Prepared for

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

2026 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT BRANCH ASH PONDS B, C, & D

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CERTIFICATION STATEMENT

This *2026 Annual Groundwater Monitoring and Corrective Action Report, Plant Branch Ash Ponds B, C, & D* 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.



Courtney L. Collins

July 31, 2026

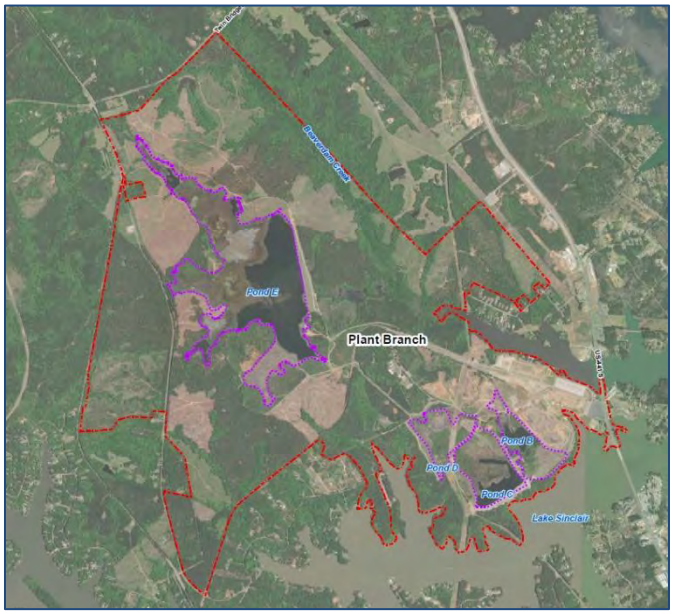
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SUMMARY

This summary of the *2026 Annual 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 June 2026 (referred herein as the "annual reporting period") at the Georgia Power Company (Georgia Power) Plant Branch Ash Ponds B, C, and D (AP-BCD) (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 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 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 Annual 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-BCD. The other CCR unit (AP-E) 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 9, 2020. During the annual reporting period, the Site remained in assessment monitoring as corrective measures are being evaluated.

Site groundwater elevation measurements were recorded at monitoring wells and piezometers prior to each 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 annual reporting period, the semiannual assessment monitoring events for AP-BCD was conducted by Atlantic Coast Consulting (ACC) in August 2025 and February 2026. In order to meet the requirements of GA EPD Rule 391-3-4-.10(6) and § 257.95 (b) and (d)(1) of the CCR Rule, these semiannual assessment monitoring events included sampling and analysis of all Appendix III and Appendix IV constituents. Groundwater samples were submitted to GEL Laboratories, LLC, for analysis. Surface water samples were submitted to Pace Analytical Services, LLC, for analysis. Per the CCR Rule, groundwater results from the 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.

Appendix III Parameter	August 2025	February 2026
Boron	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I, PZ-63I	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I, PZ-63I
Calcium	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I

[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

Chloride	BRGWC-25I, BRGWC-29I, BRGWC-44, BRGWC-45, BRGWC-52I, PZ-63I	BRGWC-25I, BRGWC-29I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-52I, PZ-63I
pH (lower limit)	BRGWC-29I	BRGWC-29I, PZ-63I
Sulfate	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I
Total Dissolved Solids (TDS)	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I	BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I
Appendix IV Parameter	**August 2025**	**February 2026**
Cobalt	PZ-63I[4]	PZ-63I[4]
Selenium	BRGWC-32S, PZ-75I	BRGWC-32S, PZ-75I

The horizontal and vertical delineation of selenium is complete. Selenium in BRGWC-32S and PZ-75I is horizontally delineated downgradient by surface water locations and is vertically delineated by adjacent wells.

Based on a review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program from July 2025 through June 2026, 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-D 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 July 22, 2025, stating their support for Georgia Power to initiate a pump test pilot study near BRGWC-32S at AP-D 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.

[4] GA EPD approved an alternate source demonstration (ASD) for cobalt in December 2024.

Geosyntec consultants

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LIST OF ACRONYMS

ACC	Atlantic Coast Consulting
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
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 *2026 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Branch (Site) Ash Ponds B, C, and D (AP-BCD) for the reporting period of July 2025 through June 2026 (referred to herein as the "annual reporting period").

Groundwater monitoring and reporting for AP-BCD 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-BCD on November 13, 2019. Statistically significant levels (SSLs) of Appendix IV parameters were identified during the initial assessment monitoring event. Georgia Power then initiated an assessment of corrective measures (ACM) program on July 9, 2020. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-BCD 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.

SSLs of cadmium, cobalt, beryllium, and lithium in the vicinity of AP-B, documented in prior semiannual and annual groundwater monitoring and corrective action reports, were attributed to the former coal pile and addressed in an alternate source demonstration (ASD) that was conditionally approved by GA EPD on December 30, 2024 (Geosyntec, 2024b; GA EPD, 2024). In accordance with the supplemental ASD workplan (Georgia

Power, 2024) and as described in the *2025 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2025b), the groundwater monitoring network was revised to remove certain wells and add additional detection monitoring wells (PZ-63I, PZ-80, and PZ-81). These wells will be used to evaluate cobalt trends and determine whether they should be added into the AP-BCD remedy selection process as part of the 5-year permit review.

Downgradient of AP-D, SSLs of selenium have been identified in BRGWC-32S and PZ-75I. A *Draft Remedy Selection Report,* which summarizes the evaluation and proposed selection of a corrective measure, or measures, for the selenium SSL at AP-D was submitted to GA EPD on February 28, 2025 (Geosyntec, 2025a). In the interim of GA EPD's review of the *Draft Remedy Selection Report,* the state agency issued a letter on July 22, 2025, stating their support for Georgia Power to initiate a pump test pilot study near BRGWC-32S at AP-D 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.

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 ponds B, C, and D (AP-BCD) are located on the southeast corner of the Plant surrounded by Lake Sinclair on the south, rural land on the north and west, and the former coal pile and Ash Pond A on the east (**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 the multi-unit AP-BCD. As previously noted, groundwater monitoring activities completed at Plant Branch's AP-E are reported separately.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-BCD as described in the *Hydrogeologic Assessment Report Revision 01 – AP-BCD* (HAR Rev 01) submitted to GA EPD in November 2020 to provide information regarding the hydrogeologic conditions and the groundwater monitoring well network at the Site (Geosyntec, 2020).

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-BCD borings is variable, ranging from approximately 10 feet to as much as 75 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-BCD 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-BCD 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-BCD ACM program. The piezometer locations are shown on the potentiometric surface maps generated for this annual reporting period (**Figures 3** and **4**, 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

As part of a pre-design investigation (PDI) to support remedial design and pump test pilot study planning, four new piezometers (PZ-75D, PZ-82I, PZ-83I, and PZ-84I) were installed in July and August 2025 to provide additional data for characterizing groundwater quality and flow conditions downgradient of AP-D. The locations of the wells are shown on **Figures 3** and **4**. A well installation report that includes detailed boring and well construction logs for the installation of the new piezometers is provided in **Appendix A** and was also submitted to GA EPD under separate cover in October 2025 (Geosyntec, 2025c).

On February 24, 2026, temporary piezometer PZ-79 was abandoned. The piezometer was installed to support geochemical characterization and remedy selection efforts at the Site and was determined to be no longer necessary. A well abandonment report was submitted to GA EPD in April 2026 (Geosyntec, 2026a). The abandonment report is provided in **Appendix A**.

On May 26, 2026, detection monitoring well BRGWA-23S was abandoned due to declining groundwater levels. The well purged dry during the last two semiannual assessment monitoring events and was replaced by adjacent well PZ-23I. PZ-23I was reclassified to upgradient detection monitoring well BRGWA-23I. The corresponding well abandonment report is provided in **Appendix A** and was submitted to GA EPD in June/July 2026 (Geosyntec, 2026b).

The well and piezometer networks are inspected semiannually to evaluate if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In August 2025 and February 2026, the networks were inspected and no corrective actions were required, as documented in **Appendix B**. This documentation was prepared under the direction of a professional geologist or engineer registered in the State of Georgia.

2.2 Assessment Monitoring

Pursuant to § 257.94(e)(3), an assessment monitoring program was initiated for AP-BCD 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. An ACM program was initiated on July 9, 2020. Georgia Power completed an ACM report (Golder, 2020) for AP-BCD at Plant Branch on December 4, 2020.

In accordance with § 257.95(g)(3)(ii), an ASD was submitted (Geosyntec, 2024b) and conditionally approved by GA EPD in December 2024 (GA EPD, 2024) to address SSLs of beryllium, cadmium, cobalt, and lithium near AP-B that were attributed to the former coal pile. Following approval, and in accordance with the supplemental ASD workplan submitted on November 15, 2024 (Georgia Power, 2024), the groundwater monitoring network was revised to remove certain wells and add new detection monitoring wells (PZ-63I, PZ-80, and PZ-81), as described in the *2025 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2025b). These three piezometers were sampled during the August 2025 and February 2026 semiannual assessment monitoring events and will continue to be monitored to evaluate cobalt trends and determine whether they should be added into the AP-BCD remedy selection process as a part of the 5-year permit review.

A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, for the selenium SSL identified in BRGWC-32S in the vicinity of AP-D was submitted on February 28, 2025 (Geosyntec, 2025a). In accordance with § 257.96(b), groundwater continues to be monitored at AP-BCD under the assessment monitoring program while the ACM phase is implemented.

In support of the ongoing groundwater compliance monitoring program, semiannual assessment monitoring events were conducted in August 2025 and February 2026. The wells sampled during these events and the dates associated with the events 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 C**. Details of the event and analytical results are discussed in Section 3.

2.3 Additional Sampling and Surface Water Sampling

Supplemental sampling was conducted during the reporting period in support of the ACM program and in continuing to evaluate the nature and extent of target constituents showing SSLs in groundwater in the vicinity of AP-BCD. Supplemental groundwater samples were collected from the monitoring well network during the February 2026 assessment monitoring event and were analyzed for major cations (calcium, magnesium, potassium, and sodium), major anions (chloride, nitrate, sulfate), and alkalinity (i.e., bicarbonate, carbonate, total) as well as iron, manganese, and sulfide. The laboratory reports associated with the data are provided in **Appendix C**.

Due to the presence of surface water features downgradient of AP-BCD, Georgia Power proactively collected surface water samples from discrete (surface, middle, and/or bottom) depths at six locations in Lake Sinclair on August 27, 2025, and February 18, 2026, as shown on **Figure 2**.

Surface water samples were collected from four locations downgradient of AP-D (LS+2, LS+2A, LS+3, LS+3A) at discrete depths (surface and middle) and analyzed for Appendix III and selenium, in addition to cations and anions. These locations are used to delineate selenium concentrations immediately downgradient of the AP-D wells identified to have SSLs of selenium (presented in Section 4). Two surface water sampling locations (LR-1, LR+10) considered to represent more general lake conditions were also sampled and analyzed for Appendix III, cobalt, and selenium.

Surface water samples are collected in accordance with USEPA Region 4 Science and Ecosystem Support Division Operating Procedures for Surface Water Sampling SESDPROC 201-R4 (USEPA, 2016). The laboratory reports associated with the August 27, 2025, and February 18, 2026, surface water sampling events are provided in **Appendix C**. Georgia Power will continue collecting the surface water samples semiannually as needed to support the nature and extent evaluation at AP-D.

2.4 Assessment of Corrective Measures

To support remedial design and pilot study planning, a PDI was conducted during the annual reporting period to characterize and refine the selenium plume extent and groundwater flow proximal to BRGWC-32S near AP-D. The PDI included collecting groundwater samples from newly installed piezometers (PZ-75D, PZ-82I, PZ-83I, and PZ-84I) during the August 2025 assessment monitoring event and analyzing for Appendix III parameters and selenium. PZ-82I and PZ-83I were resampled for selenium

in October 2025 to further evaluate the August analytical results. Piezometers PZ-18I, PZ-69I, PZ-72I, PZ-73I, PZ-75D, PZ-82I, PZ-83I, and PZ-84I were sampled during the February 2026 assessment monitoring event to evaluate the current extent of selenium in the area downgradient of AP-D and temporary interstitial piezometer PZ-79 was sampled prior to being abandoned. Laboratory reports associated with the data are provided in **Appendix C**.

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-BCD during this annual reporting period.

3.1 Groundwater Elevation Measurement

Prior to each 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-E and the proposed new CCR landfill area) and used to calculate the corresponding groundwater elevations. The calculated groundwater elevations obtained in August 2025 and February 2026 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 site-wide potentiometric surface maps for the August 2025 and February 2026 events, which are presented on **Figures 3** and **4,** respectively. The general direction of groundwater flow across AP-BCD is towards Lake Sinclair (south-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 at AP-BCD were calculated using the groundwater elevation data from the August 2025 and February 2026 events. Horizontal hydraulic gradients were calculated along the flow paths between BRGWA-23S and BRGWC-30I proximal to AP-D, and between BRGWC-47 and BRGWC-44 in vicinity of AP-B and AP-C. The supporting calculations are presented in **Table 4.** The calculated average hydraulic gradients associated with these well pairs for the annual reporting period are 0.028 feet per foot (ft/ft) and 0.011 ft/ft, respectively. The general trajectory of the flow paths used in the calculations and associated potentiometric contour lines are shown on **Figures 3** and **4**.

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.

Horizontal hydraulic conductivity (K_h) values used in flow calculations range from 1.45 to 2.80 feet per day (ft/day) and were based on slug test data presented in the 2020 *Hydrogeologic Assessment Report Revision 01* (Geosyntec, 2020) and collected subsequently. The average observed K_h estimates from each lithologic unit in which the well pairs were screened was 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-BCD 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, and accounting for the averaged hydraulic gradient calculated between well pairs for the August 2025 and February 2026 events, horizontal flow velocities were calculated as below.

The approximate horizontal flow velocities associated with AP-BCD were calculated using the following derivative of Darcy's Law. The supporting calculations for the August 2025 and February 2026 semiannual events 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 annual reporting period is approximately 0.23 ft/day, or approximately 86 feet per year (ft/year), across AP-BCD. The observed groundwater flow velocities are consistent with expected velocities in the Georgia Piedmont, are consistent with historical observations, and confirm the groundwater monitoring system as properly located to monitor the uppermost aquifer for AP-BCD 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 annual reporting period are provided in **Appendix C**.

During the August 2025 and February 2026 events, low yielding wells were encountered. Detection well BRGWA-23S and assessment well PZ-68D purged dry during each event and required sample collection on the following day due to low recharge rates, in

accordance with the field sampling plan for low yielding wells. During the February 2026 event, only a limited sample volume could be collected from BRGWA-23S during the next-day sampling effort. As a result, an additional sampling event was conducted four days later to collect radium samples. During that event, BRGWA-23S was again purged but purged dry before sufficient volume could be obtained; therefore, the radium samples were collected the following day after the well had recharged. Additionally, piezometer PZ-80 purged dry during the February 2026 event and required next-day sample collection due to low recharge rates, consistent with the field sampling plan.

3.4 Laboratory Analyses

Groundwater laboratory analyses were performed by GEL Laboratories, and surface water analyses were performed by Pace Analytical Services, LLC, (Peachtree Corners, Georgia), both of which are accredited by the National Environmental Laboratory Accreditation Program (NELAP). GEL Laboratories and Pace Analytical Services maintain a NELAP certification for the Appendix III and Appendix IV constituents and the geochemical parameters analyzed for this project. Analytical methods used for sample analysis are listed in the analytical laboratory reports included in **Appendix C**.

The groundwater results from the annual reporting period are summarized in **Table 5**. Surface water analytical results from the August 2025 and February 2026 CCR Program monitoring events are summarized in **Table 6**.

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 validated data are considered usable for meeting project objectives. The associated data validation reports are provided in **Appendix C**, along with the laboratory reports.

4.0 STATISTICAL ANALYSIS

The following section summarizes the statistical analysis of Appendix III groundwater monitoring data performed pursuant to § 257.93. In addition, pursuant to § 257.95(d)(2), Georgia Power established Groundwater Protection Standards (GWPS) for the Appendix IV constituents and completed statistical analyses of the Appendix IV groundwater monitoring data obtained during the August 2025 and February 2026 assessment monitoring events. The data were analyzed by Groundwater Stats Consulting (GSC); the reports generated from the analyses are provided in **Appendix D**.

4.1 Statistical Methods

The selected statistical method for AP-BCD 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 reports provided in **Appendix D** and summarized in Sections 4.1.1 and 4.1.2. The GWPS were finalized pursuant to § 257.95(d)(2) and presented in **Table 7**.

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 established for statistical comparison of Appendix IV constituents and are presented in **Table 7**.

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analysis of August 2025 and February 2026 data presented in **Appendix D**, 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 D**.

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

- Cobalt: PZ-63I[5]
- Selenium: BRGWC-32S and PZ-75I

[5] GA EPD approved an alternate source demonstration (ASD) for cobalt in December 2024.

4.2.2 February 2026 Data

- Cobalt: PZ-63I[5]
- Selenium: BRGWC-32S and PZ-75I

The selenium SSLs identified in BRGWC-32S and PZ-75I were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix D**). Statistically significant increasing trends of selenium were identified in BRGWC-32S and PZ-75I during this annual reporting period. Selenium concentrations in BRGWC-32S generally increased from 2019 to 2024; however, concentrations have decreased during the five most recent sampling events. Because selenium concentrations were relatively stable prior to 2019, an additional trend evaluation was performed using a truncated data set that included only data collected since 2019 (Figure I in **Appendix D**). Based on this evaluation, no statistically significant trend was identified for selenium in BRGWC-32S. Notably, during the most recent sampling event, selenium concentrations in BRGWC-32S were below the GWPS.

4.2.3 Summary of Statistical Analyses

The previous SSLs identified for the annual reporting period have remained generally consistent with the previous reporting period with no new SSLs identified.

5.0 NATURE AND EXTENT

5.1 Selenium

PDI activities during the annual reporting period focused on characterizing and refining the nature and extent of selenium in groundwater downgradient of AP-D. Results from the delineation activities indicate that selenium is horizontally and vertically delineated below the site-specific GWPS. Delineation is determined by confidence intervals (statistical analysis) prepared for the assessment well discussed below. Results of the statistical analyses are provided in **Appendix D**.

The nature and extent of selenium is delineated below the GWPS as follows:

- Selenium in BRGWC-32S: Horizontally delineated downgradient by surface water locations LS+2, LS+2A, LS+3, and LS+3A and vertically delineated by assessment well PZ-68D. During the most recent sampling event, selenium concentrations in BRGWC-32S were below the GWPS.

- Selenium in PZ-75I: Horizontally delineated downgradient by surface water locations LS+2, LS+2A, LS+3, and LS+3A. In addition, groundwater concentrations of selenium in PZ-75D are below the applicable GWPS, and statistical analysis will be completed when at least four independent samples are available.

Specific details regarding the delineation activities at AP-D are discussed in the *Draft Remedy Selection Report* that was submitted separately to GA EPD on February 28, 2025. The groundwater data from the August 2025 and February 2026 semiannual assessment monitoring events were used to generate the selenium iso-concentration maps presented on **Figures 5** and **6**, respectively.

5.2 Beryllium, Cadmium, Cobalt, and Lithium Alternate Source Demonstration

An ASD was prepared and initially submitted to GA EPD on February 28, 2024, with a revision submitted on July 5, 2024 (Geosyntec, 2024b), and a supplemental ASD workplan submitted on November 15, 2024 (Georgia Power, 2024). The ASD addresses SSLs of the beryllium, cadmium, cobalt, and lithium reported in the vicinity of AP-B and attributes these SSLs to migration from the former coal pile instead of AP-B. GA EPD approved the ASD on December 30, 2024 (GA EPD, 2024), with the use of PZ-63I, PZ-80, and PZ-81 to evaluate cobalt trends to determine whether these wells should be added

into the AP-BCD remedy selection process at the 5-year permit review. During the August 2025 and February 2026 semiannual sampling events, cobalt concentrations in PZ-80 and PZ-81 were below the GWPS.

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-BCD in accordance with the assessment monitoring program regulations of § 257.95 while ACM efforts are implemented to address SSL concentrations of selenium in BRGWC-32S and PZ-75I. 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 for AP-D was submitted to GA EPD on February 28, 2025, in lieu of the *Semiannual Remedy Selection and Design Progress Report.* The *Draft Remedy Selection Report* was submitted under separate cover to GA EPD and 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 (Golder, 2020);

iii) A risk evaluation; and

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

The *Draft Remedy Selection Report* presents hydraulic containment ("Pump and Treat") as the proposed groundwater remedy to address selenium concentrations in excess of the GWPS downgradient of AP-D, with a potential transition from this remedy to a geochemical injection remedy and/or monitored natural attenuation (MNA) to address residual selenium in a reduced plume footprint, if achieved.

In the interim of GA EPD's review of the *Draft Remedy Selection Report*, Georgia Power initiated a PDI in August 2025. The PDI included installing four piezometers (PZ-75D, PZ-82I, PZ-83I, and PZ-84I) and collecting groundwater samples to refine the selenium

plume extent downgradient of AP-D to support remedy selection and pump test planning. Groundwater sampling results are presented in **Table 5**, and selenium concentrations from the PDI wells are shown on the iso-concentration maps (**Figures 5** and **6**).

On July 22, 2025, GA EPD issued a letter supporting Georgia Power's initiation of a pilot study to facilitate further remedy design for the selenium near BRGWC-32S. A pump test is being planned to evaluate parameters needed for designing an extraction system capable of achieving hydraulic capture as part of the "Pump and Treat" proposed remedy. Should a transition to a geochemical injection remedy become favorable, further treatability studies will be evaluated at that time.

Georgia Power will submit a pilot study workplan to GA EPD that outlines the design and implementation of this pilot study to support corrective action design. Updates on 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-BCD was conducted from 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 E**. 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 following multiple requests. The findings from the 2025 well survey are consistent with the 2024 well survey (Geosyntec, 2024a).

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2026 Annual Groundwater Monitoring and Corrective Action Report* for Plant Branch AP-BCD was prepared to fulfill the requirements of the CCR Rule and GA EPD Rules of Solid Waste Management 391-3-4-.10. The groundwater flow direction and rates interpreted during the August 2025 and February 2026 monitoring events are generally consistent with historical evaluations. Statistical analysis of the groundwater monitoring data for the AP-BCD well network confirmed the SSLs of selenium in BRGWC-32S and PZ-75I above corresponding GWPS downgradient of AP-D. Based on the most current data from this reporting period, as described in Section 5, the SSL of selenium in BRGWC-32S is vertically and horizontally delineated downgradient to below the GWPS; notably, selenium concentrations were below the GWPS during the most recent sampling event. Additionally, the SSL of selenium in PZ-75I is horizontally delineated to below the GWPS. Evaluation of the vertical delineation of selenium in PZ-75I is pending the completion of four independent sampling events; however, selenium in the newly installed adjacent deeper well, PZ-75D, was below the site-specific GWPS during its first and second sampling events.

The SSL of cobalt identified near AP-B has been addressed by an ASD approved by GA EPD. Georgia Power will continue monitoring groundwater quality in immediate proximity to AP-B where impacts from the former coal pile are observed. Further evaluation of data from these locations will be assessed during the 5-year permit review for inclusion in remedy selection, if deemed necessary. In accordance with GA EPD Rule 391-3-4-.10(6) and § 257.96, the Site continues in an ACM program.

Georgia Power will continue to monitor AP-BCD groundwater under the assessment monitoring program as aspects of the ACM program are implemented to address the Appendix IV SSLs. A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, at AP-D was submitted to GA EPD on February 28, 2025. The next routine semiannual assessment monitoring event for AP-BCD is scheduled for August 2026. Progress on pilot studies will be documented as a summary in future groundwater monitoring and corrective action reports.

8.0 REFERENCES

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TABLES

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
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-23I	Detection	Upgradient	1162975.40	2557877.70	425.10	427.74	368.60	358.60	69.54	Bedrock	07/29/2016
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-15S	Detection	Downgradient	1167720.30	2554394.00	400.10	402.90	370.60	360.60	42.70	Saprolite	03/27/2014
BRGWC-16I	Detection	Downgradient	1166980.70	2554587.50	379.50	382.45	351.30	341.30	41.55	Bedrock	03/14/2014
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
BRGWC-89	Detection	Downgradient	1168810.44	2553859.07	437.84	440.96	405.12	395.12	46.24	Saprolite/PWR	05/12/2026
PZ-13S	Assessment	Downgradient	1168011.40	2555276.70	406.50	409.97	382.20	372.20	38.17	Saprolite	03/19/2014

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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-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
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-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-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

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
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-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
PZ-87	Piezometer	Downgradient	1163950.70	2553284.87	446.54	449.62	412.43	402.43	47.59	Saprolite/PWR/Bedrock	05/15/2026
PZ-88	Piezometer	Downgradient	1164196.84	2553560.52	443.77	447.15	412.73	402.73	44.82	Saprolite/PWR/Bedrock	05/15/2026

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.
(7) Following the February 2026 assessment monitoring event, BRGWA-23S was abandoned and PZ-23I was reclassified to upgradient detection well BRGWA-23I.
(8) Following the February 2026 assessment monitoring event, PZ-15S and PZ-16I were reclassified to detection wells BRGWC-15S and BRGWC-16I, respectively.
(9) Detection well BRGWC-89 and piezometers PZ-87 and PZ-88 were installed following the February 2026 assessment monitoring event.

Table 2
Groundwater Event Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

Well ID	Hydraulic Location	Well Designation	August 26 2025 - August 28 2025	August 27 2025 - August 28 2025	October 6 2025	February 17 2026 - February 18 2026	February 18 2026 - February 25 2026
			Assessment Event	PDI Sampling Event	Resample Event	PDI Sampling Event	Assessment Event
Georgia Power Company - Plant Branch - Ash Ponds B, C, and D							
BRGWA-2I	Upgradient	Detection	X				X
BRGWA-2S	Upgradient	Detection	X				X
BRGWA-5I	Upgradient	Detection	X				X
BRGWA-5S	Upgradient	Detection	X				X
BRGWA-6S	Upgradient	Detection	X				X
BRGWA-23S	Upgradient	Detection	X				X
BRGWC-25I	Downgradient	Detection	X				X
BRGWC-27I	Downgradient	Detection	X				X
BRGWC-29I	Downgradient	Detection	X				X
BRGWC-30I	Downgradient	Detection	X				X
BRGWC-32S	Downgradient	Detection	X				X
BRGWC-44	Downgradient	Detection	X				X
BRGWC-45	Downgradient	Detection	X				X
BRGWC-47	Downgradient	Detection	X				X
BRGWC-52I	Downgradient	Detection	X				X
PZ-63I	Downgradient	Detection	X				X
PZ-80	Downgradient	Detection	X				X
PZ-81	Downgradient	Detection	X				X
PZ-68D	Downgradient	Assessment	X				X
PZ-74I	Downgradient	Assessment	X				X
PZ-75I	Downgradient	Assessment	X				X
PZ-18I	Downgradient	Piezometer				X	
PZ-69I	Downgradient	Piezometer				X	
PZ-72I	Downgradient	Piezometer				X	
PZ-73I	Downgradient	Piezometer				X	
PZ-75D	Downgradient	Piezometer		X		X	
PZ-82I	Downgradient	Piezometer		X	X	X	
PZ-83I	Downgradient	Piezometer		X	X	X	
PZ-84I	Downgradient	Piezometer		X		X	
PZ-79	Interstitial	Interstitial				X	

Notes:
X = Indicates well sampled during event
PDI = Pre-design investigation
(1) Detection monitoring well BRGWA-23S and interstitial well PZ-79 were abandoned in May 2026 and February 2026, respectively.

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

		August 2025		February 2026	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
AP-BCD Detection Monitoring Well Network					
BRGWA-2I	443.14	10.82	432.32	12.62	430.52
BRGWA-2S	443.20	10.93	432.27	12.78	430.42
BRGWA-5I	443.79	13.40	430.39	14.80	428.99
BRGWA-5S	443.86	13.57	430.29	15.00	428.86
BRGWA-6S	458.96	26.61	432.35	30.44	428.52
BRGWA-23I	427.74	41.77	385.97	41.94	385.80
BRGWA-23S	428.24	42.38	385.86	42.55	385.69
BRGWC-25I	357.37	11.88	345.49	12.85	344.52
BRGWC-27I	366.86	11.56	355.30	13.43	353.43
BRGWC-29I	353.23	10.80	342.43	11.37	341.86
BRGWC-30I	352.61	5.05	347.56	5.29	347.32
BRGWC-32S	406.39	40.92	365.47	41.26	365.13
BRGWC-44	383.04	29.46	353.58	31.67	351.37
BRGWC-45	384.58	14.85	369.73	16.92	367.66
BRGWC-47	411.20	30.80	380.40	32.20	379.00
BRGWC-52I	383.87	40.43	343.44	41.12	342.75
PZ-63I	381.31	39.84	341.47	40.35	340.96
PZ-80	382.24	34.20	348.04	35.50	346.74
PZ-81	381.86	39.06	342.80	39.76	342.10
AP-E Detection Monitoring Well Network					
BRGWA-2I	443.14	10.82	432.32	12.62	430.52
BRGWA-2S	443.20	10.93	432.27	12.78	430.42
BRGWA-5I	443.79	13.40	430.39	14.80	428.99
BRGWA-5S	443.86	13.57	430.29	15.00	428.86
BRGWA-6S	458.96	26.61	432.35	30.44	428.52
BRGWC-15S	402.90	11.42	391.48	11.61	391.29
BRGWC-16I	382.45	11.27	371.18	11.96	370.49
BRGWC-17S	365.32	5.40	359.92	5.20	360.12
BRGWC-33S	416.68	12.16	404.52	13.63	403.05
BRGWC-34S	391.96	3.17	388.79	3.43	388.53
BRGWC-35S	366.31	0.22	366.09	0.52	365.79
BRGWC-36S	389.84	5.78	384.06	6.44	383.40
BRGWC-37S	447.05	57.86	389.19	58.42	388.63
BRGWC-38S	432.24	25.54	406.70	27.00	405.24
AP-BCD Assessment Monitoring Well Network					
PZ-68D	405.25	41.38	363.87	42.04	363.21
PZ-74I	371.13	28.20	342.93	29.10	342.03
PZ-75I	357.86	17.49	340.37	17.74	340.12
AP-E Assessment Monitoring Well Network					
PZ-13S	409.97	30.43	379.54	32.19	377.78
PZ-52D	417.03	23.41	393.62	28.60	388.43
PZ-53D	434.68	26.70	407.98	27.93	406.75
PZ-70I	425.70	32.23	393.47	32.20	393.50
Piezometers					
PZ-1I	464.71	45.61	419.10	46.48	418.23
PZ-1D	463.41	43.82	419.59	44.65	418.76
PZ-1S	465.07	44.02	421.05	44.88	420.19
PZ-3D	487.50	49.95	437.55	48.60	438.90
PZ-3I	489.49	51.98	437.51	50.60	438.89
PZ-3S	490.53	--		--	
PZ-4I	482.98	34.19	448.79	34.67	448.31
PZ-4S	482.87	--		--	

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

		August 2025		February 2026	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
PZ-7S	451.57	27.92	423.65	30.55	421.02
PZ-8S	453.08	26.64	426.44	28.38	424.70
PZ-9S	469.28	39.44	429.84	39.87	429.41
PZ-10S	433.85	30.04	403.81	31.25	402.60
PZ-14I	422.71	24.01	398.70	24.30	398.41
PZ-14S	423.31	25.55	397.76	26.68	396.63
PZ-15I	403.06	11.14	391.92	11.37	391.69
PZ-16S	382.52	11.43	371.09	12.10	370.42
PZ-17I	365.33	2.51	362.82	2.52	362.81
PZ-18I	362.55	20.57	341.98	21.44	341.11
PZ-18S	362.82	20.74	342.08	21.61	341.21
PZ-19I	371.74	17.64	354.10	20.04	351.70
PZ-19S	371.42	17.17	354.25	19.51	351.91
PZ-20I	365.34	17.22	348.12	18.10	347.24
PZ-20S	365.41	17.35	348.06	--	
PZ-21I	358.92	13.43	345.49	14.32	344.60
PZ-21S	358.52	--		--	
PZ-24S	354.10	13.43	340.67	14.78	339.32
PZ-26I	370.63	25.45	345.18	26.49	344.14
PZ-28I	364.81	16.70	348.11	17.55	347.26
PZ-31S	376.77	28.11	348.66	29.32	347.45
PZ-40S	355.96	15.82	340.14	16.66	339.30
PZ-41S	357.17	16.44	340.73	17.87	339.30
PZ-42S	361.66	19.97	341.69	21.77	339.89
PZ-46	384.64	11.70	372.94	13.55	371.09
PZ-48	420.90	36.61	384.29	37.33	383.57
PZ-49	384.99	8.90	376.09	9.82	375.17
PZ-54	443.86	53.27	390.59	--	
PZ-55	453.07	50.28	402.79	49.95	403.12
PZ-56	418.84	6.14	412.70	7.45	411.39
PZ-69I	379.36	22.45	356.91	22.75	356.61
PZ-71I	385.34	34.33	351.01	34.22	351.12
PZ-72I	368.57	25.65	342.92	25.72	342.85
PZ-73I	352.63	7.45	345.18	7.78	344.85
PZ-75D	357.87	17.23	340.64	17.58	340.29
PZ-82I	383.72	34.13	349.59	34.19	349.53
PZ-83I	356.28	15.76	340.52	16.27	340.01
PZ-84I	352.77	13.30	339.47	13.74	339.03

Notes:
-- = Dry well, depth to water not measured
(1) NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
(2) Following the February 2026 assessment sampling event, BRGWA-23S was abandoned and PZ-23I was reclassified to upgradient detection well BRGWA-23I.

Table 4
Horizontal Gradient and Flow Velocity Calculations
Georgia Power Company
Plant Branch - Ash Ponds B, C and D
Putnam County, GA

Gauging Event	Well Pair	Groundwater Elevations in Well Pairs (ft)		Change in Elevation (ft)	Distance Between Well 1 and Well 2 (L) (ft)	Hydraulic Gradient (ft/ft)	Average Hydraulic Conductivity (K_h) (ft/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (V) (ft/day)	Calculated Groundwater Flow Velocity (V) (ft/year)	Average Hydraulic Gradient (i) (ft/ft)	Average Groundwater Flow Velocity (V) (ft/day)	Overall Average Groundwater Flow Velocity (V) (ft/day)	Overall Average Groundwater Flow Velocity (V) (ft/year)
August 2025	BRGWA-23S to BRGWC-30I	385.86	347.56	38.30	1399	0.027	2.80	0.20	0.38	140	0.028	0.39	0.23	86
February 2026	BRGWA-23S to BRGWC-30I	385.69	347.32	38.37	1377	0.028	2.80	0.20	0.39	142				
August 2025	BRGWC-47 to BRGWC-44	380.40	353.58	26.82	2368	0.011	1.45	0.20	0.082	30	0.011	0.083		
February 2026	BRGWC-47 to BRGWC-44	379.00	351.37	27.63	2398	0.012	1.45	0.20	0.084	30				

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. See Figures 3 and 4 for illustrated flow paths.
(2) Elevations shown are referenced to datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

	Sample Location	BRGWA-2I	BRGWA-2I	BRGWA-2S	BRGWA-2S	BRGWA-5I	BRGWA-5I	BRGWA-5S	BRGWA-5S	BRGWA-6S	BRGWA-6S	BRGWA-23S	BRGWA-23S	BRGWA-23S
	Sample Date	08/26/2025	02/18/2026	08/26/2025	02/18/2026	08/26/2025	02/18/2026	08/26/2025	02/18/2026	08/26/2025	02/18/2026	08/27/2025	02/19/2026	02/24/2026
ANALYTE	**UNITS**													
APPENDIX III														
Boron	mg/L	0.00739 J	0.00969 J	0.00735 J	0.00878 J	0.00700 J	0.00988 J	0.00822 J	0.00907 J	0.00675 J	0.00922 J	0.0257	0.0309	NA
Calcium	mg/L	12.8	12.1	5.53	5.56	16.7	16.1	16.3	16.0	4.20	4.26	7.25	7.28	NA
Chloride	mg/L	2.10	2.04	2.05	2.08	4.00	4.04	3.34	3.51	2.21	2.21	2.13	2.04	NA
Fluoride	mg/L	0.0368 J	0.0548 J	0.0487 J	0.0500 J	< 0.0330	0.0374 J	0.0557 J	0.0570 J	0.0343 J	0.0460 J	0.0836 J	< 0.0330	NA
pH, Field	SU	6.39	6.30	5.79	5.63	6.42	6.17	6.43	6.31	6.47	6.38	6.00	6.04	5.85
Sulfate	mg/L	2.90	2.74	0.435	0.387 J	3.13	2.95	0.585	0.629	0.485	0.330 J	11.5	21.7	NA
TDS	mg/L	89.0	98.0	76.0	68.0	123	112	115	108	48.0	51.0	107	99.0	NA
APPENDIX IV														
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	NA
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	NA
Barium	mg/L	0.00508	0.00386 J	0.0133	0.0135	0.0282	0.0279	0.0335	0.0318	0.0155	0.0151	0.0540	0.0492	NA
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Chromium	mg/L	0.00517 J	0.00473 J	0.00823 J	0.00742 J	0.00456 J	0.00414 J	0.00800 J	0.00776 J	0.0130	0.0129	< 0.00300	0.00529 J	NA
Cobalt	mg/L	0.00132	0.000755 J	0.000842 J	0.00128	0.000853 J	0.000440 J	< 0.000300	< 0.000300	0.000481 J	< 0.000300	< 0.000300	< 0.000300	NA
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	NA
Lithium	mg/L	0.00708 J	0.00509 J	< 0.00300	< 0.00300	0.00690 J	0.00628 J	< 0.00300	< 0.00300	0.00358 J	0.00346 J	0.0102	0.0110	NA
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	NA
Molybdenum	mg/L	0.000324 J	0.000357 J	< 0.000200	< 0.000200	0.00106	0.00112	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000415 J	0.000512 J	NA
Combined Radium 226 + 228	pCi/L	5.90	3.46	2.04 U	2.80	2.27	4.90	3.65	2.32	2.13	1.76 U	3.86	NA	3.80
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	NA
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA
Fluoride	mg/L	0.0368 J	0.0548 J	0.0487 J	0.0500 J	< 0.0330	0.0374 J	0.0557 J	0.0570 J	0.0343 J	0.0460 J	0.0836 J	< 0.0330	NA
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	NA	62.5	NA	37.3	NA	82.9	NA	78.0	NA	27.8	NA	27.1	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	< 0.725	NA	< 0.806	NA	< 0.725	NA	< 0.725	NA	< 0.725	NA	< 0.806	NA
Total Alkalinity as CaCO3	mg/L	NA	62.5	NA	37.3	NA	82.9	NA	78.0	NA	27.8	NA	27.1	NA
Iron	mg/L	NA	0.0827 J	NA	0.0510 J	NA	< 0.0330	NA	0.0934 J	NA	0.0958 J	NA	0.234	NA
Magnesium	mg/L	NA	7.33	NA	5.60	NA	9.79	NA	8.35	NA	4.28	NA	3.80	NA
Manganese	mg/L	NA	0.0109	NA	0.0505	NA	0.00385 J	NA	0.0138	NA	0.00474 J	NA	0.00662	NA
Potassium	mg/L	NA	1.97	NA	0.467	NA	1.72	NA	0.603	NA	0.679	NA	2.60	NA
Sodium	mg/L	NA	5.01	NA	3.62	NA	4.95	NA	5.32	NA	2.51	NA	9.57	NA

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

	Sample Location	BRGWC-25I	BRGWC-25I	BRGWC-27I	BRGWC-27I	BRGWC-29I	BRGWC-29I	BRGWC-30I	BRGWC-30I	BRGWC-32S	BRGWC-32S	BRGWC-44	BRGWC-44	BRGWC-45
	Sample Date	08/28/2025	02/19/2026	08/26/2025	02/19/2026	08/26/2025	02/19/2026	08/27/2025	02/19/2026	08/26/2025	02/19/2026	08/27/2025	02/19/2026	08/26/2025
ANALYTE	UNITS													
APPENDIX III														
Boron	mg/L	1.65	1.48	1.17	0.951	1.04	1.02	1.75	1.68	0.833	0.735	0.980	0.966	0.0598
Calcium	mg/L	74.7	59.7	56.5	54.0	84.6	94.0	493	485	31.0	31.5	26.7	25.8	67.0
Chloride	mg/L	13.3	7.39	3.10	2.57	8.60	9.33	2.76	2.60	4.04	9.64	6.58	6.80	18.3
Fluoride	mg/L	0.247	0.261	0.186	0.147	0.109	0.0975 J	0.149	0.150	0.0564 J	< 0.0330	0.107	< 0.0330	0.0663 J
pH, Field	SU	6.34	6.19	5.79	5.75	4.52	4.31	6.30	6.41	6.14	5.87	5.95	6.03	5.80
Sulfate	mg/L	201	131	146	137	309	326	1290	1290	166	143	42.0	43.0	277
TDS	mg/L	443	338	275	264	503	508	2200	2100	309	284	176	169	527
APPENDIX IV														
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 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	0.00273 J	< 0.00200	0.00408 J	0.00322 J	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0292	0.0224	0.0255	0.0225	0.0159	0.0155	0.0343	0.0300	0.0185	0.0190	0.0561	0.0531	0.0676
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000999	0.000917	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00338	0.00236	0.00291	0.00169	0.00587	0.00516	0.00236	0.00234	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.00193
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	0.0314	0.0384	0.00383 J	0.00489 J	0.0154	0.00546 J	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.00143	0.00115	0.000512 J	< 0.000200	< 0.000200	< 0.000200	0.00119	0.00108	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Combined Radium 226 + 228	pCi/L	3.62	0.661 U	3.96	2.80	5.92	3.14	5.84	4.12	2.77	2.96	4.96	3.10	3.39
Selenium	mg/L	< 0.00150	< 0.00150	0.00256 J	< 0.00150	0.00465 J	0.00195 J	< 0.00150	< 0.00150	0.0694	0.0446	< 0.00150	< 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	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Fluoride	mg/L	0.247	0.261	0.186	0.147	0.109	0.0975 J	0.149	0.150	0.0564 J	< 0.0330	0.107	< 0.0330	0.0663 J
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	NA	122	NA	49.8	NA	< 0.725	NA	137	NA	41.0	NA	75.0	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	< 0.725	NA	< 0.725	NA	< 0.725	NA	< 0.725	NA	< 0.725	NA	< 0.725	NA
Total Alkalinity as CaCO3	mg/L	NA	122	NA	49.8	NA	< 0.725	NA	137	NA	41.0	NA	75.0	NA
Iron	mg/L	NA	< 0.0330	NA	< 0.0330	NA	13.4	NA	0.459	NA	< 0.0330	NA	0.0400 J	NA
Magnesium	mg/L	NA	20.8	NA	6.74	NA	10.4	NA	70.7	NA	20.6	NA	10.9	NA
Manganese	mg/L	NA	1.58	NA	0.109	NA	1.18	NA	2.40	NA	0.00177 J	NA	0.474	NA
Potassium	mg/L	NA	4.30	NA	5.41	NA	9.46	NA	6.18	NA	2.03	NA	2.75	NA
Sodium	mg/L	NA	22.2	NA	16.6	NA	20.0	NA	33.4	NA	24.3	NA	12.9	NA

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

	Sample Location	BRGWC-45	BRGWC-47	BRGWC-47	BRGWC-52I	BRGWC-52I	PZ-63I	PZ-63I	PZ-80	PZ-80	PZ-81	PZ-81	PZ-68D	PZ-68D
	Sample Date	02/19/2026	08/26/2025	02/19/2026	08/27/2025	02/19/2026	08/27/2025	02/18/2026	08/28/2025	02/25/2026	08/27/2025	02/24/2026	08/27/2025	02/24/2026
ANALYTE	UNITS													
APPENDIX III														
Boron	mg/L	0.0523	0.647	0.588	1.42	1.46	0.611	0.598	0.0262	0.0149 J	0.108	0.116	0.326	0.375
Calcium	mg/L	109	304	321	42.5	43.4	77.3	88.9	24.1	15.8	53.7	56.8	95.2	109
Chloride	mg/L	13.0	4.88	4.54	6.96	7.32	8.33	9.30	4.61	4.73	7.56	6.83	15.1	15.4
Fluoride	mg/L	< 0.0330	0.0971 J	0.0603 J	0.0985 J	< 0.0330	0.141	0.167	0.280	0.205	0.0961 J	0.151	0.114	0.141
pH, Field	SU	5.80	5.79	5.62	6.19	6.10	5.57	5.29	6.78	6.34	5.80	5.57	7.37	7.05
Sulfate	mg/L	443	1220	1210	150	154	436	451	29.3	30.7	301	293	288	306
TDS	mg/L	761	1940	1890	308	321	712	763	270	217	501	492	591	614
APPENDIX IV														
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 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	0.00260 J	< 0.00200	< 0.00200	< 0.00200	< 0.00200	< 0.00200	0.00234 J	0.00213 J	< 0.00200	0.00211 J	< 0.00200
Barium	mg/L	0.0645	0.0280	0.0262	0.0557	0.0520	0.0210	0.0209	0.0137	0.0199	0.0390	0.0301	0.0959	0.0952
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000351 J	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00249	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.0408	0.0433	0.000848 J	0.00396	0.00970	0.00780	0.000600 J	< 0.000300
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	0.00368 J	0.0469	0.0545	0.0154	0.0148	0.00692 J	0.00776 J	< 0.00300	< 0.00300	< 0.00300	< 0.00300	0.00448 J	0.00317 J
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000221 J	0.000245 J	0.000256 J	0.000863 J	0.000972 J	0.000704 J	0.000864 J	0.00262	0.00122	0.000299 J	0.000395 J	0.00499	0.00618
Combined Radium 226 + 228	pCi/L	1.98	4.34	1.89	9.43	7.93	3.38	2.91	3.61	2.81	2.07	5.08	2.12	7.61
Selenium	mg/L	< 0.00150	0.00175 J	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 0.00150	< 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	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Fluoride	mg/L	< 0.0330	0.0971 J	0.0603 J	0.0985 J	< 0.0330	0.141	0.167	0.280	0.205	0.0961 J	0.151	0.114	0.141
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	38.0	NA	28.0	NA	67.6	NA	23.9	NA	136	NA	47.4	NA	115
Carbonate Alkalinity as CaCO3	mg/L	< 0.725	NA	< 0.725	NA	< 0.806	NA	< 0.725	NA	< 0.725	NA	< 0.806	NA	< 0.725
Total Alkalinity as CaCO3	mg/L	38.0	NA	28.0	NA	67.6	NA	23.9	NA	136	NA	47.4	NA	115
Iron	mg/L	0.0493 J	NA	0.0615 J	NA	0.605	NA	0.523	NA	0.299	NA	0.926	NA	0.220
Magnesium	mg/L	56.7	NA	119	NA	20.2	NA	58.7	NA	7.42	NA	44.0	NA	24.8
Manganese	mg/L	0.192	NA	0.00706	NA	0.538	NA	9.92	NA	2.36	NA	7.12	NA	0.159
Potassium	mg/L	4.34	NA	12.4	NA	4.97	NA	9.27	NA	1.41	NA	6.89	NA	13.6
Sodium	mg/L	24.3	NA	44.5	NA	20.5	NA	22.9	NA	58.0	NA	25.6	NA	63.2

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

	Sample Location	PZ-74I	PZ-74I	PZ-75I	PZ-75I	PZ-18I	PZ-69I	PZ-72I	PZ-73I	PZ-75D	PZ-75D	PZ-82I	PZ-82I	PZ-82I
	Sample Date	08/27/2025	02/19/2026	08/27/2025	02/19/2026	02/17/2026	02/18/2026	02/17/2026	02/17/2026	08/27/2025	02/18/2026	08/28/2025	10/06/2025	02/18/2026
ANALYTE	UNITS													
APPENDIX III														
Boron	mg/L	1.16	1.18	1.30	1.28	1.50	1.26	1.15	1.66	0.0326	0.0409	1.37	NA	1.25
Calcium	mg/L	59.2	62.5	51.6	52.5	111	53.5	51.2	67.5	44.2	57.3	72.8	NA	69.8
Chloride	mg/L	11.6	14.3	6.47	6.42	6.06	6.55	13.2	6.23	3.53	3.16	5.97	NA	5.66
Fluoride	mg/L	0.0901 J	0.109	0.0660 J	< 0.0330	0.103	0.0776 J	0.120	0.0565 J	0.614	0.539	0.101	NA	0.0854 J
pH, Field	SU	6.01	6.03	5.77	5.68	5.84	5.79	5.76	5.57	7.86	7.64	6.25	6.30	6.03
Sulfate	mg/L	252	230	263	258	502	199	235	291	25.8	52.1	276	NA	270
TDS	mg/L	472	450	496	464	817	384	412	464	232	265	520	NA	487
APPENDIX IV														
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/L	0.0235	0.0204	0.0297	0.0273	NA	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lithium	mg/L	0.00759 J	0.00849 J	0.00373 J	0.00465 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA	NA	NA	NA	NA	NA	NA	NA	NA
Combined Radium 226 + 228	pCi/L	1.68 U	2.72	1.63 U	2.34	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/L	0.0696	0.0790	0.128	0.137	< 0.00150	0.183	0.0950	< 0.00150	< 0.00150	< 0.00150	0.0792	0.105	0.136
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	mg/L	0.0901 J	0.109	0.0660 J	< 0.0330	0.103	0.0776 J	0.120	0.0565 J	0.614	0.539	0.101	NA	0.0854 J
Additional Parameters														
Bicarbonate Alkalinity as CaCO3	mg/L	NA	48.5	NA	36.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	< 0.725	NA	< 0.725	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Alkalinity as CaCO3	mg/L	NA	48.5	NA	36.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	0.0428 J	NA	0.0784 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	34.8	NA	38.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	0.00215 J	NA	0.00568	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	3.09	NA	3.72	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	26.6	NA	28.3	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

	Sample Location	PZ-83I	PZ-83I	PZ-83I	PZ-84I	PZ-84I	PZ-79
	Sample Date	08/27/2025	10/06/2025	02/17/2026	08/27/2025	02/18/2026	02/18/2026
ANALYTE	UNITS						
APPENDIX III							
Boron	mg/L	1.61	NA	1.58	1.57	1.51	2.16
Calcium	mg/L	82.7	NA	82.9	88.1	90.5	230
Chloride	mg/L	6.01	NA	6.63	6.09	5.88	8.84
Fluoride	mg/L	0.112	NA	0.0847 J	0.130	0.0832 J	2.57
pH, Field	SU	6.08	5.98	6.16	6.11	5.75	7.68
Sulfate	mg/L	417	NA	424	355	372	706
TDS	mg/L	751	NA	691	666	646	1250
APPENDIX IV							
Antimony	mg/L	NA	NA	NA	NA	NA	NA
Arsenic	mg/L	NA	NA	NA	NA	NA	NA
Barium	mg/L	NA	NA	NA	NA	NA	NA
Beryllium	mg/L	NA	NA	NA	NA	NA	NA
Cadmium	mg/L	NA	NA	NA	NA	NA	NA
Chromium	mg/L	NA	NA	NA	NA	NA	NA
Cobalt	mg/L	NA	NA	NA	NA	NA	NA
Lead	mg/L	NA	NA	NA	NA	NA	NA
Lithium	mg/L	NA	NA	NA	NA	NA	NA
Mercury	mg/L	NA	NA	NA	NA	NA	NA
Molybdenum	mg/L	NA	NA	NA	NA	NA	NA
Combined Radium 226 + 228	pCi/L	NA	NA	NA	NA	NA	NA
Selenium	mg/L	0.0512	0.0571	0.0720	0.00512	0.0465	0.00916
Thallium	mg/L	NA	NA	NA	NA	NA	NA
Fluoride	mg/L	0.112	NA	0.0847 J	0.130	0.0832 J	2.57
Additional Parameters							
Bicarbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA
Carbonate Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA
Total Alkalinity as CaCO3	mg/L	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	NA	NA	NA	NA	NA
Manganese	mg/L	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	NA	NA	NA	NA	NA
Sodium	mg/L	NA	NA	NA	NA	NA	NA

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
Surface Water Analytical Data Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

Sample Location		LR-1 (bottom)	LR-1 (bottom)	LR-1 (mid)	LR-1 (mid)	LR-1 (surface)	LR-1 (surface)	LR+2(mid)	LR+2(surface)	LR+2A(mid)	LR+2A(surface)	LS+3(mid)
Sample Date		08/27/2025	02/18/2026	08/27/2025	02/18/2026	08/27/2025	02/18/2026	02/18/2026	02/18/2026	02/18/2026	02/18/2026	08/27/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	< 0.050	< 0.040	< 0.050	< 0.040	< 0.050	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.050
Calcium	mg/L	< 5.0	6.0	5.0	5.9	5.1	5.9	5.8	6.1	6.1	5.9	< 5.0
Chloride	mg/L	3.1	4.5	3.1	4.5	3.1	4.5	4.5	4.5	4.5	4.5	3.2
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
pH, Field	SU	6.96	7.48	7.01	7.51	7.03	7.52	7.39	7.52	7.58	7.58	7.11
Sulfate	mg/L	1.9	2.5	1.9	2.5	1.9	2.6	3.2	3.3	3.0	3.2	2.4
TDS	mg/L	50.0	54.0	48.0	64.0	47.0	62.0	63.0	63.0	56.0	63.0	45.0
APPENDIX IV												
Cobalt	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	NA	NA	NA	NA
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Selenium	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Additional Parameters												
Alkalinity Total as CaCO3	mg/L	NA	34.4	NA	34.2	NA	34.3	34.7	34.8	34.4	33.8	NA
Bicarbonate Alkalinity as CaCO3	mg/L	NA	34.4	NA	34.2	NA	34.3	34.7	34.8	34.4	33.8	NA
Magnesium	mg/L	NA	2.7	NA	2.7	NA	2.7	2.7	2.6	2.7	2.7	NA
Potassium	mg/L	NA	2.4	NA	2.5	NA	2.4	2.3	2.4	2.5	2.6	NA
Sodium	mg/L	NA	6.0	NA	6.1	NA	6.0	5.9	5.7	6.0	6.1	NA

Table 6
Surface Water Analytical Data Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

Sample Location		LS+3(mid)	LS+3(surface)	LS+3(surface)	LS+3A(surface)	LS+3A(surface)	LR+10 (bottom)	LR+10 (bottom)	LR+10 (mid)	LR+10 (mid)	LR+10 (surface)	LR+10 (surface)
Sample Date		02/18/2026	08/27/2025	02/18/2026	08/27/2025	02/18/2026	08/27/2025	02/18/2026	08/27/2025	02/18/2026	08/27/2025	02/18/2026
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	< 0.040	< 0.050	< 0.040	< 0.050	< 0.040	< 0.050	< 0.040	< 0.050	< 0.040	< 0.050	< 0.040
Calcium	mg/L	6.0	5.0	6.1	< 5.0	6.3	< 5.0	5.9	< 5.0	5.8	< 5.0	5.9
Chloride	mg/L	4.5	3.2	4.5	3.2	4.5	3.3	6.7	3.3	13.4	3.4	4.8
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
pH, Field	SU	7.44	7.13	7.50	7.24	7.54	6.99	6.79	6.90	6.82	7.01	6.85
Sulfate	mg/L	3.2	2.4	3.2	2.3	3.4	2.1	3.7	2.1	4.5	2.2	3.3
TDS	mg/L	60.0	52.0	57.0	43.0	57.0	40.0	62.0	53.0	100	40.0	57.0
APPENDIX IV												
Cobalt	mg/L	NA	NA	NA	NA	NA	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Fluoride	mg/L	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Selenium	mg/L	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Additional Parameters												
Alkalinity Total as CaCO3	mg/L	34.3	NA	34.7	NA	35.0	NA	28.5	NA	28.4	NA	29.0
Bicarbonate Alkalinity as CaCO3	mg/L	34.3	NA	34.7	NA	35.0	NA	28.5	NA	28.4	NA	29.0
Magnesium	mg/L	2.7	NA	2.8	NA	2.8	NA	2.6	NA	3.0	NA	2.4
Potassium	mg/L	2.6	NA	2.6	NA	2.6	NA	3.2	NA	3.3	NA	3.1
Sodium	mg/L	6.1	NA	6.3	NA	6.2	NA	7.9	NA	11.9	NA	6.4

Notes:
mg/L = milligrams per liter
SU = Standard Units
NA = Indicates not analyzed
< = Indicates the substance was not detected above the reporting limit (RL). The value displayed is the RL.

Table 7
Summary of Background Concentrations and Groundwater Protection Standards
Georgia Power Company
Plant Branch - Ash Ponds B, C, and D
Putnam County, GA

Analyte	Units	MCL	CCR-Rule Specified	Background		GWPS
				August 2025	February 2026	
Antimony	mg/L	0.006		0.025	0.025	0.006
Arsenic	mg/L	0.01		0.005	0.005	0.01
Barium	mg/L	2		0.13	0.13	2
Beryllium	mg/L	0.004		0.0005	0.0005	0.004
Cadmium	mg/L	0.005		0.001	0.001	0.005
Chromium	mg/L	0.1		0.016	0.016	0.1
Cobalt	mg/L		0.006	0.014	0.014	0.014
Combined Radium 226 + 228	pCi/L	5		2.66	2.9	5
Fluoride	mg/L	4		0.42	0.42	4
Lead	mg/L		0.015	0.002	0.002	0.015
Lithium	mg/L		0.04	0.089	0.089	0.089
Mercury	mg/L	0.002		0.00021	0.00021	0.002
Molybdenum	mg/L		0.1	0.008	0.008	0.1
Selenium	mg/L	0.05		0.006	0.006	0.05
Thallium	mg/L	0.002		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, January 2026.

0 2,000 4,000
Scale in Feet

SITE LOCATION MAP

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

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | JULY 2026

FIGURE 1



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Surface Water Sample Point
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary

Notes:
1. Piezometer PZ-23I was renamed BRGWA-23I, and reclassified as a Detection Monitoring Well following the February 2026 semiannual monitoring event.
2. Detection Monitoring Well BRGWA-23S was abandoned May 2026.
3. Property boundary provided by Southern Company Services.
4. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, January 2026.

0 1,500 3,000
Scale in Feet

MONITORING WELL NETWORK AND SURFACE WATER LOCATION MAP

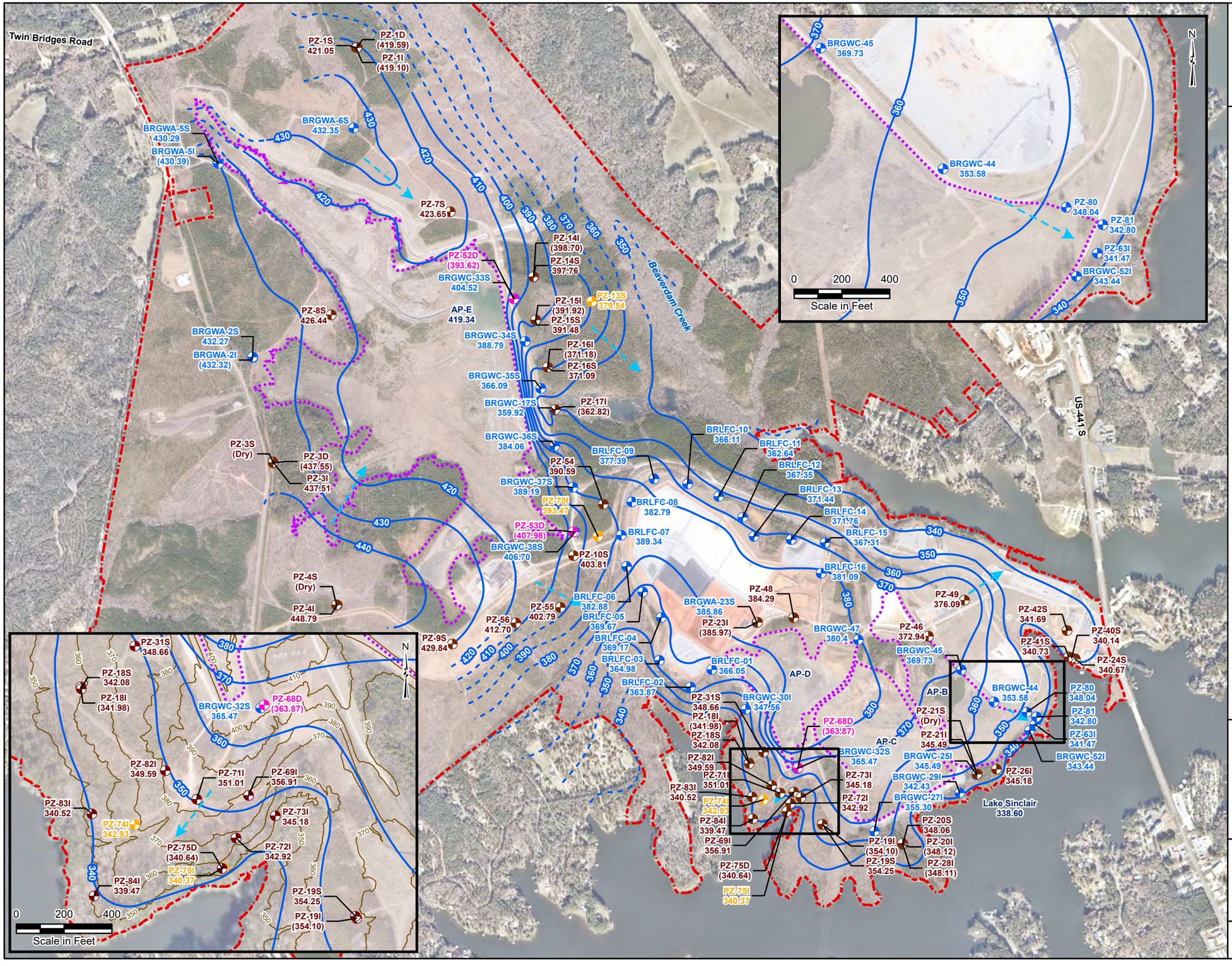
GEORGIA POWER COMPANY
PLANT BRANCH AP-BCD
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 2



LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Groundwater Elevation Iso-Contour (dashed where inferred)
- Approximate Groundwater Flow Direction
- Topographic Elevation Contour (10ft NAVD 88)
- 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, January 2026.

0 1,500 3,000
Scale in Feet

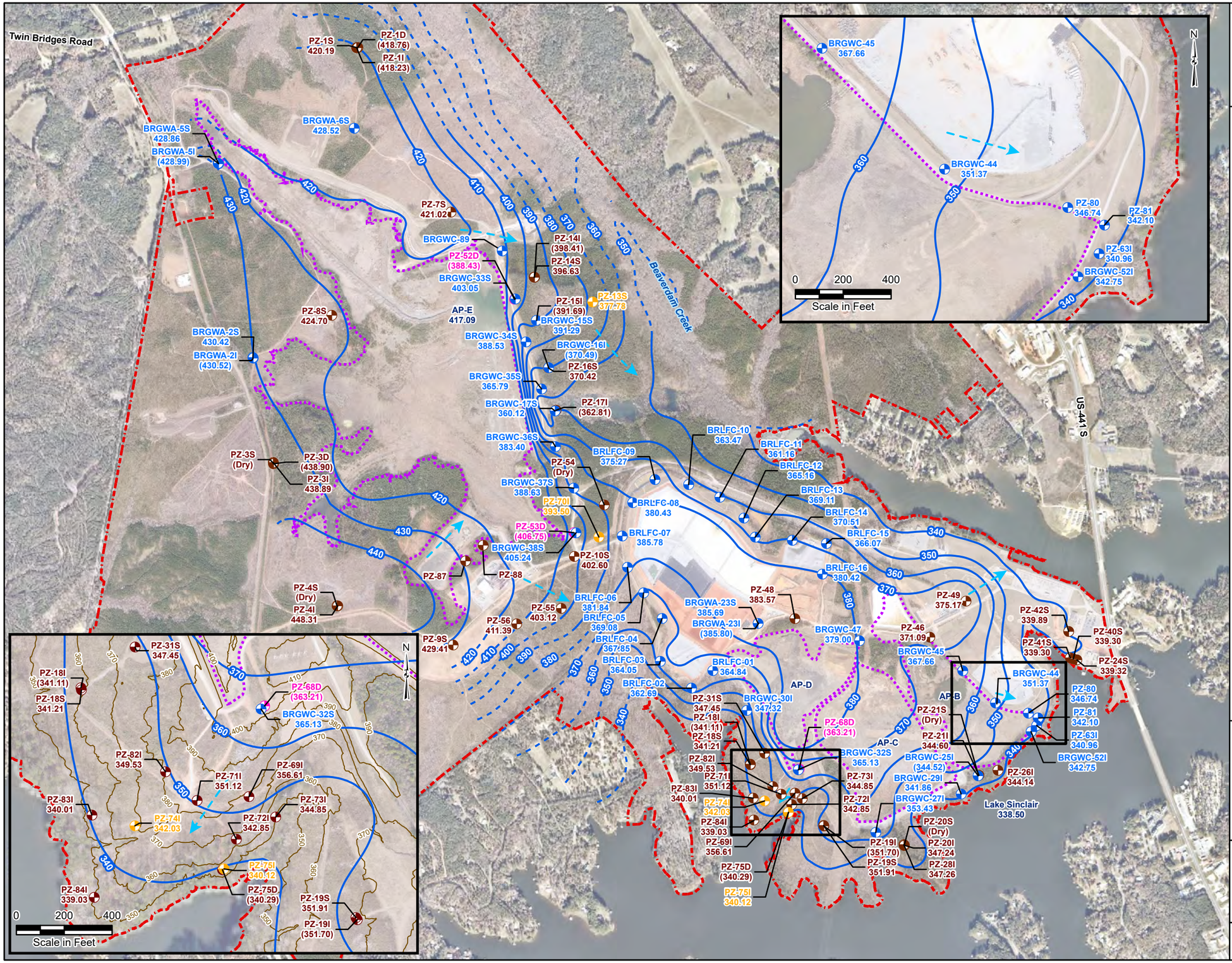
POTENTIOMETRIC SURFACE CONTOUR MAP - AUGUST 2025

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

Prepared For: Georgia Power
Prepared By: Geosyntec consultants

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FIGURE 3



N

LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Groundwater Elevation Iso-Contour (dashed where inferred)
- Approximate Groundwater Flow Direction
- Topographic Elevation Contour (10ft NAVD 88)
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary

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

Notes:
1. Water level elevation recorded on February 16, 2026, 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. Piezometers PZ-15S, PZ-16I, and PZ-23I were renamed BRGWC-15S, BRGWC-16I, and BRGWA-23I, respectively, and reclassified as Detection Monitoring Wells following the February 2026 semiannual monitoring event.
6. Detection Monitoring Well BRGWC-89 and Piezometers PZ-87 and PZ-88, were installed May 2026.
7. Detection Monitoring Well BRGWA-23S was abandoned May 2026.
8. Coordinate System: NAD 1983 State Plane Georgia West_FIPS (U.S. Feet).
9. Property boundary provided by Southern Company Services.
10. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, January 2026.

0 1,500 3,000
Scale in Feet

POTENTIOMETRIC SURFACE CONTOUR MAP - FEBRUARY 2026

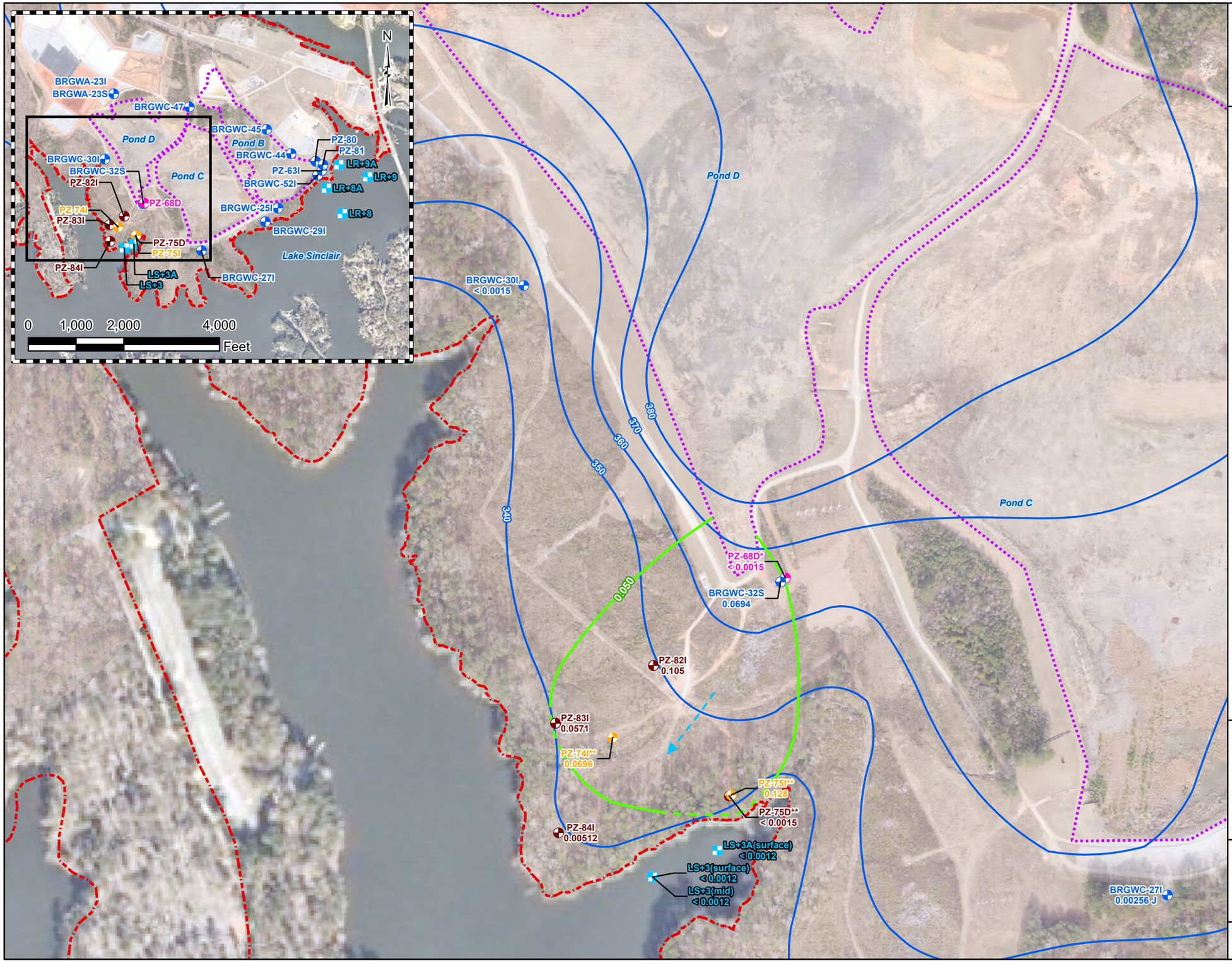
GEORGIA POWER COMPANY
PLANT BRANCH AP-BCD
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | JULY 2026

FIGURE 4



LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Sample Point
- Groundwater Elevation Iso-Contour (August 2025)
- Approximate Groundwater Flow Direction
- 0.050 Selenium 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. Concentration data for PZ-82I and PZ-83I is reported from samples collected October 10, 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 selenium is 0.050 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, January 2026.

0 300 600
Scale in Feet

ISO-CONCENTRATION MAP, SELENIUM - AUGUST 2025

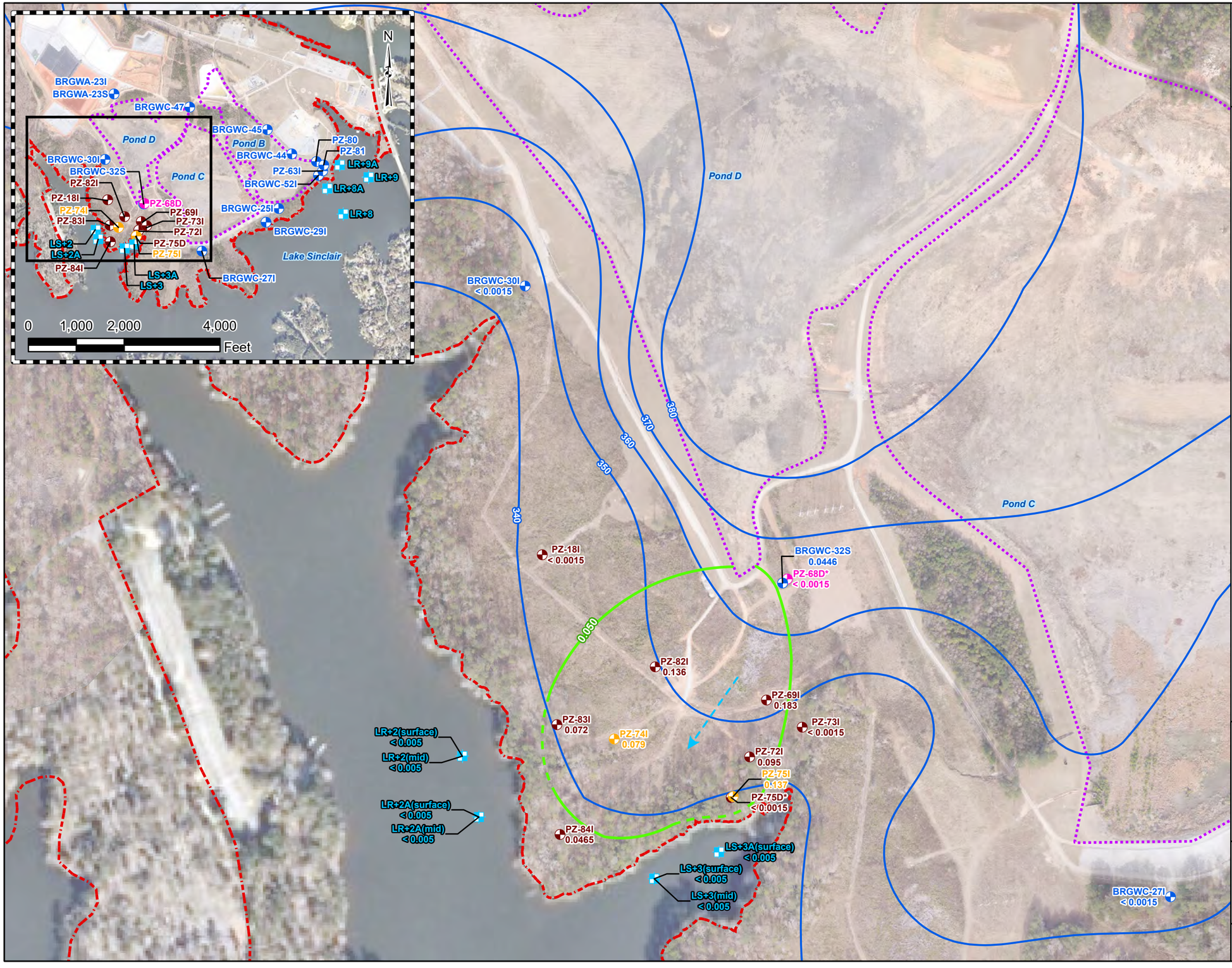
GEORGIA POWER COMPANY
PLANT BRANCH AP-BCD
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 5



LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Sample Point
- Groundwater Elevation Iso-Contour (February 2026)
- Approximate Groundwater Flow Direction
- 0.050 Selenium 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 February 2026.
2. Concentrations are reported in milligrams per liter (mg/L).
3. Water level elevation recorded on February 16, 2026.
4. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
5. The Groundwater Protection Standards (GWPS) for selenium is 0.050 mg/L.
6. * - Data reported was not used to generate the iso-concentration contour.
7. Piezometer PZ-23I was renamed BRGWA-23I, and reclassified as a Detection Monitoring Well following the February 2026 semiannual monitoring event.
8. Detection Monitoring Well BRGWA-23S was abandoned May 2026.
9. Property boundary provided by Southern Company Services.
10. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, January 2026.

0 300 600
Scale in Feet

ISO-CONCENTRATION MAP, SELENIUM - FEBRUARY 2026

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

Prepared For: Georgia Power
Prepared By: Geosyntec consultants

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FIGURE 6

APPENDIX A

Well Abandonment and Well Design, Installation, and Development Reports

Georgia Power

Prepared for

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

WELL DESIGN, INSTALLATION, AND DEVELOPMENT REPORT

PLANT BRANCH ASH PONDS B, C, & D (AP-BCD)

Prepared by

Geosyntec consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW11516

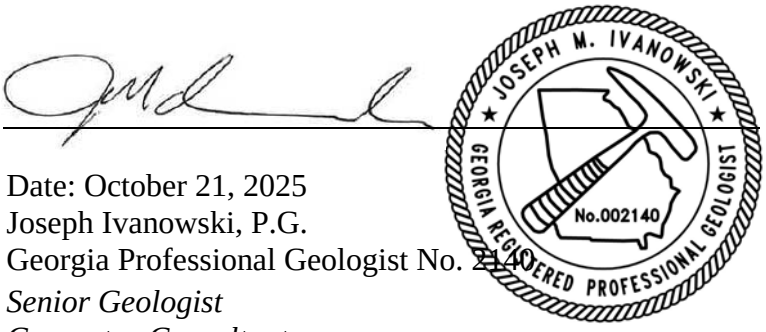
October 2025

Georgia Power

CERTIFICATION PAGE

I hereby certify that this *Well Design, Installation, and Development Report – Plant Branch AP-BCD* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Geosyntec Consultants and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

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



Date: October 21, 2025
Joseph Ivanowski, P.G.
Georgia Professional Geologist No. 2140
Senior Geologist
Geosyntec Consultants

Geosyntec
consultants

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LIST OF ACRONYMS

AP	Ash Pond
ACC	Atlantic Coast Consulting
ASTM	American Society for Testing and Materials
CCR	coal combustion residuals
CFR	Code of Federal Regulations
CFS	Civil Field Services
DO	dissolved oxygen
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants
HSA	hollow stem auger
NAD	North America Datum
NAVD	North American Vertical Datum
NSF	National Sanitation Foundation
ORP	oxygen reduction potential
PVC	polyvinyl chloride
SCS	Southern Company Services
SESD	USEPA Region 4 Science and Ecosystem Support Division
TOC	top of casing
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

Georgia Power Company's (Georgia Power) Plant Branch (Plant) is located in Putnam County near Milledgeville and Eatonton, Georgia. Over the course of power generation at the Plant, five Coal Combustion Residuals (CCR) ponds, identified as Ash Ponds A, B, C, D, and E were utilized. Ash Ponds B, C, and D (Site) are monitored collectively as a single groundwater monitoring unit (AP-BCD). This report provides details regarding the design, installation, and development of four (4) piezometers (PZ-75D, PZ-82I, PZ-83I, and PZ-84I), to supplement the current network of detection monitoring wells, assessment monitoring wells, and piezometers at AP-BCD. These newly installed piezometers are located near AP-D and are shown on **Figure 1**.

The well installations were completed to meet the requirements promulgated in the United States Environmental Protection Agency (USEPA) CCR rule [40 Code of Federal Regulations (CFR) Part 257, Subpart D], specifically 40 CFR §257.91(e)(1) (USEPA, 2015) and Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10.

2. DRILLING AND WELL INSTALLATION

Well installation and development activities were performed according to accepted industry standards and following guidelines within the USEPA Region 4 Science and Ecosystem Support Division (SESD) Operating Procedure for Design and Installation of Monitoring Wells (USEPA, 2018; SESDGUID-101-R2). Well drilling, installation, and surface completion activities were performed by Southern Company Services (SCS) Civil Field Services (CFS). In accordance with the Georgia Water Well Standards Act, the driller was required to have an insurance bond on file with the State of Georgia at the time of drilling. A copy of this bond is provided in **Appendix A**. Southern Company Services (SCS) Civil Field Services (CFS) personnel provided oversight of the drilling and installation efforts. A geologist under the supervision of a certified Professional Geologist registered to practice in the State of Georgia, both of whom are employed with Geosyntec Consultants (Geosyntec), documented the drilling and installation efforts to record observations, soil and rock descriptions, subsurface stratigraphy, groundwater elevations, and other field activities.

PZ-75D, PZ-82I, PZ-83I, and PZ-84I were installed and completed in July and August 2025. The locations of these wells are shown on **Figure 1**. Well construction details are provided in **Table 1** and boring and well construction logs are included in **Appendix B**.

2.1 Drilling Method

The boreholes were advanced using hollow stem auger (HSA) drilling and HQ-size wireline rock coring (for bedrock). A track mounted CME 55-LCX drill rig was used to install the wells, using nominal 6-inch diameter augers for wells set in unconsolidated material. Wells set in bedrock were advanced using HQ size tooling. Care was taken so that the drilling methods did not introduce contamination of the groundwater from surface activities.

2.2 Screened Interval

Details regarding well screened intervals are provided in **Table 1**. Wells are screened in the uppermost water bearing unit of the Site. The wells are screened from approximately 342 to 280 feet elevation [referenced to the North American Vertical Datum of 1988 (NAVD 88)]. All wells are constructed with a 10-foot well screen segment.

2.3 Well Casings and Screens

The wells are constructed of 2-inch inner diameter Schedule 40 polyvinyl chloride (PVC) casing with flush-threaded fittings. The wells were installed with a 10-foot nominal length U-Pack® dual-wall well screen with 0.010-inch slots. The casing and screen arrived pre-cleaned and packaged by the manufacturer. The U-Pack well screen was constructed onsite by packing sand between slotted PVC and the well screen. Well construction materials are sufficiently durable to resist chemical and physical degradation and do not interfere with the quality of groundwater samples. Casing and screen are flush-threaded. Solvent or glue was not used to construct the wells. A threaded bottom cap was attached to the bottom of the screen. The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated. Details regarding well screened intervals are provided in **Table 1**.

2.4 Well Intake Design

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

2.5 Filter Pack

Highly Pure Quartzite manufactured by Covia was used as the filter pack material for the well. The filter pack material meets the ASTM D5092 uniformity coefficient specification of 2.5 or less, with a uniformity coefficient of 1.6.

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

Upon placement of the filter pack, the wells were pumped with a submersible pump to ensure settlement of the filter pack. The top of filter pack depth was measured following

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

2.6 Annular Seal

A minimum of two feet of bentonite chips (PelPlug coated 3/8-inch bentonite pellets) were placed immediately above the filter pack by gravity-pouring into the annular space and hydrated per manufacturer's specifications. A tremie pipe was used to probe the annular space to ensure that no bridging occurred. In cases where the bentonite seal extended above the estimated water table surface, the bentonite was hydrated with potable water for a duration meeting the manufacturer's specifications prior to grouting the remaining annulus.

The annulus above the bentonite seal was grouted with bentonite grout placed via tremie pipe (initial grouting) and direct pour methods (for topping off) from the top of the bentonite seal. During grouting, care was taken to assure that the bentonite seal was not disturbed by locating the base of the tremie pipe approximately 2 feet above the bentonite seal and injecting grout at low pressure/velocity. A cement apron 4-feet by 4-feet by 4-inches was poured around the wells. The pads were mounded slightly outward to direct surface drainage away from the wells.

2.7 Cap and Protective Casing

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

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

3. WELL DEVELOPMENT

The wells were developed by Atlantic Coast Consulting (ACC) using a combination of surging and pumping to (i) restore the natural hydraulic conductivity of the formation, and (ii) to remove fine-grained sediment to ensure low-turbidity groundwater samples. The wells were alternately surged and purged until visually clear of particulates. Turbidity, pH, temperature, specific conductivity, oxidation-reduction potential (ORP), and dissolved oxygen (DO) measurements were recorded to ensure that each well was fully developed, and field parameters were stabilized. Development of wells PZ-75D, PZ-82I, PZ-83I, and PZ-84I was conducted August 5, 2025 through August 7, 2025. The well development field forms provided by ACC are included in **Appendix C**.

4. SURVEY

Upon completion of the well installations, horizontal locations and vertical elevations were surveyed on August 25, 2025, by GEL Solutions, a Georgia-licensed surveyor and certified on August 27, 2025. The top of the PVC well casings [top of casing (TOC) elevations] and the survey pin installed at the well pads were surveyed to within 0.5-foot horizontal accuracy and to 0.01-foot vertical accuracy. The horizontal location (i.e., northings and eastings) was recorded in feet relative to the North America Datum of 1983 (NAD) with the vertical elevation recorded in feet relative to the North American Vertical Datum of 1988. Certified survey data are provided in the well construction table (**Table 1**). A copy of the certified well survey data for the wells is provided in **Appendix D**.

5. REFERENCES

USEPA, 2015. Federal Register. Volume 80. No. 74. Friday April 17, 2015. Part II. Environmental Protection Agency. 40 CFR Parts 257 and 261. Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule. [EPA-HQ-RCRA–2009–0640; FRL–9919–44–OSWER]. RIN–2050–AE81, April 2015.

USEPA, 2018. *Science and Ecosystem Support Division (SESD, Athens, Georgia) Operating Procedure, Design and Installation of Monitoring Wells* (SESDGUID-101-R2). January 2018.

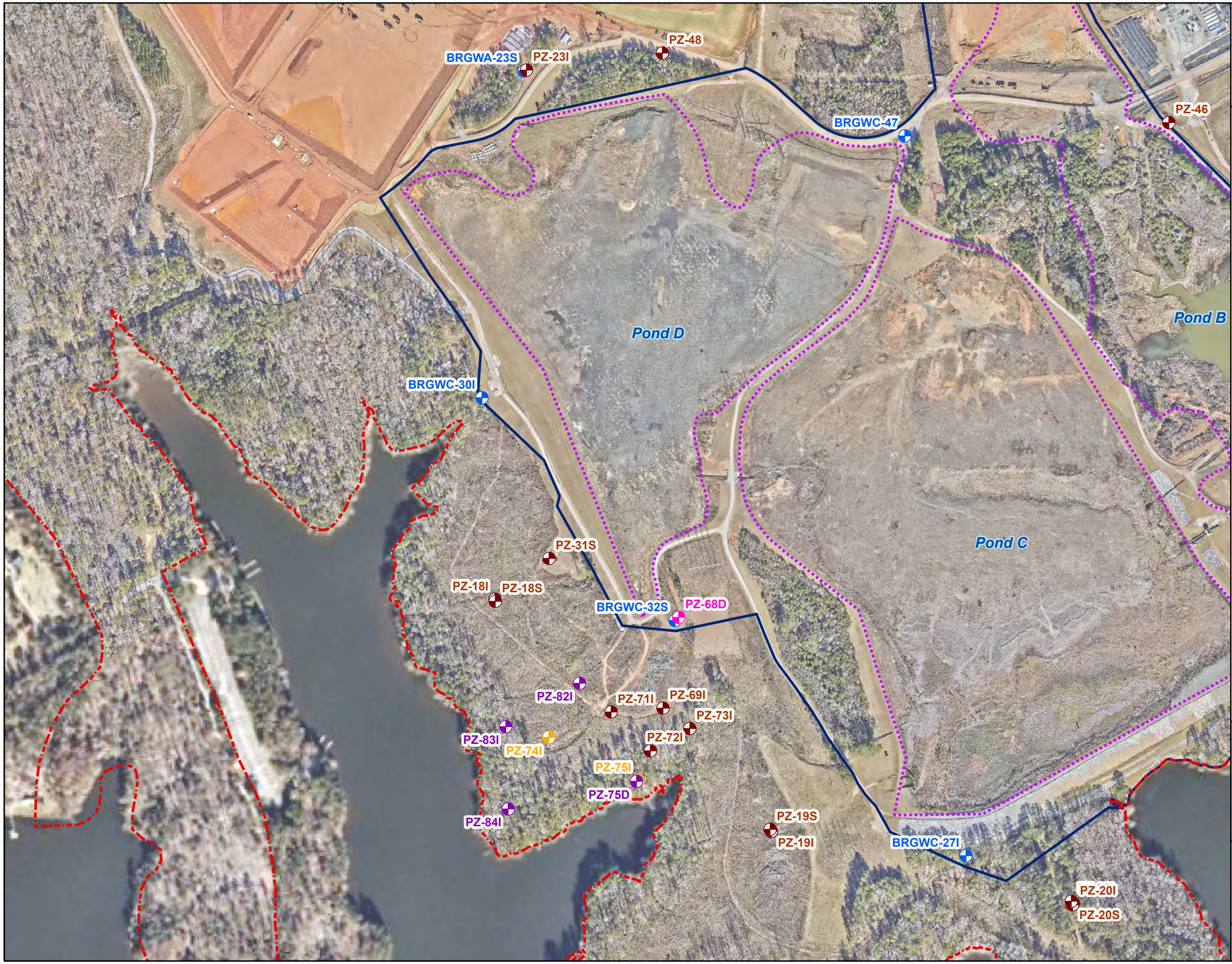
TABLE

Table 1
Summary of Well Construction Details
Plant Branch AP-BCD
Putnam County, Georgia

Well ID	Ash Pond	Installation Date	Northing [1]	Easting [1]	Ground Surface Elevation [2] (ft NAVD88)	Top of Casing Elevation (ft NAVD88)	Top of Screen Elevation (ft NAVD88)	Bottom of Screen Elevation (ft NAVD88)	Well Depth (ft bgs) [3]
PZ-75D	AP-D	8/1/2025	1160006.07	2558336.87	355.25	357.87	291.25	281.25	74.40
PZ-82I	AP-D	8/1/2025	1160415.30	2558099.18	381.20	383.72	342.61	332.61	48.99
PZ-83I	AP-D	8/1/2025	1160234.27	2557791.41	353.71	356.28	334.96	324.96	29.16
PZ-84I	AP-D	8/1/2025	1159890.44	2557801.11	350.21	352.77	322.18	312.18	38.43

Notes:
AP = ash pond
ID = identification
ft = feet
bgs = below ground surface
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey was completed by GEL Solutions on August 25, 2025 and certified on August 27, 2025.
(2) Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988. Ground surface elevation defined at the survey nail installed within the well pad.
Survey was completed by GEL Solutions on August 25, 2025 and certified on August 27, 2025.
(3) Total well depth accounts for a 0.40-ft sump.

FIGURE



N

LEGEND

- Newly Installed Piezometer
- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary
- Ash Pond BCD Permit Boundary

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

0 400 800
Scale in Feet

AP-D
GROUNDWATER MONITORING WELL NETWORK MAP

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

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | OCTOBER 2025

FIGURE 1

APPENDIX A

Well Driller Performance Bonds

CONTINUATION
CERTIFICATE

Safeco Insurance Company of America , Surety upon

a certain Bond No. **4993104**

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

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

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

does hereby continue said bond in force for the further period

beginning on June 30, 2025
(MONTH-DAY-YEAR)

and ending on June 30, 2027
(MONTH-DAY-YEAR)

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

Description of bond Water Well Contractors & Drillers

Premium: $100.00

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

Signed and dated on May 19, 2025
(MONTH-DAY-YEAR)
Safeco Insurance Company of America
175 Berkeley Street, Boston, MA 02116

By _____
Attorney-in-Fact Jeffrey M. Wilson

McGriff Insurance Services, A Marsh & McLennan Agency LLC Company
Agent

2000 International Park Drive, Suite 600, Birmingham, AL 35243
Address of Agent

(205) 252-9871
Telephone Number of Agent

S-0157/GE 8/08

XDP

Liberty Mutual. SURETY

POWER OF ATTORNEY

Certificate No: **8213598-016032**

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

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

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 3rd day of April, 2025.

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

By: _____
Nathan J. Zangerle, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 3rd day of April, 2025 before me personally appeared Nathan J. Zangerle, who acknowledged himself to be the Assistant Secretary of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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

Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2029
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

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

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorney-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 19th day of May, 2025.

By: _____
Renee C. Llewellyn, Assistant Secretary

LMS-12874 ASIC FNICA GICA SICA 09/24

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

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

APPENDIX B

Boring and Well Construction Logs

Geosyntec consultants
engineers | scientists | innovators

Client: Southern Company Services - Plant Branch
Project: Plant Branch Well Installation
Address: 1100 Milledgeville Rd, Milledgeville, GA

WELL LOG

Well No. PZ-75D
Page: 1 of 2

Drilling Start Date:	7/19/2025	Boring Depth (ft bgs):	74.6	Well Depth (ft bgs):	74.40
Drilling End Date:	7/29/2025	Boring Diameter (in):	6”	Well Diameter (in):	2
Drilling Company:	Civil Field Services	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	HSA/Wireline Rock Coring	DTW During Drilling (ft):	--	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME-55-LCX	Ground Surface Elev. (ft):	355.25	Screen Material:	Sch 40 PVC Slotted
Driller:	A. Castleberry	Top of Casing Elev. (ft):	357.87	Seal Material(s):	Grout/Bentonite
Logged By:	T. Kessler	North, East:	1160006.065, 2558336.868	Filter Pack:	#20/40 Sand

DEPTH (ft)	SAMPLE TYPE	BLOW COUNTS	SOIL/ROCK VISUAL DESCRIPTION	REMARKS	ELEVATION (ft MSL)
0	SPT	1 6 8 9	(0') Silty CLAY (CL); red (2.5YR 4/6); dry, firm/hard, nonplastic, some medium to fine subrounded sand, trace mica, trace organic material.	**Filter pack**: 1.75 50-lbs bags of 20/40 sand equating to 0.96 cubic feet in volume.	355
5	SPT	6 7 5 6	(5') Silty CLAY (CL); red (2.5YR 4/6) with black mottling throughout, dry to moist, loose/soft, low plasticity to nonplastic, trace fine sand, micaceous, trace organics.	**Top Seal**: One five-gallon bucket of bentonite pellets equating to 0.70 cubic feet in volume.	350
10	SPT	4 7 8 10	(10') Silty SAND (SM); red (2.5YR 4/6); dry, loose, trace fine subangular sand, micaceous, relict rock structure. (13') Wet from 13-13.2 ft bgs.	**Grout Seal**: AquaGuard bentonite grout.	345
15	SPT	4 3 6 9	(15') Silty SAND (SM); gray (7.5YR N6); moist to wet, firm, medium to fine subangular grained, micaceous, relict rock structure, abundant iron staining.		340
20	SPT	4 50/2”	(20') PARTIALLY WEATHERED ROCK; dark gray (7.5YR N4); moist, hard, abundant subangular coarse gravel, micaceous, some silt, abundant iron staining throughout. (23') Wet from 23-23.1 ft bgs.		335
25			(25') BIOTITE GRANITE GNEISS; light gray (N7), dry, hard, trace mica, massive, some amphibole. (28') Quartz vein. (29') Hard, trace mica, increasing biotite/amphibole concentration with depth. (32') Banding present from 32-34 ft bgs. (33.9') Friable from 33.9-34 ft bgs.	Rock encountered. Switched to PQ rock coring.	330
30					325
35			(34') BIOTITE GNEISS; light gray (N7), dry, hard, trace mica throughout, abundant amphibole, massive, coarse quartzite grain structure. (36.7') Iron staining from 36.7-36.9 ft bgs.		320
40			(39') BIOTITE GNEISS; light gray (N7), dry, hard, trace mica throughout, abundant amphibole, massive, coarse quartzite grains. (40') Few tight/closed vertical fractures from 40-41 ft bgs. (40.6') Fracture with greenish gray (5G 6/1) staining on surfaces. (44') Hard, trace banding.		315
45					

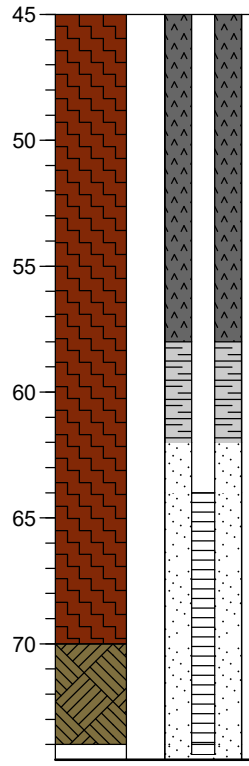
NOTES: HSA-Hollow Stem Auger. Well completed with aluminum stickup protective well cover set in concrete. TOC-Top of Casing; ft bgs-feet below ground surface. Total well depth includes 0.4 foot sump. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-East, feet.

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Client: Southern Company Services - Plant Branch
Project: Plant Branch Well Installation
Address: 1100 Milledgeville Rd, Milledgeville, GA

WELL LOG
Well No. PZ-75D
Page: 2 of 2

Drilling Start Date:	7/19/2025	Boring Depth (ft bgs):	74.6	Well Depth (ft bgs):	74.40
Drilling End Date:	7/29/2025	Boring Diameter (in):	6”	Well Diameter (in):	2
Drilling Company:	Civil Field Services	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	HSA/Wireline Rock Coring	DTW During Drilling (ft):	--	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME-55-LCX	Ground Surface Elev. (ft):	355.25	Screen Material:	Sch 40 PVC Slotted
Driller:	A. Castleberry	Top of Casing Elev. (ft):	357.87	Seal Material(s):	Grout/Bentonite
Logged By:	T. Kessler	North, East:	1160006.065, 2558336.868	Filter Pack:	#20/40 Sand



DEPTH (ft)	SOIL/ROCK VISUAL DESCRIPTION	REMARKS	ELEVATION (ft MSL)
45	(47') Augen texture component (no fracture) from 47-48.5 ft bgs, decreasing amphibole, increasing coarse grained quartzite content with depth.		310
50	(49') BIOTITE GNEISS; medium dark gray (N4), trace mica, without staining, coarse quartzite grain structure with quartzite banding from 49-50.5 ft bgs. (50.5') Massive from 50.5-54 ft bgs. (51.5') Some augen texture from 51.5-52.7 ft bgs. (54') Trace mica throughout, without iron staining, biotite concentration decreases with depth, fractured along biotite veins (drill induced).	1 cup 20/40 sand added to borehole to increase cutting power Drill rate = 1” per 7 minutes; drilling very slow; cuttings muddy	305
55	(58') Quartzite exhibits trace augen texture from 58-59 ft bgs, individual quartzite grains <2.5”. (58.4') 1.5” thick quartzite banding. (59') Mica and biotite concentrations increase with depth, trace staining at 59 ft bgs.	Bit cuts 59-62 ft bgs	300
60	(60') Large quartz vein from 60-62.1 ft bgs. (64') Hard, massive, quartzite vein.	Slow drilling from 62-64 ft bgs Rig shaking during drilling from 63-64 ft bgs	295
65	(65.5') Trace mica and olivine throughout. (67.4') Trace garnet. (68') Resume trace olivine and garnet.	Driller reports jump in drill string.	290
70	(68.5') Quartzite vein from 68.5-69 ft bgs. (69') Same as above. (70') PEGMATITE; medium light gray (N6), hard, abundant mica and biotite throughout core, coarse-grained angular quartzite throughout (0.1”-4”), trace epidote from 70-71 ft bgs. (74') No recovery. (74.6') Boring terminated.		285

NOTES: HSA-Hollow Stem Auger. Well completed with aluminum stickup protective well cover set in concrete. TOC-Top of Casing; ft bgs-feet below ground surface. Total well depth includes 0.4 foot sump. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-East, feet.

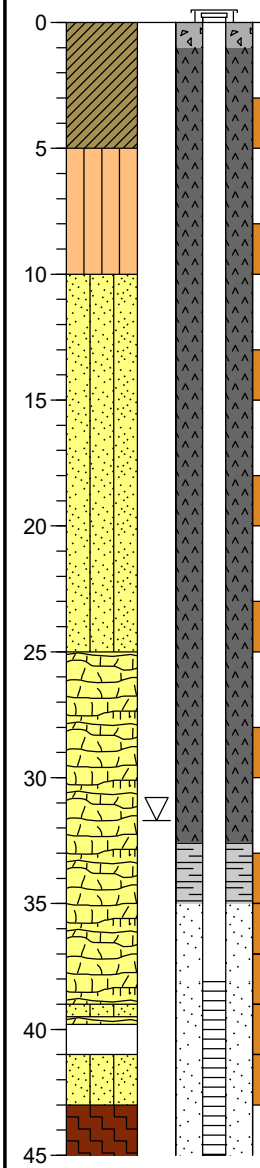
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Client:	**Southern Company Services - Plant Branch**
Project:	**Plant Branch Well Installation**
Address:	**1100 Milledgeville Rd, Milledgeville, GA**

WELL LOG

Well No. PZ-82I
Page: 1 of 2

Drilling Start Date:	**7/15/2025**	Boring Depth (ft bgs):	**49.7**	Well Depth (ft bgs):	**48.99**
Drilling End Date:	**7/15/2025**	Boring Diameter (in):	**6”**	Well Diameter (in):	**2**
Drilling Company:	**Civil Field Services**	Sampling Method(s):	**SPT**	Screen Slot (in):	**0.010**
Drilling Method:	**HSA/Wireline Rock Coring**	DTW During Drilling (ft):	**31.7**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME-55-LCX**	Ground Surface Elev. (ft):	**381.20**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**A. Castleberry**	Top of Casing Elev. (ft):	**383.72**	Seal Material(s):	**Grout/Bentonite**
Logged By:	**T. Kessler**	North, East:	**1160415.300, 2558099.178**	Filter Pack:	**#20/40 Sand**



DEPTH (ft)	SAMPLE TYPE	BLOW COUNTS	SOIL/ROCK VISUAL DESCRIPTION	REMARKS	ELEVATION (ft MSL)
0	SPT	8 8 10 10	(0') Silty CLAY (CL); red (2.5YR 4/6); dry, medium to low plasticity, abundant mica, trace fine sand throughout, trace medium subrounded sand, abundant organics.	Borehole cleared using GPR	380
5	SPT	4 5 6 4	(5') Clayey SILT (ML); yellowish red (5YR 4/6); dry, loose, low plasticity to nonplastic, abundant mica, abundant fine sand, trace medium subrounded sand, trace organics.	**Filter Pack**: 3 50-lbs bags of 20/40 sand equating to 1.65 cubic feet in volume.	375
10	SPT	4 4 6 7	(10') Silty SAND (SM); light brown (7.5YR 6/4); dry, loose, fine grained, abundant medium to coarse subrounded to subangular grains.	**Top Seal**: One five gallon bucket of bentonite pellets equating to 0.70 cubic feet in volume	370
15	SPT	5 5 7 8	(14.5') Dark gray mottling, cemented. (15') Silty SAND (SM); light brown (7.5YR 6/4) with trace dark gray mottling throughout, dry, loose, fine grained, abundant medium to coarse subrounded to subangular grains, abundant mica.	**Grout Seal**: AquaGuard bentonite grout	365
20	SPT	5 7 9 11	(20') Silty SAND (SM); very pale brown (10YR 7/3); hard, abundant medium to coarse subangular grains, some fine sand, PWR (relict rock structures throughout).		360
25	SPT	9 9 11 12	(25') PARTIALLY WEATHERED ROCK; white (10YR 8/1) and dark brown (10YR 3/3); abundant mica, abundant relict rock structure, angular large to medium rock fragments throughout. (28') Firm. (29.5') Moist, loose. (30') Hard.		355
30	SPT	12 15 40	(34') Iron staining from 34-34.7 ft bgs.		350
35	SPT	50/0” 50 50/0”	(35') Wet, loose where wet (35-37 ft), abundant fine sand, iron staining throughout.		345
40	SPT	5 15 19 44 50/2”	(37') Wet, loose, fine sand, some angular coarse sand from 37-37.5 ft bgs, grayish olive (10YR 4/2) laminations throughout. (39') Silty SAND (SM); dark gray (7.5YR N4) grading to light brown with depth, wet, soft/loose, fine grained, micaceous, some medium angular to subangular sand.		340
45	SPT	50/2”	(39.5') PARTIALLY WEATHERED ROCK; grayish orange (10YR 7/4); moist, firm/hard, micaceous, abundant medium angular sand. (39.8') No recovery.	Rock encountered at 43 ft bgs. Switched to PQ rock coring. Core to ~45 ft.	

NOTES: HSA-Hollow Stem Auger. Well completed with aluminum stickup protective well cover set in concrete. TOC-Top of Casing; ft bgs-feet below ground surface. Total well depth includes 0.4 foot sump. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-East, feet.

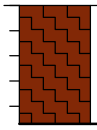
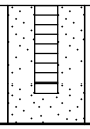
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Client: Southern Company Services - Plant Branch
Project: Plant Branch Well Installation
Address: 1100 Milledgeville Rd, Milledgeville, GA

WELL LOG

Well No. PZ-82I
Page: 2 of 2

Drilling Start Date:	**7/15/2025**	Boring Depth (ft bgs):	**49.7**	Well Depth (ft bgs):	**48.99**
Drilling End Date:	**7/15/2025**	Boring Diameter (in):	**6”**	Well Diameter (in):	**2**
Drilling Company:	**Civil Field Services**	Sampling Method(s):	**SPT**	Screen Slot (in):	**0.010**
Drilling Method:	**HSA/Wireline Rock Coring**	DTW During Drilling (ft):	**31.7**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME-55-LCX**	Ground Surface Elev. (ft):	**381.20**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**A. Castleberry**	Top of Casing Elev. (ft):	**383.72**	Seal Material(s):	**Grout/Bentonite**
Logged By:	**T. Kessler**	North, East:	**1160415.300, 2558099.178**	Filter Pack:	**#20/40 Sand**

DEPTH (ft)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	SAMPLE TYPE	BLOW COUNTS	SOIL/ROCK VISUAL DESCRIPTION	REMARKS	ELEVATION (ft MSL)
45						(41') Silty SAND (SM); dark gray (7.5YR 4/1); wet, soft/loose, fine grained, micaceous, some medium angular to subangular sand. (43') BIOTITE GRANITE GNEISS; very light gray (N/8) and black (N/1), few fractures with iron staining from 43-43.3 ft bgs, massive. (44.7') Same as above. (46.9') Iron staining on fracture, few natural fractures. (49.7') Boring terminated.		335

NOTES: HSA-Hollow Stem Auger. Well completed with aluminum stickup protective well cover set in concrete. TOC-Top of Casing; ft bgs-feet below ground surface. Total well depth includes 0.4 foot sump. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-East, feet.

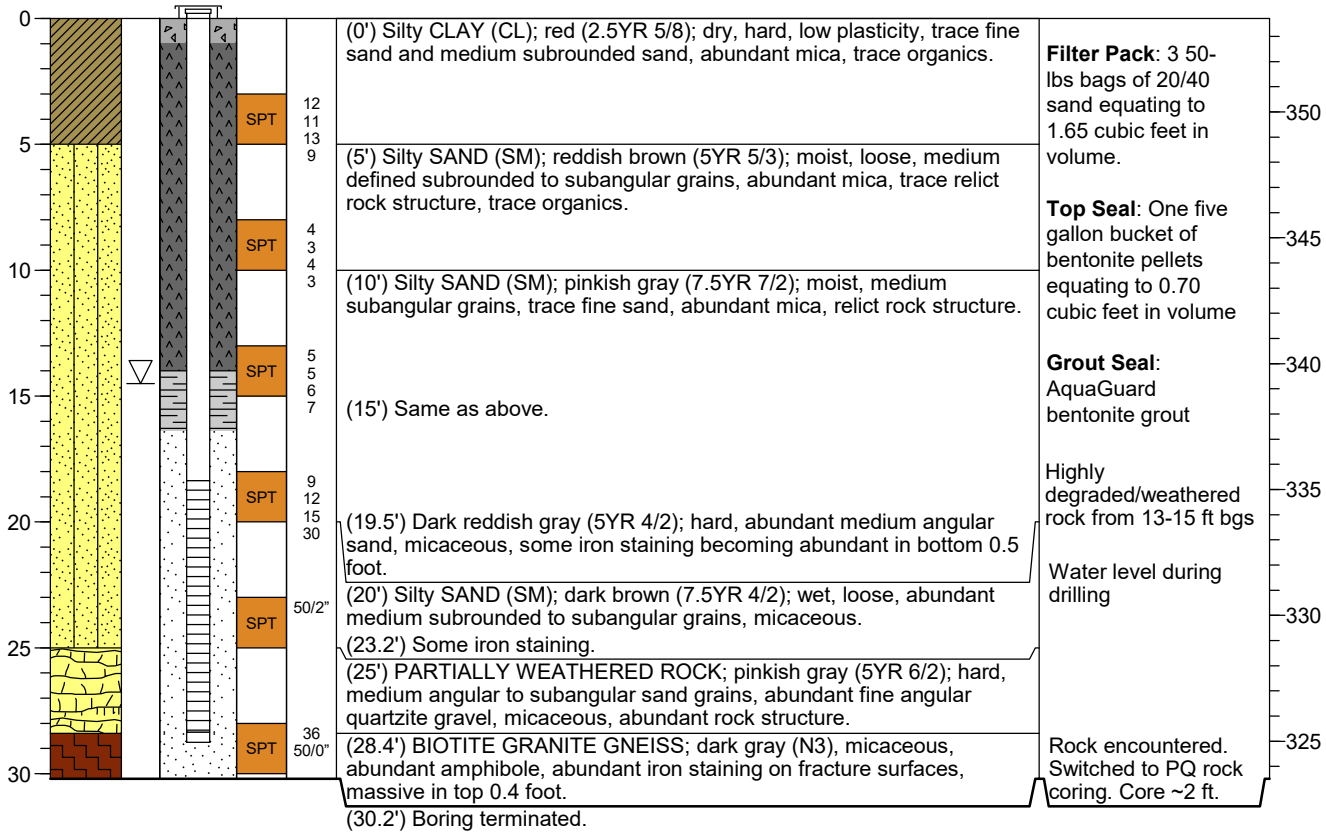
Geosyntec consultants
engineers | scientists | innovators

Client: Southern Company Services - Plant Branch
Project: Plant Branch Well Installation
Address: 1100 Milledgeville Rd, Milledgeville, GA

WELL LOG

Well No. PZ-83I
Page: 1 of 1

Drilling Start Date:	7/16/2025	Boring Depth (ft bgs):	30.2	Well Depth (ft bgs):	29.16
Drilling End Date:	7/16/2025	Boring Diameter (in):	6”	Well Diameter (in):	2
Drilling Company:	Civil Field Services	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	HSA/Wireline Rock Coring	DTW During Drilling (ft):	14.5	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME-55-LCX	Ground Surface Elev. (ft):	353.71	Screen Material:	Sch 40 PVC Slotted
Driller:	A. Castleberry	Top of Casing Elev. (ft):	356.28	Seal Material(s):	Grout/Bentonite
Logged By:	T. Kessler	North, East:	1160234.273, 2557791.410	Filter Pack:	#20/40 Sand



NOTES: HSA-Hollow Stem Auger. Well completed with aluminum stickup protective well cover set in concrete. TOC-Top of Casing; ft bgs-feet below ground surface. Total well depth includes 0.4 foot sump. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-East, feet.

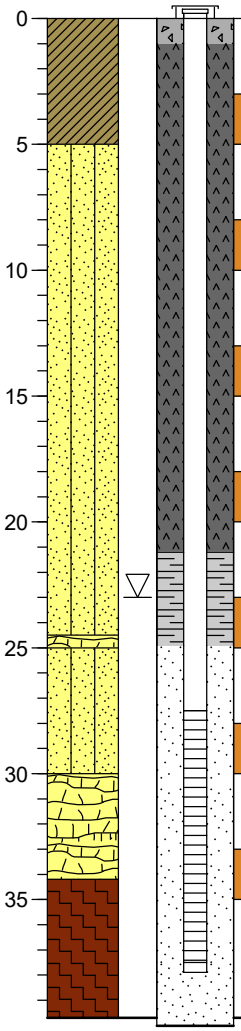
Geosyntec consultants
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Client: Southern Company Services - Plant Branch
Project: Plant Branch Well Installation
Address: 1100 Milledgeville Rd, Milledgeville, GA

WELL LOG

Well No. PZ-84I
Page: 1 of 1

Drilling Start Date:	7/17/2025	Boring Depth (ft bgs):	39.7	Well Depth (ft bgs):	38.43
Drilling End Date:	7/17/2025	Boring Diameter (in):	6”	Well Diameter (in):	2
Drilling Company:	Civil Field Services	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	HSA/Wireline Rock Coring	DTW During Drilling (ft):	23.0	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME-55-LCX	Ground Surface Elev. (ft):	350.21	Screen Material:	Sch 40 PVC Slotted
Driller:	A. Castleberry	Top of Casing Elev. (ft):	352.77	Seal Material(s):	Grout/Bentonite
Logged By:	T. Kessler	North, East:	1159890.443, 2557801.110	Filter Pack:	#20/40 Sand



DEPTH (ft)	SAMPLE TYPE	BLOW COUNTS	SOIL/ROCK VISUAL DESCRIPTION	REMARKS	ELEVATION (ft MSL)
0	SPT	23 28 13 11	(0') Silty CLAY (CL); red (2.5YR 3/6); dry to moist, firm, medium to low plasticity, micaceous, trace fine sand, trace organics throughout.	**Filter Pack**: 2 50-lbs bags of 20/40 sand equating to 1.65 cubic feet in volume.	350
5	SPT	6 3 4 1	(5') Silty SAND (SM); reddish brown (5YR 5/4); moist, loose, fine grained with some medium subangular grains, micaceous, trace organics.	**Top Seal**: One five gallon bucket of bentonite pellets equating to 0.70 cubic feet in volume	345
10	SPT	3 4 4 6	(10') Silty SAND (SM); reddish gray (5YR 5/2); moist, becoming stiffer with depth, abundant medium angular to subangular grains, relict rock structure, trace organic material.	**Grout Seal**: AquaGuard bentonite grout	340
15	SPT	8 12 21 25	(15') Silty SAND (SM); grayish brown (10YR 5/2) to white (10YR 8/1) and black (10YR 2/1) with mottling throughout, moist to wet, hard, medium to fine angular to subangular grains, micaceous, abundant rock structure throughout.		335
20	SPT	21 33 50/2”	(20') Silty SAND (SM); brown (7.5YR 5/2); wet, loose, medium to fine subrounded to subangular grains, micaceous.	Water encountered during drilling	330
25	SPT	16 22 38 36	(24.5') PARTIALLY WEATHERED ROCK; white (10YR 8/1) mottled with black (10YR 2/1); dry, hard, abundant coarse angular sand, micaceous, relict rock structure. (25') Silty SAND (SM); reddish gray (5YR 5/2) with black and white mottling throughout, wet, hard to firm, medium to fine subangular to angular grains, micaceous, abundant iron staining and relict rock structure throughout. (28.4') Trace rounded quartz gravel. (29.5') Trace rounded quartz gravel.		325
30	SPT	50/0”	(30') PARTIALLY WEATHERED ROCK; pale brown (10YR 6/3); wet, hard to firm, abundant medium to fine subangular sand, some silt, micaceous, trace subrounded fine quartz gravel.	Slow augering; no chatter. Top 4 ft fall in auger after refusal. Rock encountered at 34.2 ft bgs. Switched to PQ rock coring.	320
35			(34.2') BIOTITE GRANITE GNEISS; dark gray (N3), wet, hard, abundant iron staining on fracture surfaces, abundant amphibole throughout. (34.5') Trace dark gray (n3) medium angular sand grains. (35.9') Friable/weak. (38.5') Friable/heavily weathered from 38.5-38.7 ft bgs. (39.7') Boring terminated.	Driller reports washout/core loss. Rods locked in hole.	315

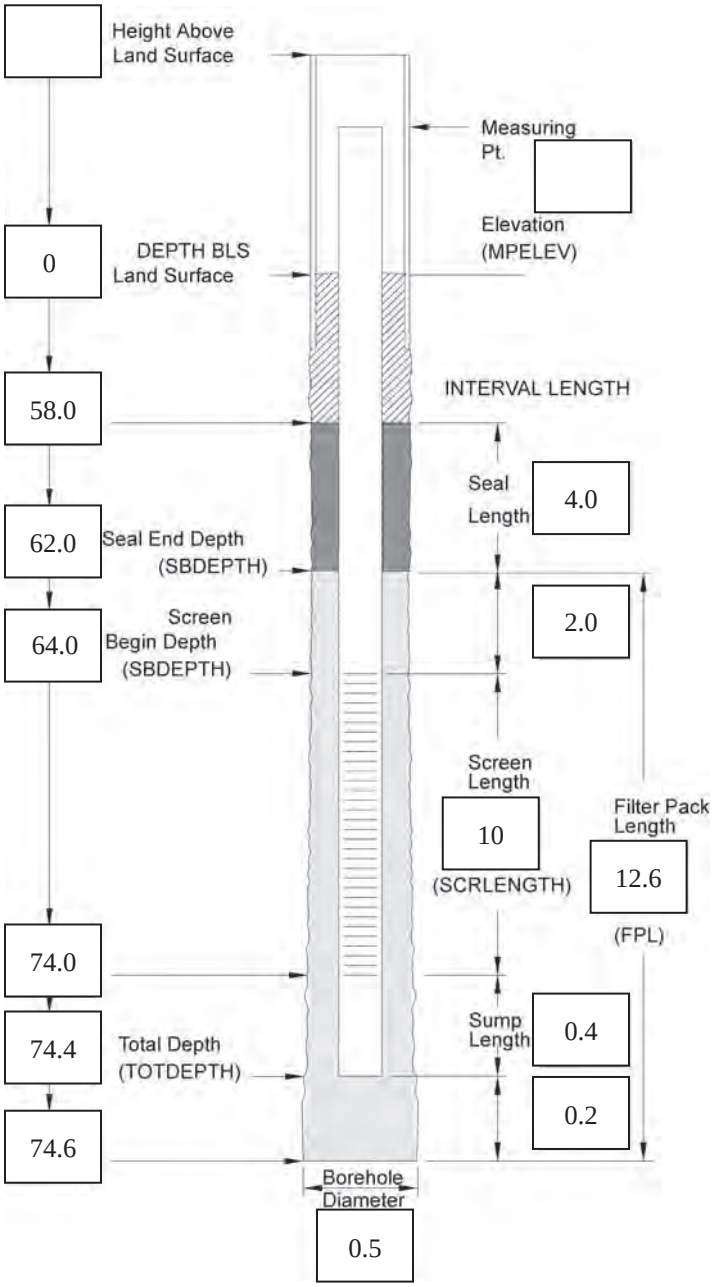
NOTES: HSA-Hollow Stem Auger. Well completed with aluminum stickup protective well cover set in concrete. TOC-Top of Casing; ft bgs-feet below ground surface. Total well depth includes 0.4 foot sump. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-East, feet.

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: PZ-75D

Drilling Company: SCS CFS
Drillers: A. Castleberry
Geologist/Engineer: Thomas Kessler
Signature: _____

Site: Plant Branch
Project Number: GW11516
Installation Method: HSA and wireline
Casing Installation Date: 7/29/2025
Well Type: Piezometer
Well Completion Method: Stickup
Geologic Completion Zone: Bedrock



Comments

_____

_____

_____

Well Completion
Guard Posts **NO** Date: 8/1/2025
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" aluminum
Depth BGS: 2' Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard bentonite grout

Placement Method: tremmie

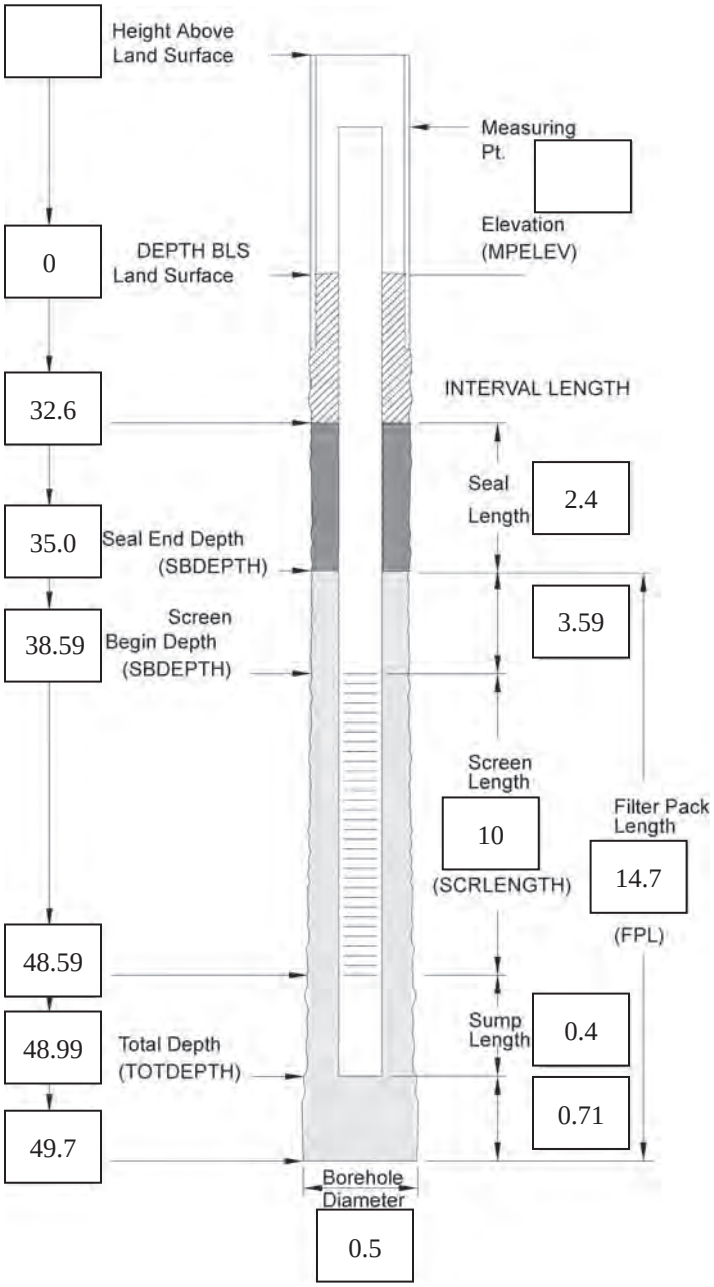
Seal Date: 7/29/2025
Type: Pelplug 3/8" coated pellets
Source: 5-gal bucket
Set-up/Hydration Time: 2 hours
Placement Method: direct pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 silica sand
Source: Covia - 50 lb bag
Amount Used: 1.75 bags
Placement Method: tremmie
Well Riser Pipe
Casing Material: SCH40 PVC
Casing Inside Diameters: 2 in.
Screen
Material: SCH40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.010 in.
Percent Open Area: -
Sump or Bottom Cap **YES**
Type/Length: 0.4' SCH40 PVC
Backfill Plug YES
Material: Sand
Placement Method: tremmie
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): _____ Recovered (Gal): _____
Reviewed
By: _____ Date: _____

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: PZ-82I

Drilling Company: SCS CFS
Drillers: A. Castleberry
Geologist/Engineer: Thomas Kessler
Signature: _____

Site: Plant Branch
Project Number: GW11516
Installation Method: HSA and wireline
Casing Installation Date: 7/17/2025
Well Type: Piezometer
Well Completion Method: Stickup
Geologic Completion Zone: PWR/Bedrock



Well Completion
Guard Posts **NO** Date: 8/1/2025
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" aluminum
Depth BGS: 2' Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard bentonite grout
Placement Method: tremmie

Seal Date: 7/17/2025
Type: Pelplug 3/8" coated pellets
Source: 5-gal bucket
Set-up/Hydration Time: 8 + hours
Placement Method: direct pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 silica sand
Source: Covia - 50 lb bag
Amount Used: 3 bags
Placement Method: tremmie/direct pour
Well Riser Pipe
Casing Material: SCH40 PVC
Casing Inside Diameters: 2 in.
Screen
Material: SCH40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.010 in.
Percent Open Area: -
Sump or Bottom Cap **YES**
Type/Length: 0.4' SCH40 PVC
Backfill Plug YES
Material: Sand
Placement Method: direct pour
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 120 Recovered (Gal): 150
Reviewed
By: _____ Date: _____

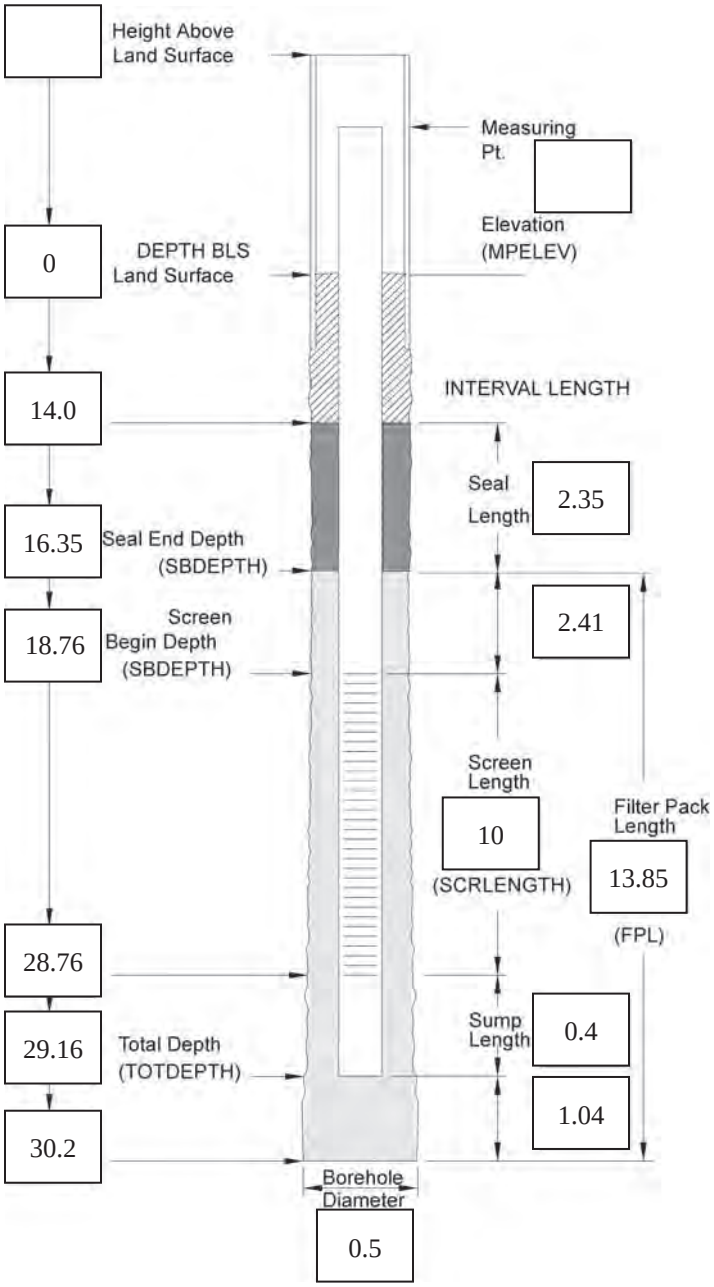
Comments
Excess water pumped during filter setting

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: PZ-83I

Drilling Company: SCS CFS
Drillers: A. Castleberry
Geologist/Engineer: Thomas Kessler
Signature: _____

Site: Plant Branch
Project Number: GW11516
Installation Method: HSA and wireline
Casing Installation Date: 7/16/2025
Well Type: Piezometer
Well Completion Method: Stickup
Geologic Completion Zone: PWR



Comments
Last ~5' of seal dry, added water for overnight hydration

Well Completion
Guard Posts **NO** Date: 8/1/2025
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" aluminum
Depth BGS: 2' Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard bentonite grout
Placement Method: tremmie

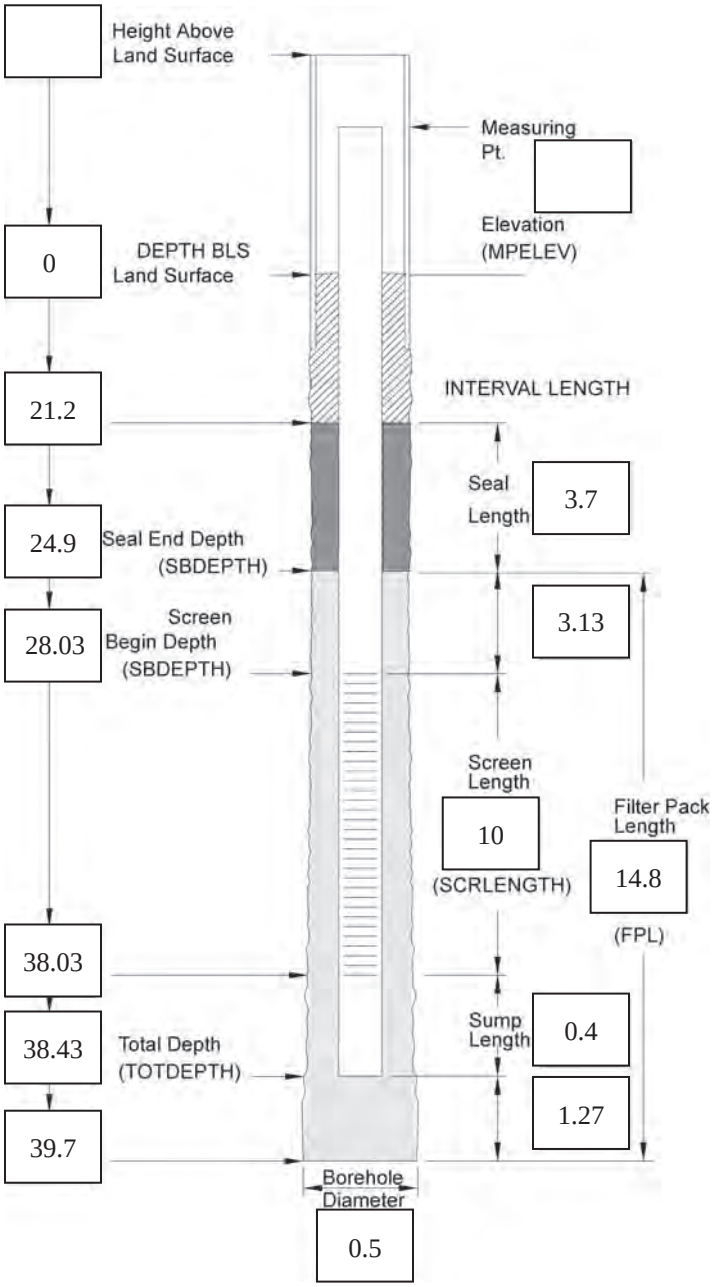
Seal Date: 7/16/2025
Type: Pelplug 3/8" coated pellets
Source: 5-gal bucket
Set-up/Hydration Time: 8 + hours
Placement Method: direct pour
Vol. Fluid Added: 20 gal
Filter Pack
Type: 20/40 silica sand
Source: Covia - 50 lb bag
Amount Used: 3 bags
Placement Method: tremmie/direct pour
Well Riser Pipe
Casing Material: SCH40 PVC
Casing Inside Diameters: 2 in.
Screen
Material: SCH40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.010 in.
Percent Open Area: -
Sump or Bottom Cap **YES**
Type/Length: 0.4' SCH40 PVC
Backfill Plug YES
Material: Sand
Placement Method: direct pour
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 100 Recovered (Gal): 55
Reviewed
By: _____ Date: _____

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: PZ-84I

Drilling Company: SCS CFS
Drillers: A. Castleberry
Geologist/Engineer: Thomas Kessler
Signature: _____

Site: Plant Branch
Project Number: GW11516
Installation Method: HSA and wireline
Casing Installation Date: 7/18/2025
Well Type: Piezometer
Well Completion Method: Stickup
Geologic Completion Zone: PWR/Bedrock



Well Completion
Guard Posts **NO** Date: 8/1/2025
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" aluminum
Depth BGS: 2' Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard bentonite grout
Placement Method: tremmie

Seal Date: 7/18/2025
Type: Pelplug 3/8" coated pellets
Source: 5-gal bucket
Set-up/Hydration Time: 8 + hours
Placement Method: direct pour
Vol. Fluid Added: -
Filter Pack
Type: 20/40 silica sand
Source: Covia - 50 lb bag
Amount Used: 2 bags
Placement Method: direct pour
Well Riser Pipe
Casing Material: SCH40 PVC
Casing Inside Diameters: 2 in.
Screen
Material: SCH40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.010 in.
Percent Open Area: -
Sump or Bottom Cap **YES**
Type/Length: 0.4' SCH40 PVC
Backfill Plug YES
Material: Sand/native
Placement Method: direct pour
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 400 Recovered (Gal): 350
Reviewed
By: _____ Date: _____

Comments
Extra material cleared during install to flush hole. Suspect some native intrusion on or below screen

APPENDIX C

Well Development and Equipment Calibration Forms

Atlantic Coast Consulting, Inc.
Well Development Field Record

Job Name: Plant Branch Developments | Job No. _____ | Well ID PZ-75D

Developed By: J. May | Date of Installation: _____ | Sheet 1 of 1

Started Dev. 08-06-25 0800 (Date / Time) | Completed Dev. 08-06-25 1310 (Date / Time)

W.L. Before Dev. 17.88 8/6 0754 (BTOC / Date / Time) | W.L. After Dev. 55.83 8/6 1329 (BTOC / Date / Time)

Well Depth Before Dev.: 77.33 BTOC | Well Depth After Dev.: 77.33 BTOC

Water Column (H): 59.45 Ft. | Well Dia.: 02 In. | Well Volume: 9.51 Gal. | Screen Length: _____ Ft.

Date / Time	Volume Removed (Gal.)	Water Level (BTOC)	Field Parameters: pH (S.U.)	Specific Cond. (umhos/cm)	DO mg/L	Turbidity (NTU)	Temperature (°C)	ORP	Purge Rate / Remarks
8/6 0807	/	17.88	SURGE	W/ SURGE BLOCK, RIGID TUBING ~30 MINUTES					
0912	/	32.56	SURGE/PURGE W/ RECLAIMER ~15 MINUTES						0.25 gpm
0922	2.50	34.00	PURGE W/ RECLAIMER						0.25 gpm
0932	5.00	41.10	WL CHECK		/	341	/	/	0.25 gpm
0942	7.50	47.00	WL CHECK		/	129	/	/	0.25 gpm
0952	10.00	49.80	WL CHECK		/	81.3	/	/	0.25 gpm
1002	12.50	52.30	8.29	306.8	1.18	46.8	19.27	184.5	0.25 gpm
1020	17.00	52.80	8.33	341.8	0.97	31.0	19.26	171.6	
1040	22.00	54.40	8.28	374.5	1.08	19.7	19.21	146.6	
1100	27.00	56.90	8.26	416.3	1.00	15.6	19.23	116.9	
1120	32.00	58.20	8.29	447.6	0.98	17.0	19.26	92.1	
1140	37.00	59.30	8.29	464.3	0.93	12.2	19.29	69.6	
1200	42.00	59.90	8.31	473.4	0.82	12.3	19.31	40.5 (SU)	
1220	47.00	60.20	8.30	481.7	0.73	8.57	19.44	4.3	
1225	48.25	60.30	START TROLL LOG						
1310	59.50	61.40	8.31	469.6	0.78	3.46	19.59	-65.2	
Total Volume Removed:	59.50 gal								

Development Method: - SURGE BLOCK/RIGID TUBING — 5 well vol = 47.55 gal
- SURGE/PURGE W/ RECLAIMER
- PURGE VOLUME W/ RECLAIMER

NOTES: WL STABILIZED ~~@ 60.90 ft~~ (SU) (950 mL/min) 61.40'
WL: 22.02 BTOC, 1704 8/6/25

Notes: H = well depth (BTOC) - W.L. (BTOC)
2" diameter well: 0.16 X H = volume in gallons
4" diameter well: 0.66 X H = voume in gallons

Atlantic Coast Consulting, Inc.
Well Development Field Record

Job Name: Plant Branch Developments | Job No. | Well ID PZ-82I

Developed By: J. May | Date of Installation: | Sheet 1 of 1

Started Dev. 08-05-25 0920 (Date / Time) | Completed Dev. 08-05-25 1450 (Date / Time)

W.L. Before Dev. 34.28 8/5 0916 (BTOC / Date / Time) | W.L. After Dev. 34.73 8/5 1509 (BTOC / Date / Time)

Well Depth Before Dev.: 51.51 BTOC | Well Depth After Dev.: 51.51 BTOC

Water Column (H): 17.23 Ft. | Well Dia.: 02 In. | Well Volume: 2.76 Gal. | Screen Length: ~~10~~ (JM) Ft.

Date / Time	Volume Removed (Gal.)	Water Level (BTOC)	Field Parameters: pH (S.U.)	Specific Cond. (umhos/cm)	DO mg/L	Turbidity (NTU)	Temperature (°C)	ORP	Purge Rate / Remarks
8/5 0925		34.90	SURGE W/ SURGE BLOCK ~30 MINUTES						
1010		34.90	SURGE/PURGE W/ RECLAIMER						0.25 gpm
1048	9.50	37.40	SURGE W/ RECLAIMER (CONT PURGE)						0.25 gpm
1100	12.50	37.20	SURGE W/ SURGE BLOCK ~15 MINUTES						
1118		34.60	SURGE ~~w/~~ PURGE W/ RECLAIMER						0.25 gpm
1135	16.75	36.00	SURGE W/ RECLAIMER						0.25 gpm
1220	28.00	37.70				426			0.25 gpm
1225	29.25	37.70	6.63	565.8	1.58	48.7	19.83	79.1	0.25 gpm
1230	30.50	37.70	STOP PURGE - ~~SWITCH TO MONSOON~~ (JM)						
			TECHNICAL DIFFICULTIES						
1255	30.50	36.00	CONTINUE PURGE W/ RECLAIMER						0.25 gpm
1315	35.50	36.90	6.67	565.7	1.08	156	19.60	26.0	
1325	38.00	36.90	6.67	564.0	1.23	64.6	19.57	25.7	
1335	40.50	36.90	6.59	562.9	1.19	23.5	19.54	31.8	
1345	43.00	36.90	6.46	561.8	1.27	18.3	19.53	40.0	
1355	45.50	36.90	6.49	562.8	1.25	7.87	19.84	41.4	
1405	48.00	36.90	START TROLL LOG						
1450	~~50.50~~	~~36.90~~	6.53	559.0	1.35	2.67	19.75	48.3	
Total Volume Removed:	~~50~~ (JM) 59.25 gallons (21 ½ well volumes)								

Development Method: - Surge Block / Rigid Tubing
- Purge/Surge w/ Reclaimer
- Purge volume w/ Reclaimer

Notes: WL stable @ 500+ mL/min purge rate.
Recharges rapidly: 2.6 ft return over 18 minutes

Notes: H = well depth (BTOC) - W.L. (BTOC)
2" diameter well: 0.16 X H = volume in gallons
4" diameter well: 0.66 X H = voume in gallons

Atlantic Coast Consulting, Inc.
Well Development Field Record

Job Name: Plant Branch Developments | Job No. _____ | Well ID PZ-83I
Developed By: J. May | Date of Installation: _____ | Sheet 1 of 1
Started Dev. 08-07-25 0845 (Date / Time) | Completed Dev. 08-07-25 1140 (Date / Time)
W.L. Before Dev. 16.06 8/7 0840 (BTOC / Date / Time) | W.L. After Dev. 16.06 8/7 1158 (BTOC / Date / Time)
Well Depth Before Dev.: 31.70 BTOC | Well Depth After Dev.: 31.72 BTOC
Water Column (H): 15.64 Ft. | Well Dia.: 02 In. | Well Volume: 2.50 Gal. | Screen Length: _____ Ft.

Date / Time	Volume Removed (Gal.)	Water Level (BTOC)	Field Parameters: pH (S.U.)	Specific Cond. (umhos/cm)	DO mg/L	Turbidity (NTU)	Temperature (°C)	ORP	Remarks
8/7 0848	/	16.06	SURGE W/ SURGE BLOCK ~30 MINUTES						
0930	/	17.14	SURGE/PURGE W/ RECLAIMER ~10 MIN						0.50 gpm
0940	5.00	19.10	STOP PURGE - FIX TUBING						
1020	5.00	17.60	CONTINUE PURGE						0.50 gpm
1030	10.00	17.70	SURGE/PURGE W/ RECLAIMER ~5 MIN						0.50 gpm
1035	12.50	17.70	PURGE W/ RECLAIMER						0.50 gpm
1045	17.50	17.70	/	/	/	286	/	/	0.50 gpm
1100	25.00	17.70	6.08	700.5	0.75	33.0	18.57	-42.6	0.50 gpm
1110	30.00	17.70	5.98	698.9	0.73	7.93	18.59	-38.5	0.50 gpm
1115	32.50	17.70	START PURGE LOG (TROLL)						↓
1140	45.00	17.70	5.90	700.0	0.73	3.09	18.52	-32.1	
Total Volume Removed:	45.00 gallons								

Development Method: SURGE W/ SURGE BLOCK
SURGE/PURGE W/ RECLAIMER
PURGE VOLUME W/ RECLAIMER

5 WELL VOLUMES: 12.51 gal

NOTES: WL STABLE @ 17.7'

Notes: H = well depth (BTOC) - W.L. (BTOC)
2" diameter well: 0.16 X H = volume in gallons
4" diameter well: 0.66 X H = voume in gallons

Atlantic Coast Consulting, Inc.
Well Development Field Record

Job Name: Plant Branch Developments Job No. _____ Well ID PZ-84I
Developed By: J. May Date of Installation: _____ Sheet 1 of 1
Started Dev. 08-06-25 1340 Completed Dev. 08-07-25 0816
Date / Time Date / Time
W.L. Before Dev. 13.41 8/6 1338 W.L. After Dev. 13.45 8/7 0828
BTOC / Date / Time BTOC / Date / Time
Well Depth Before Dev.: 40.99 BTOC Well Depth After Dev.: 40.99 BTOC
Water Column (H): 27.58 Ft. Well Dia.: 02 In. Well Volume: 4.41 Gal. Screen Length: _____ Ft.

Date / Time	Volume Removed (Gal.)	Water Level (BTOC)	Field Parameters: pH (S.U.)	Specific Cond. (umhos/cm)	DO mg/L	Turbidity (NTU)	Temperature (°C)	ORP	Purge Rate / Remarks
8/6 1355	/	13.41	SURGE W/ SURGE BLOCK ~30 MINUTES						
1435	/	13.92	SURGE/PURGE W/ RECLAIMER ~10 MIN						0.50 gpm
1450	7.50	16.20	PURGE W/ RECLAIMER						0.50 gpm
1505	15.00	16.50	/	/	/	176	/	/	0.50 gpm
1510	17.50	16.50	SURGE/PURGE W/ RECLAIMER ~10 MIN						0.50 gpm
1520	22.50	16.60	/	/	/	125	/	/	0.50 gpm
1525	25.00	16.60	SURGE/PURGE W/ RECLAIMER ~5 MIN						0.50 gpm
1540	32.50	16.30	/	/	/	44.6	/	/	0.50 gpm
1545	35.00	16.30	6.40	539.8	0.84	14.8	19.17	21.8	0.50 gpm
1565	40.00	16.30	START TROLL LOG						0.50 gpm
1655	70.00	16.30	STOP LOG/PURGE - DRD						
8/7 0732	70.00	13.36	CONTINUE PURGE						0.50 gpm
0751	79.50	14.90	START TROLL LOG						0.50 gpm
0816	92.00	14.90	5.83	556.8	0.940	0.61	18.69	16.4	
Total Volume Removed:	92.00								

Development Method: - SURGE W/ SURGE BLOCK 5 well vol = 22.1 gal
- SURGE/PURGE W/ RECLAIMER
- PURGE VOLUME W/ RECLAIMER

Notes: WL stable @ 16.3'

Notes: H = well depth (BTOC) - W.L. (BTOC)
2" diameter well: 0.16 X H = volume in gallons
4" diameter well: 0.66 X H = voume in gallons

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP-D

Date: 08-05-25

Calibrated By: J. May

Field Conditions: Rain/Clouds, 70s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183949
Turbidity Meter	Hach 2100Q	24010D000426

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	01/2027	PINE
pH (SU)	7.00	5GA0863	01/2027	PINE
pH (SU)	10.00	5GA0867	01/2027	PINE
Specific Conductance (µS/cm)	1,413	5GA0907	01/2026	PINE
ORP (mV)	240.0	5GC1152	12/2025	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	Hach
	20	A5092	07/26	Hach
	100	A5081	06/26	Hach

Calibration					
Time Start: 1020		**Time Finish:** 1035			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	99.82	23.43	± 10%	EPA 2023
pH (SU)	4.00	4.00	22.77	± 0.1	GWMP
pH (SU)	7.00	7.00	22.71	± 0.1	GWMP
pH (SU)	10.00	10.00	22.69	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1394	22.92	± 10% of standard	NA
ORP (mV)	240.0	239.9	22.88	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.11	± 10% of standard	EPA 2023
	10	10.3		
	20	21.6		
	100	104		

Calibration Check					
Time Start 1240		**Time Finish** 1250			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.00	23.87	± 0.1	GWMP
pH (SU)	7.00	7.00	24.01	± 0.1	GWMP
pH (SU)	10.00	10.00	23.90	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1398	23.76	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.21	± 10% of standard	EPA 2023
	10	10.2		
	20	20.8		
	100	102		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP-D Date: 08-06-25

Calibrated By: J. May Field Conditions: Cloudy, 70s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 600	1183949
Turbidity Meter	Hach 2100 Q	24010D000426

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	01/2027	PINE
pH (SU)	7.00	5GA0863	01/2027	PINE
pH (SU)	10.00	5GA0867	01/2027	PINE
Specific Conductance (µS/cm)	1,413	5GA0907	01/2026	PINE
ORP (mV)	240.0	5GC1152	12/2025	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	Hach
	20	A5092	07/26	Hach
	100	A5081	06/26	Hach

Calibration					
Time Start: 0935		**Time Finish:** 0950			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	22.78	± 10%	EPA 2023
pH (SU)	4.00	4.00	23.03	± 0.1	GWMP
pH (SU)	7.00	7.00	23.06	± 0.1	GWMP
pH (SU)	10.00	10.00	22.88	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1414	22.80	± 10% of standard	NA
ORP (mV)	240.0	240.3	22.79	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.17	± 10% of standard	EPA 2023
	10	10.2		
	20	20.4		
	100	101		

Calibration Check					
Time Start 1452		**Time Finish** 1500			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.00	23.90	± 0.1	GWMP
pH (SU)	7.00	7.00	23.68	± 0.1	GWMP
pH (SU)	10.00	10.00	23.70	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1412	23.44	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.14	± 10% of standard	EPA 2023
	10	10.1		
	20	20.0		
	100	101		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP-D

Date: 08-07-25

Calibrated By: J. May

Field Conditions: Cloudy, 70s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTrol 500	1183949
Turbidity Meter	Hach 2100Q	24010DC004260

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	01/2027	PINE
pH (SU)	7.00	5GA0863	01/2027	PINE
pH (SU)	10.00	5GA0867	01/2027	PINE
Specific Conductance (µS/cm)	1,413	5GA0907	01/2026	PINE
ORP (mV)	240.0	5GC1152	12/2025	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	Hach
	20	A5092	07/26	Hach
	100	A5081	06/26	Hach

Calibration					
Time Start: 0735		**Time Finish:** 0750			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.1	22.80	± 10%	EPA 2023
pH (SU)	4.00	4.00	22.70	± 0.1	GWMP
pH (SU)	7.00	7.02	22.49	± 0.1	GWMP
pH (SU)	10.00	10.00	22.64	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1412	22.47	± 10% of standard	NA
ORP (mV)	240.0	239.5	22.73	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.22	± 10% of standard	EPA 2023
	10	10.2		
	20	19.8		
	100	101		

Calibration Check					
Time Start		**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			

APPENDIX D

Certified Well Survey Data

GEL ENGINEERING OF NC INC

Plant Branch Monitoring Wells

Field Surveys: 8/25/2025-8/26/2025

Well ID	Casing Northing	Casing Easting	Top of Casing Elevation	Nail or Pad Northing	Nail or Pad Easting	Nail or Pad Elevation	Description
PZ-75D	1160006.065	2558336.868	357.87	1160009.551	2558336.727	355.25	NAIL ON PAD
PZ-82I	1160415.300	2558099.178	383.72	1160414.107	2558100.264	381.20	NAIL ON PAD
PZ-83I	1160234.273	2557791.410	356.28	1160233.342	2557792.857	353.71	NAIL ON PAD
PZ-84I	1159890.443	2557801.110	352.77	1159889.808	2557802.483	350.21	NAIL ON PAD
Benchmark	Northing	Easting	Elevation				
GEL1	1162581.977	2556743.623	391.46				
GEL2	1161860.379	2562295.003	380.25				

SURVEY DATA CERTIFICATION FOR SOUTHERN COMPANY TO DETERMINE NORTHING, EASTING, AND VERTICAL ELEVATION OF THE NAIL IN THE CONCRETE PAD & THE PVC WELL CASING. DATE OF FIELD SURVEY & INSPECTION: 08/25/2025. FIELD SURVEY POSITIONAL TOLERANCE=0.5 FEET HORIZONTAL-NAD'83, 0.01 VERTICAL-NAVD '88. EQUIPMENT USED FOR HORIZONTAL LOCATION: TRIMBLE R10 & R12 RTK GPS & TRIMBLE S5 ROBOTIC TOTAL STATION. THE VERTICAL LOCATION OF EACH SURVEYED POINT WAS ESTABLISHED BASED UPON LEVEL RUNS WITH A DIGITAL LEVEL LOOP FROM VERTICAL CONTROL ESTABLISHED BY ON-SITE BENCHMARKS GEL1 & GEL2 SET BY GEL SOLUTIONS USING A TRIMBLE DINI LEVEL



8/27/2025





COA - LS003119
Exp. 12/31/2025

Prepared for

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

WELL ABANDONMENT REPORT

PLANT BRANCH ASH PONDS B, C, & D (AP-BCD)

Prepared by

Geosyntec consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW11514

April 2026

Georgia Power

CERTIFICATION PAGE

I hereby certify that this *Well Abandonment Report – Plant Branch Ash Ponds B, C, & D (AP-BCD)* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Geosyntec Consultants, Inc. and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

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



Date: April 17, 2026
Joseph Ivanowski, P.G.
Georgia Professional Geologist No. 2140
Principal Geologist
Geosyntec Consultants

Geosyntec consultants

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Attachment A Piezometer Abandonment Log

LIST OF ACRONYMS

AP	Ash Pond
CCR	coal combustion residuals
CFS	Civil Field Services
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
PVC	polyvinyl chloride
SCS	Southern Company Services

1. INTRODUCTION

Georgia Power Company's (Georgia Power) Plant Branch (Plant) is located in Putnam County near Milledgeville and Eatonton, Georgia. Over the course of power generation at the Plant, five Coal Combustion Residuals (CCR) ponds, identified as Ash Ponds A, B, C, D, and E were utilized. Ash Ponds B, C, and D (Site) are monitored collectively as a single groundwater monitoring unit (AP-BCD). This report provides details regarding the abandonment of one (1) temporary piezometer (PZ-79) installed in interstitial water at AP-D. PZ-79 was installed to provide additional data for the geochemical characterization and remedy selection efforts at the Site. As these efforts have been completed, the temporary piezometer is no longer required and has been abandoned in general accordance with the *Manual for Groundwater Monitoring* (GA EPD, 1991) and the *Georgia Water Well Standards Act* (OCGA § 12-5-120 through 138). Abandonment activities were performed by Cascade Drilling, Inc. and Southern Company Services (SCS) Civil Field Services (CFS).

2. PIEZOMETER ABANDONMENT

PZ-79 was abandoned by CFS on February 24, 2026. The work was completed under the supervision of a Geosyntec Consultants, Inc. (Geosyntec) staff member with direction and oversight from a Geosyntec professional geologist licensed in the State of Georgia, and was performed by a Georgia-licensed well driller.

The location of the abandoned piezometer is presented on **Figure 1**, and the well construction and abandonment details are summarized in **Table 1**. The temporary piezometer was constructed of 2-inch diameter polyvinyl chloride (PVC) well screen and riser installed in a 6-inch diameter borehole. PZ-79 was screened in CCR. The water level and total well depth were measured prior to abandonment of the piezometer. The piezometer was abandoned by placing cement/bentonite grout within the PVC well casing. After the well casing was grouted, the top 10 feet of casing (including approximately seven feet below ground surface and three feet of above ground stick-up casing) was removed from PZ-79 by unscrewing the upper PVC casing section. Final grouting was then conducted to seal the remaining PVC casing and open portion of the borehole by pouring cement/bentonite grout into the borehole and bringing the grout to ground surface. Surrounding material was subsequently used to restore the area.

PZ-79 was originally installed as a temporary piezometer and did not have a protective well covering, concrete pad, or bollards. The well abandonment form for the piezometer is provided in **Attachment A**.

3. REFERENCES

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

Official Code of Georgia Annotated, 1985. *O.C.G.A. § 12-5-120. Water Well Standards Act of 1985*.

TABLE

Table 1
Summary Details of Abandoned Piezometer
AP-BCD
Putnam County, Georgia

Well ID	Installation Date	Northing [1]	Easting [1]	Ground Surface Elevation[2] (ft NAVD88)	Top of Casing Elevation[2] (ft NAVD88)	Screen Interval Length (ft)	Well Depth (ft BTOC)[3]	Depth to Water (ft BTOC)	Abandonment Date	Estimated Grout Volume (gal)	Grout Volume Used (gal)
PZ-79	8/11/2023	1161183.81	2558276.62	396.97	400.02	10	19.24	9.85	2/24/2026	3	9

Notes:
ft = feet.
ft BTOC = feet below top of casing.
gal = US liquid gallon.

(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet.
(2) Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).
(3) Total well depth measured prior to well abandonment.

FIGURE



N

LEGEND

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



Notes:
1.Temporary Piezometer PZ-79 was abandoned February 24, 2026.
2. Property Boundary Provided by Southern Company Services.
3. Aerial: Nearmap Imagery, December 2024 and Georgia Power Company, June 2025.

0 150 300
Scale in Feet

TEMPORARY PIEZOMETER ABANDONMENT MAP

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

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | APRIL 2026

FIGURE 1

APPENDIX A

Piezometer Abandonment Log

Well Abandonment Field Form

Project Name: Plant Branch AP-BCD

Piezometer ID: PZ-79

Project No.: GW11514

Drilling Co.: Cascade Drilling

Geosyntec Rep: T. Kessler

Driller: N. Drew

Date of Abandonment: 2/24/2026

Abandonment Method (i.e. Grout in Place, Overdrill and Grout, etc.): Grout in place, unscrewed/removed top section of PVC casing/riser pipe to approximately 7 feet below ground surface.

Overdrill Method (i.e. Sonic, Hollow Stem Auger, Air Rotary, etc.): N/A

Guide Rod Used During Overdrill (yes or no): No

Diameter of Overdrill Casing/Auger/Bit: N/A – no overdrill required.

Total Depth: 19.24 ft from Top of Casing

Total Depth of Overdrill: N/A ft below ground surface

Length of Casing and Screen Removed: 10 ft of casing removed (approximately 7 ft below ground surface and 3 ft of above ground stick-up casing)

Total Volume of Grout Used:

Initial Grouting of Casing: Calculated: 3.14 gallons

Actual: 9 gallons

Final Grouting of Overdrilled Hole: N/A

Grout Mixture: 17.6:1 Cement/Bentonite

Cement Brand: Quikrete Type I/II Portland

Bentonite Brand: Wyo-Ben Extra High Yield Bentonite

Grout Settlement After 24 Hours: N/A

Water Level prior to abandonment: 9.85 ft below Top of Casing

Notes: No surface completion. Top section of riser pipe removed after grouting of casing. Additional grout used to top off borehole.

Prepared for

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

WELL ABANDONMENT REPORT

PLANT BRANCH ASH PONDS B, C, & D (AP-BCD)

Prepared by

Geosyntec consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number 26003347

July 2026

CERTIFICATION PAGE

I hereby certify that this *Well Abandonment Report – Plant Branch Ash Ponds B, C, & D (AP-BCD)* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Geosyntec Consultants, Inc. and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

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



Date: July 21, 2026
Joseph Ivanowski, P.G.
Georgia Professional Geologist No. 2140
Principal Geologist
Geosyntec Consultants

Geosyntec consultants

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Attachment A Well Abandonment Field Form

LIST OF ACRONYMS

AP	Ash Pond
CCR	coal combustion residuals
CFS	Civil Field Services
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
PVC	polyvinyl chloride
SCS	Southern Company Services

1. INTRODUCTION

Georgia Power Company's (Georgia Power) Plant Branch (Plant) is located in Putnam County near Milledgeville and Eatonton, Georgia. Over the course of power generation at the Plant, five Coal Combustion Residuals (CCR) ponds, identified as Ash Ponds A, B, C, D, and E were utilized. Ash Ponds B, C, and D (Site) are monitored collectively as a single groundwater monitoring unit (AP-BCD). This report provides details regarding the abandonment of one (1) detection monitoring well (BRGWA-23S) installed in PWR/Bedrock at AP-BCD. Due to declining water levels and the well purging dry during semiannual assessment monitoring activities, the monitoring well was abandoned in general accordance with the *Manual for Groundwater Monitoring* (GA EPD, 1991) and the *Georgia Water Well Standards Act* (OCGA § 12-5-120 through 138). Abandonment activities were performed by Southern Company Services (SCS) Civil Field Services (CFS).

2. WELL ABANDONMENT

BRGWA-23S was abandoned by CFS on May 26, 2026. The work was completed under the supervision of a Geosyntec Consultants, Inc. (Geosyntec) staff member with direction and oversight from a Geosyntec professional geologist licensed in the State of Georgia.

The location of the abandoned well is presented on **Figure 1**, and the well construction and abandonment details are summarized in **Table 1**. The well was constructed of 2-inch diameter polyvinyl chloride (PVC) well screen and riser installed in a nominal 6-inch diameter borehole. BRGWA-23S was screened in PWR/Bedrock. The water level and total well depth were measured prior to abandonment of the well. The well was abandoned by placing Aquaguard bentonite grout within the PVC well casing. After the well casing was grouted, the casing was cut 1 foot below ground surface. Final grouting was then conducted to seal the remaining PVC casing and open portion of the borehole by pouring Aquaguard bentonite grout into the borehole to ground surface. The volume of grout material used as well as the anticipated (calculated) volume is shown in **Table 1**. Once grouted, surface completions were removed and the surrounding material was used to restore the area.

The well abandonment form for the well is provided in **Attachment A**.

3. REFERENCES

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

Official Code of Georgia Annotated, 1985. *O.C.G.A. § 12-5-120. Water Well Standards Act of 1985*.

TABLE

Table 1
Summary Details of Abandoned Well
AP-BCD, Putnam County, Georgia

Well ID	Installation Date	Northing [1]	Easting [1]	Ground Surface Elevation[2] (ft)	Well Depth (ft BTOC)[3]	Depth to Water (ft BTOC)	Abandonment Date	Estimated Grout Volume (gal)	Grout Volume Used (gal)
BRGWA-23S	7/26/2016	1162971.70	2557868.10	425.50	44.10	42.60	5/26/2026	7.18	9.00

Notes:
ft = feet.
ft BTOC = feet below top of casing.
gal = US liquid gallon.
ID = Identification

(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet.
(2) Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).
(3) Total well depth measured prior to well abandonment.

FIGURE



N

LEGEND

- Abandoned Detection Monitoring Well
- Detection Monitoring Well
- Piezometer
- Plant Branch Property Boundary
- Approximate Ash Pond Boundary



Notes:
1. Detection Monitoring Well BRGWA-23S was abandoned May 26, 2026.
2. Property Boundary Provided by Southern Company Services.
3. Aerial: Georgia Power Company, January 2026.

0 250 500
Scale in Feet

MONITORING WELL ABANDONMENT MAP

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

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | JULY 2026

FIGURE 1

APPENDIX A

Well Abandonment Field Form

Well Abandonment Field Form

Project Name: GP-Plant Branch

Piezometer ID: BRGWA-23S

Project No.: 26003347

Drilling Co.: SCS/CFS

Geosyntec Rep: T. Kessler

Driller: S. Milam

Date of Abandonment: 5/26/2026

Abandonment Method (i.e. Grout in Place, Overdrill and Grout, etc.): Grout in place, cut 1 ft below ground surface

Overdrill Method (i.e. Sonic, Hollow Stem Auger, Air Rotary, etc.): N/A

Guide Rod Used During Overdrill (yes or no): N/A

Diameter of Overdrill Casing/Auger/Bit: N/A

Total Depth: 44.10 ft from Top of Casing

Total Depth of Overdrill: N/A ft below ground surface

Length of Casing and Screen Removed: N/A

Total Volume of Grout Used:

Initial Grouting of Casing: Calculated: 7.18 gallons

Actual: 9 gallons

Final Grouting of Overdrilled Hole: N/A

Grout Mixture: 14:1 Water (gallons)/Aquaguard (bag)

Cement Brand: N/A

Bentonite Brand: Aquaguard

Grout Settlement After 24 Hours: N/A

Water Level prior to abandonment: 42.60 ft below Top of Casing

Notes: Pump removed from well prior to abandonment

APPENDIX B

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	

Well Inspection

Site Name: Plant Branch

Date: 02/16/2026

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: 02/16/2026

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: 02/16/2026

Permit Number: APL1171, APL1172

Field Conditions: Fair, Dry

	Surface Pad			Internal Casing		
Well ID:	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: 02/16/2026

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: 02/16/2026

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: 02/16/2026

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: 02/16/2026

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: 02/16/2026

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: 02/16/2026

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: 02/16/2026

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: 02/16/2026

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: 02/16/2026

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 C

Laboratory Analytical Results and Field Sampling Forms

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

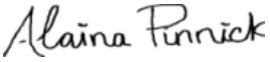
Analysis Methods and Analysis Dates

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

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

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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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-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

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-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
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. 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.)	(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						

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: 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	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.
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 Celcius
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

Discontinuation 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 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 - BCD
Work Order: 740272

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
740272001	BRA-BRGWC-27I	Ground Water	08/26/25 15:32	08/27/25 12:55
740272002	BRA-BRGWC-29I	Ground Water	08/26/25 14:08	08/27/25 12:55
740272003	BRA-BRGWC-32S	Ground Water	08/26/25 16:12	08/27/25 12:55
740272004	BRA-BRGWC-45	Ground Water	08/26/25 14:05	08/27/25 12:55
740272005	BRA-BRGWC-47	Ground Water	08/26/25 15:11	08/27/25 12:55
740272006	BRA-APBCD-FD-01	Ground Water	08/26/25 12:00	08/27/25 12:55
740272007	BRA-APBCD-FB-01	Water	08/26/25 14:55	08/27/25 12:55
740272008	BRA-APBCD-EB-04	Water	08/26/25 16:25	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

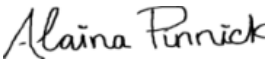
Method	Run Date ID
SW846 3005A	28-AUG-2025
SW846 7470A Prep	08-SEP-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	28-AUG-2025
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: 740272 GEL Work Order: 740272

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 - BCD

Client Sample ID:	BRA-BRGWC-27I	Project:	GPCC00325
Sample ID:	740272001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 15:32		
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		3.10	0.0670	0.200	mg/L		1	CH6	08/28/25	1821	2855236	1
Fluoride		0.186	0.0330	0.100	mg/L		1					
Sulfate		146	2.66	8.00	mg/L		20	CH6	08/29/25	0641	2855236	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	1040	2858248	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	09/10/25	0431	2854406	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0255	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		0.00291	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	J	0.00256	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.17	0.0520	0.150	mg/L	1.00	10	PRB	09/10/25	0528	2854406	5
Calcium		56.5	0.800	2.00	mg/L	1.00	10					
Molybdenum	J	0.000512	0.000200	0.00100	mg/L	1.00	1	PRB	09/11/25	0540	2854406	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		275	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	7

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

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 - BCD

Client Sample ID:	BRA-BRGWC-27I	Project:	GPCC00325
Sample ID:	740272001	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

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 - BCD

Client Sample ID:	BRA-BRGWC-29I	Project:	GPCC00325
Sample ID:	740272002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 14:08		
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		8.60	0.0670	0.200	mg/L		1	CH6	08/28/25	1953	2855236	1
Fluoride		0.109	0.0330	0.100	mg/L		1					
Sulfate		309	3.33	10.0	mg/L		25	CH6	08/29/25	0814	2855236	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	1042	2858248	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	09/10/25	0444	2854406	4
Arsenic	J	0.00273	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0159	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.000999	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		0.00587	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	J	0.00465	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.04	0.0520	0.150	mg/L	1.00	10	PRB	09/10/25	0549	2854406	5
Calcium		84.6	0.800	2.00	mg/L	1.00	10					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	PRB	09/11/25	0554	2854406	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		503	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	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	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 - BCD

Client Sample ID:	BRA-BRGWC-29I	Project:	GPCC00325
Sample ID:	740272002	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
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 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 - BCD

Client Sample ID:	BRA-BRGWC-32S	Project:	GPCC00325
Sample ID:	740272003	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 16:12		
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		4.04	0.0670	0.200	mg/L		1	CH6	08/28/25	2024	2855236	1
Fluoride	J	0.0564	0.0330	0.100	mg/L		1					
Sulfate		166	2.66	8.00	mg/L		20	CH6	08/29/25	0845	2855236	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	1043	2858248	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	09/10/25	0447	2854406	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0185	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00383	0.00300	0.0100	mg/L	1.00	1					
Selenium		0.0694	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.833	0.0520	0.150	mg/L	1.00	10	PRB	09/10/25	0553	2854406	5
Calcium		31.0	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0557	2854406	6
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		309	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	7

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 - BCD

Client Sample ID:	BRA-BRGWC-32S	Project:	GPCC00325
Sample ID:	740272003	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
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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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 - BCD

Client Sample ID: BRA-BRGWC-45
Sample ID: 740272004
Matrix: WG
Collect Date: 26-AUG-25 14:05
Receive Date: 27-AUG-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		18.3	0.134	0.400	mg/L		2	CH6	08/28/25	2055	2855236	1
Sulfate		277	2.66	8.00	mg/L		20	CH6	08/29/25	0916	2855236	2
Fluoride	J	0.0663	0.0330	0.100	mg/L		1	CH6	08/29/25	0947	2855236	3
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	1045	2858248	4
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	0450	2854406	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0676	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron		0.0598	0.00520	0.0150	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		0.00193	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		67.0	0.800	2.00	mg/L	1.00	10	PRB	09/10/25	0556	2854406	6
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	PRB	09/11/25	0600	2854406	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		527	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	8

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 - BCD

Client Sample ID:	BRA-BRGWC-45	Project:	GPCC00325
Sample ID:	740272004	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	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	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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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 - BCD

Client Sample ID: BRA-BRGWC-47
Sample ID: 740272005
Matrix: WG
Collect Date: 26-AUG-25 15:11
Receive Date: 27-AUG-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		4.88	0.0670	0.200	mg/L		1	CH6	08/28/25	2126	2855236	1
Fluoride	J	0.0971	0.0330	0.100	mg/L		1					
Sulfate		1220	13.3	40.0	mg/L		100	CH6	08/29/25	1017	2855236	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	1047	2858248	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	09/10/25	0458	2854406	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0280	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0469	0.00300	0.0100	mg/L	1.00	1					
Selenium	J	0.00175	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.647	0.0520	0.150	mg/L	1.00	10	PRB	09/10/25	0604	2854406	5
Calcium		304	0.800	2.00	mg/L	1.00	10					
Molybdenum	J	0.000245	0.000200	0.00100	mg/L	1.00	1	PRB	09/11/25	0608	2854406	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1940	4.76	20.0	mg/L			CH6	08/29/25	1031	2855116	7

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 - BCD

Client Sample ID:	BRA-BRGWC-47	Project:	GPCC00325
Sample ID:	740272005	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 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 - BCD

Client Sample ID:	BRA-APBCD-FD-01	Project:	GPCC00325
Sample ID:	740272006	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	26-AUG-25 12:00		
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		8.59	0.0670	0.200	mg/L		1	CH6	08/28/25	2157	2855236	1
Fluoride		0.108	0.0330	0.100	mg/L		1					
Sulfate		320	3.33	10.0	mg/L		25	CH6	08/29/25	2102	2855236	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	1048	2858248	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	09/10/25	0501	2854406	4
Arsenic	J	0.00294	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0159	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.000913	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		0.00589	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00305	0.00300	0.0100	mg/L	1.00	1					
Selenium		0.00500	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		1.06	0.0520	0.150	mg/L	1.00	10	PRB	09/10/25	0607	2854406	5
Calcium		85.3	0.800	2.00	mg/L	1.00	10					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1	PRB	09/11/25	0611	2854406	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		489	2.38	10.0	mg/L			CH6	08/29/25	1031	2855116	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	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 - BCD

Client Sample ID:	BRA-APBCD-FD-01	Project:	GPCC00325
Sample ID:	740272006	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
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 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 - BCD

Client Sample ID:	BRA-APBCD-FB-01	Project:	GPCC00325
Sample ID:	740272007	Client ID:	GPCC002
Matrix:	WQ		
Collect Date:	26-AUG-25 14:55		
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	U	ND	0.0670	0.200	mg/L		1	CH6	08/28/25	2329	2855236	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	1050	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	0504	2854406	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	J	0.00119	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Boron		0.0198	0.00520	0.0150	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	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	U	ND	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0613	2854406	4
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	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 - BCD

Client Sample ID:	BRA-APBCD-FB-01	Project:	GPCC00325
Sample ID:	740272007	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 - BCD

Client Sample ID: BRA-APBCD-EB-04
Sample ID: 740272008
Matrix: WQ
Collect Date: 26-AUG-25 16:25
Receive Date: 27-AUG-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	U	ND	0.0670	0.200	mg/L		1	CH6	08/29/25	0000	2855236	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	1052	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	0506	2854406	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					
Boron	J	0.00662	0.00520	0.0150	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	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	U	ND	0.0800	0.200	mg/L	1.00	1	PRB	09/11/25	0616	2854406	4
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	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 - BCD

Client Sample ID:	BRA-APBCD-EB-04	Project:	GPCC00325
Sample ID:	740272008	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: **740272**

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: **740272**

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: **740272**

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: **740272**

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: **740272**

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: **740272**

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: **740272**

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: **740272**

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.

Technical Case Narrative
Georgia Power Company
SDG #: 740272

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
740272001	BRA-BRGWC-27I
740272002	BRA-BRGWC-29I
740272003	BRA-BRGWC-32S
740272004	BRA-BRGWC-45
740272005	BRA-BRGWC-47
740272006	BRA-APBCD-FD-01
740272007	BRA-APBCD-FB-01
740272008	BRA-APBCD-EB-04
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

CRDL/PQL Requirements
The CRDL standard recoveries for SW846 6020B met the advisory control limits with the exception of calcium. Client sample concentrations were greater than two times the CRDL; therefore the data were not adversely affected. 740272001 (BRA-BRGWC-27I), 740272002 (BRA-BRGWC-29I), 740272005 (BRA-BRGWC-47) and 740272006 (BRA-APBCD-FD-01).

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 740272001 (BRA-BRGWC-27I), 740272002 (BRA-BRGWC-29I), 740272003 (BRA-BRGWC-32S), 740272004 (BRA-BRGWC-45), 740272005 (BRA-BRGWC-47) and 740272006 (BRA-APBCD-FD-01) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	740272					
	001	**002**	**003**	**004**	**005**	**006**
Boron	10X	10X	10X		10X	10X
Calcium	10X	10X		10X	10X	10X

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
740272001	BRA-BRGWC-27I
740272002	BRA-BRGWC-29I
740272003	BRA-BRGWC-32S
740272004	BRA-BRGWC-45
740272005	BRA-BRGWC-47
740272006	BRA-APBCD-FD-01
740272007	BRA-APBCD-FB-01
740272008	BRA-APBCD-EB-04
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
740272001	BRA-BRGWC-27I
740272002	BRA-BRGWC-29I
740272003	BRA-BRGWC-32S
740272004	BRA-BRGWC-45
740272005	BRA-BRGWC-47
740272006	BRA-APBCD-FD-01
740272007	BRA-APBCD-FB-01
740272008	BRA-APBCD-EB-04
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), 1206217896 (BRA-BRGWC-27IMS), 740272001 (BRA-BRGWC-27I), 740272002 (BRA-BRGWC-29I), 740272003 (BRA-BRGWC-32S), 740272004 (BRA-BRGWC-45), 740272005 (BRA-BRGWC-47) and 740272006 (BRA-APBCD-FD-01) were diluted because target analyte concentrations exceeded the calibration range.
Sample 740272004 (BRA-BRGWC-45) was diluted based on historical data. 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	740272					
	001	002	003	004	005	006
Chloride	1X	1X	1X	2X	1X	1X
Sulfate	20X	25X	20X	20X	100X	25X

Miscellaneous Information

Manual Integrations
Samples 740272003 (BRA-BRGWC-32S) and 740272004 (BRA-BRGWC-45) 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
740272001	BRA-BRGWC-27I
740272002	BRA-BRGWC-29I
740272003	BRA-BRGWC-32S
740272004	BRA-BRGWC-45
740272005	BRA-BRGWC-47
740272006	BRA-APBCD-FD-01
740272007	BRA-APBCD-FB-01
740272008	BRA-APBCD-EB-04
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.

Miscellaneous Information

Additional Comments
A TDS meter was used to check the sample for approximate concentration prior to analysis. 740272005 (BRA-BRGWC-47).

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
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

740272
740273

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: H. Auld, J. May, J. Benford, 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-27I	08/26/25	1532	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-29I	08/26/25	1408	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-32S	08/26/25	1612	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-45	08/26/25	1405	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-47	08/26/25	1511	G	N	WG			6	✓	✓	✓	
BRA- APBCD-FD-01	08/26/25	-	G	N	WG			6	✓	✓	✓	
BRA- APBCD-FB-01	08/26/25	1455	G	N	WQ			6	✓	✓	✓	
BRA- APBCD-EB-04	08/26/25	1625	G	N	WQ			6	✓	✓	✓	
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 H Auld	8-27-25	0820	1 Bobby Lyon	8.27.25	8:20
2 Bobby Lyon	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: 740277 740273 740274 740275

Received By: Stacy Boone

Date Received at GEL: Aug 27, 2025

GEL PM:

Carrier (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	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.
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): 0 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 Celcius
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: If Preservation added, Lot#:
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:
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

Continuation 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 17, 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 - BCD
Work Order: 740573

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 29, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was 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
740573001	BRA-BRGWA-23S	Ground Water	08/27/25 10:23	08/29/25 08:20

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	30-AUG-2025
SW846 7470A Prep	05-SEP-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	29-AUG-2025
SM 2540C	03-SEP-2025
SW846 3005A/6020B	11-SEP-2025
SW846 3005A/6020B	12-SEP-2025
SW846 3005A/6020B	16-SEP-2025
SW846 7470A	08-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

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: 740573 GEL Work Order: 740573

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

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 17, 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 - BCD

Client Sample ID: BRA-BRGWA-23S
Sample ID: 740573001
Matrix: WG
Collect Date: 27-AUG-25 10:23
Receive Date: 29-AUG-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		2.13	0.0670	0.200	mg/L		1	CWW	08/29/25	1942	2855970	1
Fluoride	J	0.0836	0.0330	0.100	mg/L		1					
Sulfate		11.5	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	JM13	09/08/25	1052	2858571	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1803	2855555	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0540	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000415	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					
Calcium		7.25	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1638	2855555	4
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1132	2855555	5
Boron		0.0257	0.00520	0.0150	mg/L	1.00	1					
Lithium		0.0102	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		107	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

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

Certificate of Analysis

Report Date: September 17, 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 - BCD

Client Sample ID:	BRA-BRGWA-23S	Project:	GPCC00325
Sample ID:	740573001	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	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

QC Summary

Report Date: September 17, 2025

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

Contact: **Joju Abraham**

Workorder: **740573**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2855970												
QC1206219318 740573001 DUP												
Chloride			2.13		2.13	mg/L	0.159			(0%-20%)	CWW	08/29/25 20:14
Fluoride		J	0.0836	J	0.0917	mg/L	9.24	^		(+/-0.100)		
Sulfate			11.5		11.5	mg/L	0.126			(0%-20%)		
QC1206219319 740584010 DUP												
Chloride			13.3		13.5	mg/L	1.75	^		(+/-4.00)		08/30/25 21:39
Fluoride			0.247		0.260	mg/L	4.98	^		(+/-0.100)		08/30/25 07:54
Sulfate			201		201	mg/L	0.331			(0%-20%)		08/30/25 21:39
QC1206219317 LCS												
Chloride	5.00				4.65	mg/L			93.1	(90%-110%)		08/29/25 19:10
Fluoride	2.50				2.37	mg/L			94.7	(90%-110%)		
Sulfate	10.0				9.50	mg/L			95	(90%-110%)		
QC1206219316 MB												
Chloride				U	ND	mg/L						08/29/25 18:39
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						

QC Summary

Workorder: **740573**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2855970											
QC1206219320 740573001 MS											
Chloride	5.00		2.13		6.88	mg/L		95	(90%-110%)	CWW	08/29/25 20:46
Fluoride	2.50	J	0.0836		2.48	mg/L		95.9	(90%-110%)		
Sulfate	10.0		11.5		21.4	mg/L		99.1	(90%-110%)		
QC1206219321 740584010 MS											
Chloride	100		13.3		103	mg/L		89.5*	(90%-110%)		08/30/25 22:11
Fluoride	2.50		0.247		2.63	mg/L		95.3	(90%-110%)		08/30/25 08:26
Sulfate	200		201		392	mg/L		95.1	(90%-110%)		08/30/25 22:11
Metals Analysis - ICPMS											
Batch 2855555											
QC1206218530 LCS											
Antimony	0.0500				0.0485	mg/L		96.9	(80%-120%)	JD2	09/11/25 18:01
Arsenic	0.0500				0.0504	mg/L		101	(80%-120%)		
Barium	0.0500				0.0536	mg/L		107	(80%-120%)		
Beryllium	0.0500				0.0551	mg/L		110	(80%-120%)		09/16/25 11:20
Boron	0.100				0.103	mg/L		103	(80%-120%)		
Cadmium	0.0500				0.0509	mg/L		102	(80%-120%)		09/11/25 18:01
Calcium	2.00				2.31	mg/L		116	(80%-120%)		09/12/25 16:22

QC Summary

Workorder: **740573**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855555										
Chromium	0.0500			0.0487	mg/L		97.4	(80%-120%)	JD2	09/12/25 16:22
Cobalt	0.0500			0.0505	mg/L		101	(80%-120%)		
Lead	0.0500			0.0483	mg/L		96.5	(80%-120%)		09/11/25 18:01
Lithium	0.0500			0.0528	mg/L		106	(80%-120%)		09/16/25 11:20
Molybdenum	0.0500			0.0499	mg/L		99.8	(80%-120%)		09/11/25 18:01
Selenium	0.0500			0.0493	mg/L		98.6	(80%-120%)		
Thallium	0.0500			0.0464	mg/L		92.8	(80%-120%)		
QC1206218529 MB										
Antimony			U	ND	mg/L					09/11/25 17:58
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					09/16/25 11:19
Boron			U	ND	mg/L					
Cadmium			U	ND	mg/L					09/11/25 17:58
Calcium			U	ND	mg/L					09/12/25 16:20

QC Summary

Workorder: **740573**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855555											
Chromium				U	ND	mg/L				JD2	09/12/25 16:20
Cobalt				U	ND	mg/L					
Lead				U	ND	mg/L					09/11/25 17:58
Lithium				U	ND	mg/L					09/16/25 11:19
Molybdenum				U	ND	mg/L					09/11/25 17:58
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206218531 740573001 MS											
Antimony	0.0500	U	ND		0.0478	mg/L		95.4	(75%-125%)		09/11/25 18:06
Arsenic	0.0500	U	ND		0.0506	mg/L		97.9	(75%-125%)		
Barium	0.0500		0.0540		0.105	mg/L		102	(75%-125%)		
Beryllium	0.0500	U	ND		0.0568	mg/L		114	(75%-125%)		09/16/25 11:33
Boron	0.100		0.0257		0.132	mg/L		106	(75%-125%)		
Cadmium	0.0500	U	ND		0.0507	mg/L		101	(75%-125%)		09/11/25 18:06
Calcium	2.00		7.25		9.52	mg/L		114	(75%-125%)		09/12/25 16:39

QC Summary

Workorder: **740573**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855555											
Chromium	0.0500	U	ND		0.0500	mg/L		95.7	(75%-125%)	JD2	09/12/25 16:39
Cobalt	0.0500	U	ND		0.0495	mg/L		98.8	(75%-125%)		
Lead	0.0500	U	ND		0.0477	mg/L		95	(75%-125%)		09/11/25 18:06
Lithium	0.0500		0.0102		0.0645	mg/L		109	(75%-125%)		09/16/25 11:33
Molybdenum	0.0500	J	0.000415		0.0517	mg/L		103	(75%-125%)		09/11/25 18:06
Selenium	0.0500	U	ND		0.0499	mg/L		98.2	(75%-125%)		
Thallium	0.0500	U	ND		0.0454	mg/L		90.7	(75%-125%)		
QC1206218532 740573001 MSD											
Antimony	0.0500	U	ND		0.0489	mg/L	2.3	97.6	(0%-20%)		09/11/25 18:09
Arsenic	0.0500	U	ND		0.0507	mg/L	0.103	98	(0%-20%)		
Barium	0.0500		0.0540		0.107	mg/L	1.97	106	(0%-20%)		
Beryllium	0.0500	U	ND		0.0585	mg/L	2.96	117	(0%-20%)		09/16/25 11:34
Boron	0.100		0.0257		0.135	mg/L	2.31	109	(0%-20%)		
Cadmium	0.0500	U	ND		0.0506	mg/L	0.0573	101	(0%-20%)		09/11/25 18:09
Calcium	2.00		7.25		9.46	mg/L	0.643	111	(0%-20%)		09/12/25 16:40

QC Summary

Workorder: **740573**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855555											
Chromium	0.0500	U	ND		0.0510	mg/L	1.91	97.6	(0%-20%)	JD2	09/12/25 16:40
Cobalt	0.0500	U	ND		0.0504	mg/L	1.72	101	(0%-20%)		
Lead	0.0500	U	ND		0.0481	mg/L	0.699	95.7	(0%-20%)		09/11/25 18:09
Lithium	0.0500		0.0102		0.0665	mg/L	3.1	113	(0%-20%)		09/16/25 11:34
Molybdenum	0.0500	J	0.000415		0.0517	mg/L	0.0503	103	(0%-20%)		09/11/25 18:09
Selenium	0.0500	U	ND		0.0497	mg/L	0.448	97.8	(0%-20%)		
Thallium	0.0500	U	ND		0.0459	mg/L	1.07	91.7	(0%-20%)		
QC1206218534 740573001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			54.0		11.1	ug/L	2.7		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/16/25 11:36
Boron			25.7	J	6.15	ug/L	19.7		(0%-20%)		
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Calcium			7250		1500	ug/L	3.33		(0%-20%)		09/12/25 16:43

QC Summary

Workorder: **740573**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855555										
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)	JD2	09/12/25 16:43
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Lithium		10.2	U	ND	ug/L	N/A		(0%-20%)		09/16/25 11:36
Molybdenum	J	0.415	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2858571										
QC1206224391 741344001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JM13	09/08/25 11:28
QC1206224390 LCS										
Mercury 0.00200				0.00173	mg/L		86.5	(80%-120%)		09/08/25 10:50
QC1206224389 MB										
Mercury			U	ND	mg/L					09/08/25 10:49
QC1206224392 741344001 MS										
Mercury 0.00200	U	ND		0.00178	mg/L		88.9	(75%-125%)		09/08/25 11:30

QC Summary

Workorder: **740573**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2856612										
QC1206220850 740589001 DUP										
Total Dissolved Solids		751		732	mg/L	2.56		(0%-5%)	SC1	09/03/25 10:01
QC1206220848 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/03/25 10:01
QC1206220847 MB										
Total Dissolved Solids			U	ND	mg/L					09/03/25 10:01

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.
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.

QC Summary

Workorder: **740573**

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

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: 2855555

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2855554

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

GEL Sample ID#	Client Sample Identification
740573001	BRA-BRGWA-23S
1206218529	Method Blank (MB)**ICP-MS**
1206218530	Laboratory Control Sample (LCS)
1206218534	740573001(BRA-BRGWA-23SL) Serial Dilution (SD)
1206218531	740573001(BRA-BRGWA-23SS) Matrix Spike (MS)
1206218532	740573001(BRA-BRGWA-23SSD) 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: 2858571

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2858570

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

GEL Sample ID#	Client Sample Identification

740573001	BRA-BRGWA-23S
1206224389	Method Blank (MB)**CVAA**
1206224390	Laboratory Control Sample (LCS)
1206224391	741344001(NonSDGD) Sample Duplicate (DUP)
1206224392	741344001(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: 2855970

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

GEL Sample ID#	Client Sample Identification
740573001	BRA-BRGWA-23S
1206219316	Method Blank (MB)
1206219317	Laboratory Control Sample (LCS)
1206219318	740573001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206219319	740584010(BRA-BRGWC-25I) Sample Duplicate (DUP)
1206219320	740573001(BRA-BRGWA-23S) Matrix Spike (MS)
1206219321	740584010(BRA-BRGWC-25I) 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
Chloride	1206219321 (BRA-BRGWC-25IMS)	89.5* (90%-110%)

Technical Information

Sample Dilutions

The following samples 1206219319 (BRA-BRGWC-25IDUP) and 1206219321 (BRA-BRGWC-25IMS) 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 1206219318 (BRA-BRGWA-23SDUP), 1206219320 (BRA-BRGWA-23SMS) and 740573001 (BRA-BRGWA-23S) 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: 2856612

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

GEL Sample ID#	Client Sample Identification
740573001	BRA-BRGWA-23S
1206220847	Method Blank (MB)
1206220848	Laboratory Control Sample (LCS)
1206220850	740589001(BRA-PZ-83I) 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.

740573
740574

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

GEL Laboratories LLC
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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 ~~Upgradient~~ BCD (346)
Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: H. Auld J. May 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- 3RGWA-23S	08/27/25	1023	G	N	WG			6	✓	✓	✓	
~~BRA- BRGWC-30I~~	~~08/27/25~~	~~1010~~	~~G~~	~~N~~	~~WG~~			6	✓	✓	✓	
~~BRA- BRGWC-44~~	~~08/27/25~~	~~1122~~	~~G~~	~~N~~	~~WG~~			6	✓	✓	✓	
BRA-												
BRA-												
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		8/27/25	0820		8/27/25	820
2						
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:* 3-6 °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.)

740573 740584
740574 740586
740577 740589

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

740579

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AP

Received By: KE | Date Received at GEL: 08/29/25

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

IR Temp gun # IR1-25 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).
Cooler #1	4°		cooler #6	4°	
Cooler #2	4°		Cooler #7	5°	
Cooler #3	4°				
cooler #4	6°				
Cooler #5	3°				

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 VM Date 9/3/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 17 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 03, 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-Background
Work Order: 740577

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 29, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 740577 in the left-hand footer of the data report. Revision 01 updates work order task code and matrix code for blank samples.

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
740577001	BRA-PZ-81	Ground Water	08/27/25 13:40	08/29/25 08:20
740577002	BRA-APBCD-FD-20	Ground Water	08/27/25 12:00	08/29/25 08:20
740577003	BRA-APBCD-FB-21	Water	08/27/25 16:00	08/29/25 08:20
740577004	BRA-PZ-80	Ground Water	08/28/25 10:09	08/29/25 08:20
740577005	BRA-APBCD-EB-22	Water	08/28/25 10:30	08/29/25 08:20

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	30-AUG-2025
SW846 7470A Prep	05-SEP-2025

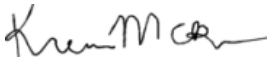
Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	29-AUG-2025

EPA 300.0	30-AUG-2025
SM 2540C	03-SEP-2025
SM 2540C	04-SEP-2025
SW846 3005A/6020B	11-SEP-2025
SW846 3005A/6020B	12-SEP-2025
SW846 3005A/6020B	16-SEP-2025
SW846 7470A	08-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: 740577 GEL Work Order: 740577

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

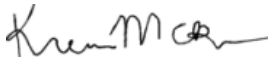
J Value is estimated

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

Report Date: October 3, 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-Background

Client Sample ID: BRA-PZ-81
Sample ID: 740577001
Matrix: WG
Collect Date: 27-AUG-25 13:40
Receive Date: 29-AUG-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		7.56	0.0670	0.200	mg/L		1	CWW	08/29/25	2117	2855970	1
Fluoride	J	0.0961	0.0330	0.100	mg/L		1					
Sulfate		301	3.33	10.0	mg/L		25	CWW	08/30/25	0930	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1054	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1817	2855555	4
Arsenic	J	0.00213	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0390	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000299	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					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1645	2855555	5
Cobalt		0.00970	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1137	2855555	6
Boron		0.108	0.00520	0.0150	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Calcium		53.7	0.800	2.00	mg/L	1.00	10	JD2	09/12/25	1632	2855555	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		501	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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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-Background

Client Sample ID:	BRA-PZ-81	Project:	GPCC00325
Sample ID:	740577001	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	SW846 3005A/6020B	
8	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: October 3, 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-Background

Client Sample ID:	BRA-APBCD-FD-20	Project:	GPCC00325
Sample ID:	740577002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	27-AUG-25 12:00		
Receive Date:	29-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		7.56	0.0670	0.200	mg/L		1	CWW	08/29/25	2149	2855970	1
Fluoride		0.101	0.0330	0.100	mg/L		1					
Sulfate		303	3.33	10.0	mg/L		25	CWW	08/30/25	1002	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1055	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1820	2855555	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0384	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000317	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					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1646	2855555	5
Cobalt		0.00944	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1138	2855555	6
Boron		0.114	0.00520	0.0150	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Calcium		55.1	0.800	2.00	mg/L	1.00	10	JD2	09/12/25	1633	2855555	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		503	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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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-Background

Client Sample ID:	BRA-APBCD-FD-20	Project:	GPCC00325
Sample ID:	740577002	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	SW846 3005A/6020B	
8	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: October 3, 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-Background

Client Sample ID: BRA-APBCD-FB-21
Sample ID: 740577003
Matrix: WQ
Collect Date: 27-AUG-25 16:00
Receive Date: 29-AUG-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	U	ND	0.0670	0.200	mg/L		1	CWW	08/29/25	2221	2855970	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	JM13	09/08/25	1057	2858571	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1828	2855555	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					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	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					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1623	2855555	4
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1121	2855555	5
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	J	4.00	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

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

Client Sample ID:	BRA-APBCD-FB-21	Project:	GPCC00325
Sample ID:	740577003	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	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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Report Date: October 3, 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-Background

Client Sample ID: BRA-PZ-80
Sample ID: 740577004
Matrix: WG
Collect Date: 28-AUG-25 10:09
Receive Date: 29-AUG-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		4.61	0.0670	0.200	mg/L		1	CWW	08/29/25	2253	2855970	1
Fluoride		0.280	0.0330	0.100	mg/L		1					
Sulfate		29.3	0.266	0.800	mg/L		2	CWW	08/30/25	1517	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1102	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1830	2855555	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0137	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.00262	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					
Calcium		24.1	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1648	2855555	5
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000848	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1139	2855555	6
Boron		0.0262	0.00520	0.0150	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		270	2.38	10.0	mg/L			SC1	09/04/25	1450	2857715	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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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-Background

Client Sample ID:	BRA-PZ-80	Project:	GPCC00325
Sample ID:	740577004	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: October 3, 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-Background

Client Sample ID: BRA-APBCD-EB-22
Sample ID: 740577005
Matrix: WQ
Collect Date: 28-AUG-25 10:30
Receive Date: 29-AUG-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	U	ND	0.0670	0.200	mg/L		1	CWW	08/29/25	2325	2855970	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	JM13	09/08/25	1104	2858571	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1833	2855555	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					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	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					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1625	2855555	4
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1122	2855555	5
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/04/25	1450	2857715	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

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Report Date: October 3, 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-Background

Client Sample ID:	BRA-APBCD-EB-22	Project:	GPCC00325
Sample ID:	740577005	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	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

QC Summary

Report Date: October 3, 2025

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

Contact: **Joju Abraham**

Workorder: **740577**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2855970												
QC1206219318 740573001 DUP												
Chloride			2.13		2.13	mg/L	0.159			(0%-20%)	CWW	08/29/25 20:14
Fluoride		J	0.0836	J	0.0917	mg/L	9.24	^		(+/-0.100)		
Sulfate			11.5		11.5	mg/L	0.126			(0%-20%)		
QC1206219319 740584010 DUP												
Chloride			13.3		13.5	mg/L	1.75	^		(+/-4.00)		08/30/25 21:39
Fluoride			0.247		0.260	mg/L	4.98	^		(+/-0.100)		08/30/25 07:54
Sulfate			201		201	mg/L	0.331			(0%-20%)		08/30/25 21:39
QC1206219317 LCS												
Chloride	5.00				4.65	mg/L			93.1	(90%-110%)		08/29/25 19:10
Fluoride	2.50				2.37	mg/L			94.7	(90%-110%)		
Sulfate	10.0				9.50	mg/L			95	(90%-110%)		
QC1206219316 MB												
Chloride				U	ND	mg/L						08/29/25 18:39
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						

QC Summary

Workorder: **740577**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2855970											
QC1206219320 740573001 MS											
Chloride	5.00		2.13		6.88	mg/L		95	(90%-110%)	CWW	08/29/25 20:46
Fluoride	2.50	J	0.0836		2.48	mg/L		95.9	(90%-110%)		
Sulfate	10.0		11.5		21.4	mg/L		99.1	(90%-110%)		
QC1206219321 740584010 MS											
Chloride	100		13.3		103	mg/L		89.5*	(90%-110%)		08/30/25 22:11
Fluoride	2.50		0.247		2.63	mg/L		95.3	(90%-110%)		08/30/25 08:26
Sulfate	200		201		392	mg/L		95.1	(90%-110%)		08/30/25 22:11
Metals Analysis - ICPMS											
Batch 2855555											
QC1206218530 LCS											
Antimony	0.0500				0.0485	mg/L		96.9	(80%-120%)	JD2	09/11/25 18:01
Arsenic	0.0500				0.0504	mg/L		101	(80%-120%)		
Barium	0.0500				0.0536	mg/L		107	(80%-120%)		
Beryllium	0.0500				0.0551	mg/L		110	(80%-120%)		09/16/25 11:20
Boron	0.100				0.103	mg/L		103	(80%-120%)		
Cadmium	0.0500				0.0509	mg/L		102	(80%-120%)		09/11/25 18:01
Calcium	2.00				2.31	mg/L		116	(80%-120%)		09/12/25 16:22

QC Summary

Workorder: **740577**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855555										
Chromium	0.0500			0.0487	mg/L		97.4	(80%-120%)	JD2	09/12/25 16:22
Cobalt	0.0500			0.0505	mg/L		101	(80%-120%)		
Lead	0.0500			0.0483	mg/L		96.5	(80%-120%)		09/11/25 18:01
Lithium	0.0500			0.0528	mg/L		106	(80%-120%)		09/16/25 11:20
Molybdenum	0.0500			0.0499	mg/L		99.8	(80%-120%)		09/11/25 18:01
Selenium	0.0500			0.0493	mg/L		98.6	(80%-120%)		
Thallium	0.0500			0.0464	mg/L		92.8	(80%-120%)		
QC1206218529 MB										
Antimony			U	ND	mg/L					09/11/25 17:58
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					09/16/25 11:19
Boron			U	ND	mg/L					
Cadmium			U	ND	mg/L					09/11/25 17:58
Calcium			U	ND	mg/L					09/12/25 16:20

QC Summary

Workorder: **740577**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855555											
Chromium				U	ND	mg/L				JD2	09/12/25 16:20
Cobalt				U	ND	mg/L					
Lead				U	ND	mg/L					09/11/25 17:58
Lithium				U	ND	mg/L					09/16/25 11:19
Molybdenum				U	ND	mg/L					09/11/25 17:58
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206218531 740573001 MS											
Antimony	0.0500	U	ND		0.0478	mg/L		95.4	(75%-125%)		09/11/25 18:06
Arsenic	0.0500	U	ND		0.0506	mg/L		97.9	(75%-125%)		
Barium	0.0500		0.0540		0.105	mg/L		102	(75%-125%)		
Beryllium	0.0500	U	ND		0.0568	mg/L		114	(75%-125%)		09/16/25 11:33
Boron	0.100		0.0257		0.132	mg/L		106	(75%-125%)		
Cadmium	0.0500	U	ND		0.0507	mg/L		101	(75%-125%)		09/11/25 18:06
Calcium	2.00		7.25		9.52	mg/L		114	(75%-125%)		09/12/25 16:39

QC Summary

Workorder: **740577**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855555											
Chromium	0.0500	U	ND		0.0500	mg/L		95.7	(75%-125%)	JD2	09/12/25 16:39
Cobalt	0.0500	U	ND		0.0495	mg/L		98.8	(75%-125%)		
Lead	0.0500	U	ND		0.0477	mg/L		95	(75%-125%)		09/11/25 18:06
Lithium	0.0500		0.0102		0.0645	mg/L		109	(75%-125%)		09/16/25 11:33
Molybdenum	0.0500	J	0.000415		0.0517	mg/L		103	(75%-125%)		09/11/25 18:06
Selenium	0.0500	U	ND		0.0499	mg/L		98.2	(75%-125%)		
Thallium	0.0500	U	ND		0.0454	mg/L		90.7	(75%-125%)		
QC1206218532 740573001 MSD											
Antimony	0.0500	U	ND		0.0489	mg/L	2.3	97.6	(0%-20%)		09/11/25 18:09
Arsenic	0.0500	U	ND		0.0507	mg/L	0.103	98	(0%-20%)		
Barium	0.0500		0.0540		0.107	mg/L	1.97	106	(0%-20%)		
Beryllium	0.0500	U	ND		0.0585	mg/L	2.96	117	(0%-20%)		09/16/25 11:34
Boron	0.100		0.0257		0.135	mg/L	2.31	109	(0%-20%)		
Cadmium	0.0500	U	ND		0.0506	mg/L	0.0573	101	(0%-20%)		09/11/25 18:09
Calcium	2.00		7.25		9.46	mg/L	0.643	111	(0%-20%)		09/12/25 16:40

QC Summary

Workorder: **740577**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855555											
Chromium	0.0500	U	ND		0.0510	mg/L	1.91	97.6	(0%-20%)	JD2	09/12/25 16:40
Cobalt	0.0500	U	ND		0.0504	mg/L	1.72	101	(0%-20%)		
Lead	0.0500	U	ND		0.0481	mg/L	0.699	95.7	(0%-20%)		09/11/25 18:09
Lithium	0.0500		0.0102		0.0665	mg/L	3.1	113	(0%-20%)		09/16/25 11:34
Molybdenum	0.0500	J	0.000415		0.0517	mg/L	0.0503	103	(0%-20%)		09/11/25 18:09
Selenium	0.0500	U	ND		0.0497	mg/L	0.448	97.8	(0%-20%)		
Thallium	0.0500	U	ND		0.0459	mg/L	1.07	91.7	(0%-20%)		
QC1206218534 740573001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			54.0		11.1	ug/L	2.7		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/16/25 11:36
Boron			25.7	J	6.15	ug/L	19.7		(0%-20%)		
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Calcium			7250		1500	ug/L	3.33		(0%-20%)		09/12/25 16:43

QC Summary

Workorder: **740577**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855555										
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)	JD2	09/12/25 16:43
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Lithium		10.2	U	ND	ug/L	N/A		(0%-20%)		09/16/25 11:36
Molybdenum	J	0.415	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2858571										
QC1206224391 741344001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JM13	09/08/25 11:28
QC1206224390 LCS										
Mercury 0.00200				0.00173	mg/L		86.5	(80%-120%)		09/08/25 10:50
QC1206224389 MB										
Mercury			U	ND	mg/L					09/08/25 10:49
QC1206224392 741344001 MS										
Mercury 0.00200	U	ND		0.00178	mg/L		88.9	(75%-125%)		09/08/25 11:30

QC Summary

Workorder: **740577**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2856612										
QC1206220850 740589001 DUP										
Total Dissolved Solids		751		732	mg/L	2.56		(0%-5%)	SC1	09/03/25 10:01
QC1206220848 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/03/25 10:01
QC1206220847 MB										
Total Dissolved Solids			U	ND	mg/L					09/03/25 10:01
Batch 2857715										
QC1206222978 740874002 DUP										
Total Dissolved Solids		173		164	mg/L	5.34 *		(0%-5%)	SC1	09/04/25 14:50
QC1206222977 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/04/25 14:50
QC1206222976 MB										
Total Dissolved Solids			U	ND	mg/L					09/04/25 14:50

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: **740577**

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 #: 740577

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2855555

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2855554

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

GEL Sample ID#	Client Sample Identification
740577001	BRA-PZ-81
740577002	BRA-APBCD-FD-20
740577003	BRA-APBCD-FB-21
740577004	BRA-PZ-80
740577005	BRA-APBCD-EB-22
1206218529	Method Blank (MB)**ICP-MS**
1206218530	Laboratory Control Sample (LCS)
1206218534	740573001(BRA-BRGWA-23SL) Serial Dilution (SD)
1206218531	740573001(BRA-BRGWA-23SS) Matrix Spike (MS)
1206218532	740573001(BRA-BRGWA-23SSD) 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 740577001 (BRA-PZ-81) and 740577002 (BRA-APBCD-FD-20) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	740577	
	001	002

Calcium	10X	10X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2858571

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2858570

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

GEL Sample ID#	Client Sample Identification
740577001	BRA-PZ-81
740577002	BRA-APBCD-FD-20
740577003	BRA-APBCD-FB-21
740577004	BRA-PZ-80
740577005	BRA-APBCD-EB-22
1206224389	Method Blank (MB)**CVAA**
1206224390	Laboratory Control Sample (LCS)
1206224391	741344001(NonSDGD) Sample Duplicate (DUP)
1206224392	741344001(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: 2855970

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

GEL Sample ID#	Client Sample Identification
740577001	BRA-PZ-81
740577002	BRA-APBCD-FD-20
740577003	BRA-APBCD-FB-21
740577004	BRA-PZ-80
740577005	BRA-APBCD-EB-22
1206219316	Method Blank (MB)
1206219317	Laboratory Control Sample (LCS)
1206219318	740573001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206219319	740584010(BRA-BRGWC-25I) Sample Duplicate (DUP)

1206219320	740573001(BRA-BRGWA-23S) Matrix Spike (MS)
1206219321	740584010(BRA-BRGWC-25I) 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
Chloride	1206219321 (BRA-BRGWC-25IMS)	89.5* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1206219319 (BRA-BRGWC-25IDUP), 1206219321 (BRA-BRGWC-25IMS), 740577001 (BRA-PZ-81), 740577002 (BRA-APBCD-FD-20) and 740577004 (BRA-PZ-80) 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	740577		
	001	002	004
Sulfate	25X	25X	2X

Miscellaneous Information

Manual Integrations
Samples 1206219318 (BRA-BRGWA-23SDUP), 1206219320 (BRA-BRGWA-23SMS) and 740577004 (BRA-PZ-80) 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: 2856612

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

GEL Sample ID#	Client Sample Identification
740577001	BRA-PZ-81
740577002	BRA-APBCD-FD-20
740577003	BRA-APBCD-FB-21
1206220847	Method Blank (MB)

1206220848	Laboratory Control Sample (LCS)
1206220850	740589001(BRA-PZ-83I) 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: 2857715

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

GEL Sample ID#	Client Sample Identification
740577004	BRA-PZ-80
740577005	BRA-APBCD-EB-22
1206222976	Method Blank (MB)
1206222977	Laboratory Control Sample (LCS)
1206222978	740874002(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

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206222978 (Non SDG 740874002DUP)	5.34* (0%-5%)

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.

740577 • 740579

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

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - Background | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: H. Hunt & J. May | 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- PZ-81	08/27/25	1340	G	N	WG			6	✓	✓	✓	
BRA - APBCD - FD-20	08/27/25	-	G	N	WG			6	✓	✓	✓	
BRA - APBCD - FB-21	08/27/25	1600	G	N	WQ			6	✓	✓	✓	
BRA - PZ-80	08/28/25	1009	G	N	WG			6	✓	✓	✓	
BRA - APBCD - EB-22	08/28/25	1030	G	N	WQ			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-OTH-20250827

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		8/29/25	0820		8/29/25	820
2						
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* 3-6 °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.)

740573 740584
740574 740586
740577 740589

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 740579	GEL PM: AP
Received By: KE	Date Received at GEL: 08/29/25	

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

IR Temp gun # IR1-25 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).
Cooler #1	4°		cooler #6	4°	
Cooler #2	4°		cooler #7	5°	
Cooler #3	4°				
cooler #4	6°				
Cooler #5	3°				

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 VM Date 9/3/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 03 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

GEL Laboratories LLC
a member of The GEL Group INC

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

October 03, 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-BCD
Work Order: 740584

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 29, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 740584 in the left-hand footer of the data report. Revision 01 updates work order task code and matrix code for blank samples.

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
740584001	BRA-BRGWC-30I	Ground Water	08/27/25 10:10	08/29/25 08:20
740584002	BRA-BRGWC-44	Ground Water	08/27/25 11:22	08/29/25 08:20
740584003	BRA-BRGWC-52I	Ground Water	08/27/25 14:00	08/29/25 08:20
740584004	BRA-PZ-63I	Ground Water	08/27/25 16:30	08/29/25 08:20
740584005	BRA-PZ-68D	Ground Water	08/27/25 09:17	08/29/25 08:20
740584006	BRA-PZ-74I	Ground Water	08/27/25 14:56	08/29/25 08:20
740584007	BRA-PZ-75I	Ground Water	08/27/25 12:04	08/29/25 08:20
740584008	BRA-APBCD-FD-02	Ground Water	08/27/25 12:00	08/29/25 08:20
740584009	BRA-APBCD-EB-05	Water	08/27/25 16:25	08/29/25 08:20
740584010	BRA-BRGWC-25I	Ground Water	08/28/25 10:07	08/29/25 08:20
740584011	BRA-APBCD-FB-02	Water	08/28/25 09:55	08/29/25 08:20

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

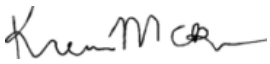
Method	Run Date ID
SW846 3005A	02-SEP-2025
SW846 7470A Prep	05-SEP-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	30-AUG-2025
SM 2540C	03-SEP-2025
SM 2540C	04-SEP-2025
SW846 3005A/6020B	11-SEP-2025
SW846 3005A/6020B	12-SEP-2025
SW846 3005A/6020B	16-SEP-2025
SW846 7470A	08-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: 740584 GEL Work Order: 740584

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

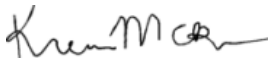
N/A RPD or %Recovery limits do not apply.

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 

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

Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID: BRA-BRGWC-30I
Sample ID: 740584001
Matrix: WG
Collect Date: 27-AUG-25 10:10
Receive Date: 29-AUG-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		2.76	0.0670	0.200	mg/L		1	CWW	08/30/25	0100	2855970	1
Fluoride		0.149	0.0330	0.100	mg/L		1					
Sulfate		1290	26.6	80.0	mg/L		200	CWW	08/30/25	1548	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1105	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1707	2855553	4
Arsenic	J	0.00408	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0343	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.00119	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					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1555	2855553	5
Cobalt		0.00236	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1157	2855553	6
Lithium		0.0314	0.00300	0.0100	mg/L	1.00	1					
Boron		1.75	0.104	0.300	mg/L	1.00	20	JD2	09/12/25	1532	2855553	7
Calcium		493	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2200	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552

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

Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-BRGWC-30I	Project:	GPCC00325
Sample ID:	740584001	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-BRGWC-44
Sample ID: 740584002
Matrix: WG
Collect Date: 27-AUG-25 11:22
Receive Date: 29-AUG-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		6.58	0.0670	0.200	mg/L		1	CWW	08/30/25	0204	2855970	1
Fluoride		0.107	0.0330	0.100	mg/L		1					
Sulfate		42.0	0.532	1.60	mg/L		4	CWW	08/30/25	1620	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1107	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1720	2855553	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0561	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	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					
Calcium		26.7	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1603	2855553	5
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1204	2855553	6
Lithium		0.0154	0.00300	0.0100	mg/L	1.00	1					
Boron		0.980	0.104	0.300	mg/L	1.00	20	JD2	09/12/25	1538	2855553	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		176	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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

Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-BRGWC-44	Project:	GPCC00325
Sample ID:	740584002	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-BRGWC-52I
Sample ID: 740584003
Matrix: WG
Collect Date: 27-AUG-25 14:00
Receive Date: 29-AUG-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		6.96	0.0670	0.200	mg/L		1	CWW	08/30/25	0236	2855970	1
Fluoride	J	0.0985	0.0330	0.100	mg/L		1					
Sulfate		150	1.33	4.00	mg/L		10	CWW	08/30/25	1652	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1108	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1723	2855553	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0557	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000863	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					
Calcium		42.5	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1604	2855553	5
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1205	2855553	6
Lithium		0.0154	0.00300	0.0100	mg/L	1.00	1					
Boron		1.42	0.104	0.300	mg/L	1.00	20	JD2	09/12/25	1540	2855553	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		308	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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

Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-BRGWC-52I	Project:	GPCC00325
Sample ID:	740584003	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	SW846 3005A/6020B	
8	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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID: BRA-PZ-63I
Sample ID: 740584004
Matrix: WG
Collect Date: 27-AUG-25 16:30
Receive Date: 29-AUG-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		8.33	0.0670	0.200	mg/L		1	CWW	08/30/25	0308	2855970	1
Fluoride		0.141	0.0330	0.100	mg/L		1					
Sulfate		436	6.65	20.0	mg/L		50	CWW	08/30/25	1724	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1110	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1731	2855553	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0210	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000704	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					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1609	2855553	5
Cobalt		0.0408	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1206	2855553	6
Lithium	J	0.00692	0.00300	0.0100	mg/L	1.00	1					
Boron		0.611	0.0520	0.150	mg/L	1.00	10	JD2	09/12/25	1541	2855553	7
Calcium		77.3	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		712	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-PZ-63I	Project:	GPCC00325
Sample ID:	740584004	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-PZ-68D
Sample ID: 740584005
Matrix: WG
Collect Date: 27-AUG-25 09:17
Receive Date: 29-AUG-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		0.114	0.0330	0.100	mg/L		1	CWW	08/30/25	0340	2855970	1
Chloride		15.1	1.34	4.00	mg/L		20	CWW	08/30/25	1756	2855970	2
Sulfate		288	2.66	8.00	mg/L		20					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1112	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1734	2855553	4
Arsenic	J	0.00211	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0959	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.00499	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					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1610	2855553	5
Cobalt	J	0.000600	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1207	2855553	6
Lithium	J	0.00448	0.00300	0.0100	mg/L	1.00	1					
Boron		0.326	0.0520	0.150	mg/L	1.00	10	JD2	09/12/25	1545	2855553	7
Calcium		95.2	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		591	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-PZ-68D	Project:	GPCC00325
Sample ID:	740584005	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-PZ-74I
Sample ID: 740584006
Matrix: WG
Collect Date: 27-AUG-25 14:56
Receive Date: 29-AUG-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	0.0901	0.0330	0.100	mg/L		1	CWW	08/30/25	0411	2855970	1
Chloride		11.6	1.34	4.00	mg/L		20	CWW	08/30/25	1828	2855970	2
Sulfate		252	2.66	8.00	mg/L		20					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1113	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1736	2855553	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0235	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.0696	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1611	2855553	5
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1208	2855553	6
Lithium	J	0.00759	0.00300	0.0100	mg/L	1.00	1					
Boron		1.16	0.0520	0.150	mg/L	1.00	10	JD2	09/12/25	1547	2855553	7
Calcium		59.2	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		472	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-PZ-74I	Project:	GPCC00325
Sample ID:	740584006	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-PZ-75I
Sample ID: 740584007
Matrix: WG
Collect Date: 27-AUG-25 12:04
Receive Date: 29-AUG-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		6.47	0.0670	0.200	mg/L		1	CWW	08/30/25	0443	2855970	1
Fluoride	J	0.0660	0.0330	0.100	mg/L		1					
Sulfate		263	2.66	8.00	mg/L		20	CWW	08/30/25	1900	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1115	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1739	2855553	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0297	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.128	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1613	2855553	5
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1209	2855553	6
Lithium	J	0.00373	0.00300	0.0100	mg/L	1.00	1					
Boron		1.30	0.104	0.300	mg/L	1.00	20	JD2	09/12/25	1548	2855553	7
Calcium		51.6	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		496	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-PZ-75I	Project:	GPCC00325
Sample ID:	740584007	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-APBCD-FD-02
Sample ID: 740584008
Matrix: WG
Collect Date: 27-AUG-25 12:00
Receive Date: 29-AUG-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		6.94	0.0670	0.200	mg/L		1	CWW	08/30/25	0515	2855970	1
Fluoride		0.111	0.0330	0.100	mg/L		1					
Sulfate		154	1.33	4.00	mg/L		10	CWW	08/30/25	1931	2855970	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1117	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1742	2855553	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0571	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000872	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					
Calcium		44.0	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1614	2855553	5
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1211	2855553	6
Lithium		0.0150	0.00300	0.0100	mg/L	1.00	1					
Boron		1.45	0.104	0.300	mg/L	1.00	20	JD2	09/12/25	1550	2855553	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		337	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-APBCD-FD-02	Project:	GPCC00325
Sample ID:	740584008	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-APBCD-EB-05
Sample ID: 740584009
Matrix: WQ
Collect Date: 27-AUG-25 16:25
Receive Date: 29-AUG-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	U	ND	0.0670	0.200	mg/L		1	CWW	08/30/25	0547	2855970	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	JM13	09/08/25	1122	2858571	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1745	2855553	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					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	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	JD2	09/12/25	1527	2855553	4
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					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1152	2855553	5
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-APBCD-EB-05	Project:	GPCC00325
Sample ID:	740584009	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	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: October 3, 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-BCD

Client Sample ID: BRA-BRGWC-25I
Sample ID: 740584010
Matrix: WG
Collect Date: 28-AUG-25 10:07
Receive Date: 29-AUG-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		0.247	0.0330	0.100	mg/L		1	CWW	08/30/25	0619	2855970	1
Chloride		13.3	1.34	4.00	mg/L		20	CWW	08/30/25	2003	2855970	2
Sulfate		201	2.66	8.00	mg/L		20					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JM13	09/08/25	1123	2858571	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1747	2855553	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0292	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.00143	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					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1	JD2	09/12/25	1616	2855553	5
Cobalt		0.00338	0.000300	0.00100	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1212	2855553	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Boron		1.65	0.104	0.300	mg/L	1.00	20	JD2	09/12/25	1551	2855553	7
Calcium		74.7	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		443	2.38	10.0	mg/L			SC1	09/04/25	1450	2857715	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-BRGWC-25I	Project:	GPCC00325
Sample ID:	740584010	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	SW846 3005A/6020B	
8	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: October 3, 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-BCD

Client Sample ID: BRA-APBCD-FB-02
Sample ID: 740584011
Matrix: WQ
Collect Date: 28-AUG-25 09:55
Receive Date: 29-AUG-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	U	ND	0.0670	0.200	mg/L		1	CWW	08/30/25	0858	2855970	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	JM13	09/08/25	1125	2858571	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	JD2	09/11/25	1750	2855553	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					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	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	JD2	09/12/25	1528	2855553	4
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					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	JD2	09/16/25	1153	2855553	5
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/04/25	1450	2857715	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	LF1	09/02/25	0910	2855552
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	09/05/25	1120	2858570

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Certificate of Analysis

Report Date: October 3, 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-BCD

Client Sample ID:	BRA-APBCD-FB-02	Project:	GPCC00325
Sample ID:	740584011	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	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

QC Summary

Report Date: October 3, 2025

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

Contact: **Joju Abraham**

Workorder: **740584**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2855970										
QC1206219318 740573001 DUP										
Chloride		2.13		2.13	mg/L	0.159		(0%-20%)	CWW	08/29/25 20:14
Fluoride	J	0.0836	J	0.0917	mg/L	9.24	^	(+/-0.100)		
Sulfate		11.5		11.5	mg/L	0.126		(0%-20%)		
QC1206219319 740584010 DUP										
Chloride		13.3		13.5	mg/L	1.75	^	(+/-4.00)		08/30/25 21:39
Fluoride		0.247		0.260	mg/L	4.98	^	(+/-0.100)		08/30/25 07:54
Sulfate		201		201	mg/L	0.331		(0%-20%)		08/30/25 21:39
QC1206219317 LCS										
Chloride	5.00			4.65	mg/L		93.1	(90%-110%)		08/29/25 19:10
Fluoride	2.50			2.37	mg/L		94.7	(90%-110%)		
Sulfate	10.0			9.50	mg/L		95	(90%-110%)		
QC1206219316 MB										
Chloride			U	ND	mg/L					08/29/25 18:39
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **740584**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2855970											
QC1206219320 740573001 MS											
Chloride	5.00		2.13		6.88	mg/L		95	(90%-110%)	CWW	08/29/25 20:46
Fluoride	2.50	J	0.0836		2.48	mg/L		95.9	(90%-110%)		
Sulfate	10.0		11.5		21.4	mg/L		99.1	(90%-110%)		
QC1206219321 740584010 MS											
Chloride	100		13.3		103	mg/L		89.5*	(90%-110%)		08/30/25 22:11
Fluoride	2.50		0.247		2.63	mg/L		95.3	(90%-110%)		08/30/25 08:26
Sulfate	200		201		392	mg/L		95.1	(90%-110%)		08/30/25 22:11
Metals Analysis - ICPMS											
Batch 2855553											
QC1206218524 LCS											
Antimony	0.0500				0.0483	mg/L		96.6	(80%-120%)	JD2	09/11/25 17:04
Arsenic	0.0500				0.0510	mg/L		102	(80%-120%)		
Barium	0.0500				0.0508	mg/L		102	(80%-120%)		
Beryllium	0.0500				0.0566	mg/L		113	(80%-120%)		09/16/25 11:51
Boron	0.100				0.117	mg/L		117	(80%-120%)		09/12/25 15:25
Cadmium	0.0500				0.0509	mg/L		102	(80%-120%)		09/11/25 17:04
Calcium	2.00				2.22	mg/L		111	(80%-120%)		09/12/25 15:25

QC Summary

Workorder: **740584**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855553										
Chromium	0.0500			0.0508	mg/L		102	(80%-120%)	JD2	09/12/25 15:25
Cobalt	0.0500			0.0519	mg/L		104	(80%-120%)		
Lead	0.0500			0.0498	mg/L		99.6	(80%-120%)		09/11/25 17:04
Lithium	0.0500			0.0556	mg/L		111	(80%-120%)		09/16/25 11:51
Molybdenum	0.0500			0.0503	mg/L		101	(80%-120%)		09/11/25 17:04
Selenium	0.0500			0.0509	mg/L		102	(80%-120%)		
Thallium	0.0500			0.0479	mg/L		95.8	(80%-120%)		
QC1206218523 MB										
Antimony			U	ND	mg/L					09/11/25 17:01
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					09/16/25 11:50
Boron			U	ND	mg/L					09/12/25 15:24
Cadmium			U	ND	mg/L					09/11/25 17:01
Calcium			U	ND	mg/L					09/12/25 15:24

QC Summary

Workorder: **740584**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855553											
Chromium				U	ND	mg/L				JD2	09/12/25 15:24
Cobalt				U	ND	mg/L					
Lead				U	ND	mg/L					09/11/25 17:01
Lithium				U	ND	mg/L					09/16/25 11:50
Molybdenum				U	ND	mg/L					09/11/25 17:01
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206218525 740584001 MS											
Antimony	0.0500	U	ND		0.0465	mg/L		92.9	(75%-125%)		09/11/25 17:09
Arsenic	0.0500	J	0.00408		0.0605	mg/L		113	(75%-125%)		
Barium	0.0500		0.0343		0.0853	mg/L		102	(75%-125%)		
Beryllium	0.0500	U	ND		0.0480	mg/L		96.1	(75%-125%)		09/16/25 11:58
Boron	0.100		1.75		1.89	mg/L		N/A	(75%-125%)		09/12/25 15:34
Cadmium	0.0500	U	ND		0.0471	mg/L		93.9	(75%-125%)		09/11/25 17:09
Calcium	2.00		493		486	mg/L		N/A	(75%-125%)		09/12/25 15:34

QC Summary

Workorder: **740584**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855553											
Chromium	0.0500	U	ND		0.0487	mg/L		97.1	(75%-125%)	JD2	09/12/25 15:57
Cobalt	0.0500		0.00236		0.0508	mg/L		96.8	(75%-125%)		
Lead	0.0500	U	ND		0.0415	mg/L		82.9	(75%-125%)		09/11/25 17:09
Lithium	0.0500		0.0314		0.0792	mg/L		95.7	(75%-125%)		09/16/25 11:58
Molybdenum	0.0500		0.00119		0.0534	mg/L		105	(75%-125%)		09/11/25 17:09
Selenium	0.0500	U	ND		0.0586	mg/L		115	(75%-125%)		
Thallium	0.0500	U	ND		0.0416	mg/L		83.1	(75%-125%)		
QC1206218526 740584001 MSD											
Antimony	0.0500	U	ND		0.0472	mg/L	1.47	94.2	(0%-20%)		09/11/25 17:12
Arsenic	0.0500	J	0.00408		0.0610	mg/L	0.807	114	(0%-20%)		
Barium	0.0500		0.0343		0.0876	mg/L	2.59	107	(0%-20%)		
Beryllium	0.0500	U	ND		0.0496	mg/L	3.17	99.2	(0%-20%)		09/16/25 11:59
Boron	0.100		1.75		1.98	mg/L	4.42	N/A	(0%-20%)		09/12/25 15:35
Cadmium	0.0500	U	ND		0.0482	mg/L	2.36	96.1	(0%-20%)		09/11/25 17:12
Calcium	2.00		493		516	mg/L	5.94	N/A	(0%-20%)		09/12/25 15:35

QC Summary

Workorder: **740584**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2855553											
Chromium	0.0500	U	ND		0.0494	mg/L	1.37	98.5	(0%-20%)	JD2	09/12/25 15:58
Cobalt	0.0500		0.00236		0.0511	mg/L	0.568	97.4	(0%-20%)		
Lead	0.0500	U	ND		0.0415	mg/L	0.135	83	(0%-20%)		09/11/25 17:12
Lithium	0.0500		0.0314		0.0831	mg/L	4.71	103	(0%-20%)		09/16/25 11:59
Molybdenum	0.0500		0.00119		0.0547	mg/L	2.3	107	(0%-20%)		09/11/25 17:12
Selenium	0.0500	U	ND		0.0582	mg/L	0.663	115	(0%-20%)		
Thallium	0.0500	U	ND		0.0419	mg/L	0.741	83.7	(0%-20%)		
QC1206218528 740584001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 17:18
Arsenic		J	4.08	U	ND	ug/L	N/A		(0%-20%)		
Barium			34.3		7.51	ug/L	9.53		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/16/25 12:01
Boron			87.5		20.4	ug/L	16.3		(0%-20%)		09/12/25 15:37
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 17:18
Calcium			24700		5150	ug/L	4.39		(0%-20%)		09/12/25 15:37

QC Summary

Workorder: **740584**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855553										
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)	JD2	09/12/25 16:01
Cobalt		2.36	J	0.501	ug/L	6.19		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 17:18
Lithium		31.4	J	6.72	ug/L	7.05		(0%-20%)		09/16/25 12:01
Molybdenum		1.19	J	0.242	ug/L	1.51		(0%-20%)		09/11/25 17:18
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2858571										
QC1206224391 741344001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JM13	09/08/25 11:28
QC1206224390 LCS										
Mercury 0.00200				0.00173	mg/L		86.5	(80%-120%)		09/08/25 10:50
QC1206224389 MB										
Mercury			U	ND	mg/L					09/08/25 10:49
QC1206224392 741344001 MS										
Mercury 0.00200	U	ND		0.00178	mg/L		88.9	(75%-125%)		09/08/25 11:30

QC Summary

Workorder: **740584**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2856612										
QC1206220850 740589001 DUP										
Total Dissolved Solids		751		732	mg/L	2.56		(0%-5%)	SC1	09/03/25 10:01
QC1206220848 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/03/25 10:01
QC1206220847 MB										
Total Dissolved Solids			U	ND	mg/L					09/03/25 10:01
Batch 2857715										
QC1206222978 740874002 DUP										
Total Dissolved Solids		173		164	mg/L	5.34 *		(0%-5%)	SC1	09/04/25 14:50
QC1206222977 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/04/25 14:50
QC1206222976 MB										
Total Dissolved Solids			U	ND	mg/L					09/04/25 14:50

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: **740584**

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.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2855553

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2855552

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

GEL Sample ID#	Client Sample Identification
740584001	BRA-BRGWC-30I
740584002	BRA-BRGWC-44
740584003	BRA-BRGWC-52I
740584004	BRA-PZ-63I
740584005	BRA-PZ-68D
740584006	BRA-PZ-74I
740584007	BRA-PZ-75I
740584008	BRA-APBCD-FD-02
740584009	BRA-APBCD-EB-05
740584010	BRA-BRGWC-25I
740584011	BRA-APBCD-FB-02
1206218523	Method Blank (MB)**ICP-MS**
1206218524	Laboratory Control Sample (LCS)
1206218528	740584001(BRA-BRGWC-30IL) Serial Dilution (SD)
1206218525	740584001(BRA-BRGWC-30IS) Matrix Spike (MS)
1206218526	740584001(BRA-BRGWC-30ISD) 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 740584001 (BRA-BRGWC-30I), 740584002

(BRA-BRGWC-44), 740584003 (BRA-BRGWC-52I), 740584004 (BRA-PZ-63I), 740584005 (BRA-PZ-68D), 740584006 (BRA-PZ-74I), 740584007 (BRA-PZ-75I), 740584008 (BRA-APBCD-FD-02) and 740584010 (BRA-BRGWC-25I) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	740584								
	001	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**010**
Boron	20X	20X	20X	10X	10X	10X	20X	20X	20X
Calcium	20X			10X	10X	10X	20X		20X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2858571

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2858570

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

GEL Sample ID#	Client Sample Identification
740584001	BRA-BRGWC-30I
740584002	BRA-BRGWC-44
740584003	BRA-BRGWC-52I
740584004	BRA-PZ-63I
740584005	BRA-PZ-68D
740584006	BRA-PZ-74I
740584007	BRA-PZ-75I
740584008	BRA-APBCD-FD-02
740584009	BRA-APBCD-EB-05
740584010	BRA-BRGWC-25I
740584011	BRA-APBCD-FB-02
1206224389	Method Blank (MB)**CVAA**
1206224390	Laboratory Control Sample (LCS)
1206224391	741344001(NonSDGD) Sample Duplicate (DUP)
1206224392	741344001(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: 2855970

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

GEL Sample ID#	Client Sample Identification
740584001	BRA-BRGWC-30I
740584002	BRA-BRGWC-44
740584003	BRA-BRGWC-52I
740584004	BRA-PZ-63I
740584005	BRA-PZ-68D
740584006	BRA-PZ-74I
740584007	BRA-PZ-75I
740584008	BRA-APBCD-FD-02
740584009	BRA-APBCD-EB-05
740584010	BRA-BRGWC-25I
740584011	BRA-APBCD-FB-02
1206219316	Method Blank (MB)
1206219317	Laboratory Control Sample (LCS)
1206219318	740573001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206219319	740584010(BRA-BRGWC-25I) Sample Duplicate (DUP)
1206219320	740573001(BRA-BRGWA-23S) Matrix Spike (MS)
1206219321	740584010(BRA-BRGWC-25I) 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
Chloride	1206219321 (BRA-BRGWC-25IMS)	89.5* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1206219319 (BRA-BRGWC-25IDUP), 1206219321 (BRA-BRGWC-25IMS), 740584001 (BRA-BRGWC-30I), 740584002 (BRA-BRGWC-44), 740584003 (BRA-BRGWC-52I), 740584004 (BRA-PZ-63I), 740584005 (BRA-PZ-68D), 740584006 (BRA-PZ-74I), 740584007 (BRA-PZ-75I), 740584008 (BRA-APBCD-FD-02) and 740584010 (BRA-BRGWC-25I) 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	740584								
	001	002	003	004	005	006	007	008	010

Chloride	1X	1X	1X	1X	20X	20X	1X	1X	20X
Sulfate	200X	4X	10X	50X	20X	20X	20X	10X	20X

Miscellaneous Information

Manual Integrations
Samples 1206219318 (BRA-BRGWA-23SDUP), 1206219320 (BRA-BRGWA-23SMS), 740584002 (BRA-BRGWC-44), 740584003 (BRA-BRGWC-52I), 740584004 (BRA-PZ-63I), 740584005 (BRA-PZ-68D), 740584006 (BRA-PZ-74I), 740584007 (BRA-PZ-75I) and 740584008 (BRA-APBCD-FD-02) 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: 2856612

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

GEL Sample ID#	Client Sample Identification
740584001	BRA-BRGWC-30I
740584002	BRA-BRGWC-44
740584003	BRA-BRGWC-52I
740584004	BRA-PZ-63I
740584005	BRA-PZ-68D
740584006	BRA-PZ-74I
740584007	BRA-PZ-75I
740584008	BRA-APBCD-FD-02
740584009	BRA-APBCD-EB-05
1206220847	Method Blank (MB)
1206220848	Laboratory Control Sample (LCS)
1206220850	740589001(BRA-PZ-83I) 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: 2857715

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

GEL Sample ID#	Client Sample Identification
740584010	BRA-BRGWC-25I
740584011	BRA-APBCD-FB-02
1206222976	Method Blank (MB)

1206222977	Laboratory Control Sample (LCS)
1206222978	740874002(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

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206222978 (Non SDG 740874002DUP)	5.34* (0%-5%)

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.

740584 · 740586

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

GEL Laboratories LLC
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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 - BCD — Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: H. Axtell, J. May, J. Beristord — ACC — 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- BRGWC-30I	08/27/25	1010	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-44	08/27/25	1122	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-52I	08/27/25	1400	G	N	WG			6	✓	✓	✓	
BRA- ~~BRGWC-63I~~ PZ-63I (HA)	08/27/25	1630	G	N	WG			6	✓	✓	✓	
BRA- PZ-68D	08/27/25	0917	G	N	WG			6	✓	✓	✓	
BRA- PZ-74I	08/27/25	1456	G	N	WG			6	✓	✓	✓	
BRA- PZ-75I	08/27/25	1204	G	N	WG			6	✓	✓	✓	
BRA- APBCD-FD-02	08/27/25	—	G	N	WG			6	✓	✓	✓	
BRA- APBCD-EB-05	08/27/25	1625	G	N	WQ			6	✓	✓	✓	
BRA- BRGWC-25I	08/28/25	1007	G	N	WG			6	✓	✓	✓	

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		8/29/25	0820	Temperature Blanks		820
2						
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: 3-6 °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 - BCD | Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: A. Auld, J. May 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- APBCD-EB-02	08/28/25	0955	G	N	WQ			6	✓	✓	✓	WQ
BRA-												
BRA-												
BRA-												
BRA-												
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		8/29/25	0820		8/29/25	820
2						
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:* 3-6 °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.)

740573 740584
740574 740586
740577 740589

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 740579	GEL PM: AP
Received By: KE	Date Received at GEL: 08/29/25	

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

IR Temp gun # IR1-25 Daily Calibration Performed? (Y)N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler #1	4°		Cooler #6	4°	
Cooler #2	4°		Cooler #7	5°	
Cooler #3	4°				
Cooler #4	6°				
Cooler #5	3°				

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 VVV Date 9/3/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 03 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

GEL Laboratories LLC
a member of The GEL Group INC

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

October 03, 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-Piezometers
Work Order: 740589

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 29, 2025. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 740589 in the left-hand footer of the data report. Revision 01 updates work order task code and matrix code for the blank samples.

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
740589001	BRA-PZ-83I	Ground Water	08/27/25 13:53	08/29/25 08:20
740589002	BRA-PZ-84I	Ground Water	08/27/25 13:05	08/29/25 08:20
740589003	BRA-PZ-75D	Ground Water	08/27/25 11:16	08/29/25 08:20
740589004	BRA-APBCD-FD-30	Ground Water	08/27/25 12:00	08/29/25 08:20
740589005	BRA-APBCD-FB-31	Ground Water	08/27/25 11:00	08/29/25 08:20
740589006	BRA-PZ-82I	Ground Water	08/28/25 13:41	08/29/25 08:20
740589007	BRA-APBCD-EB-32	Ground Water	08/28/25 14:50	08/29/25 08:20

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

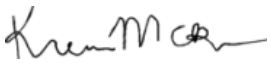
Method	Run Date ID
SW846 3005A	30-AUG-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	29-AUG-2025
EPA 300.0	30-AUG-2025
SM 2540C	03-SEP-2025
SW846 3005A/6020B	11-SEP-2025
SW846 3005A/6020B	12-SEP-2025
SW846 3005A/6020B	16-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: 740589 GEL Work Order: 740589

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

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

Report Date: October 3, 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-Piezometers

Client Sample ID:	BRA-PZ-83I	Project:	GPCC00325
Sample ID:	740589001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	27-AUG-25 13:53		
Receive Date:	29-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		6.01	0.0670	0.200	mg/L		1	CH6	08/29/25	2246	2855971	1
Fluoride		0.112	0.0330	0.100	mg/L		1					
Sulfate		417	6.65	20.0	mg/L		50	CH6	08/30/25	1855	2855971	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Selenium		0.0512	0.00150	0.00500	mg/L	1.00	1	JD2	09/11/25	1836	2855555	3
Calcium		82.7	1.60	4.00	mg/L	1.00	20	JD2	09/12/25	1652	2855555	4
Boron		1.61	0.104	0.300	mg/L	1.00	20	JD2	09/16/25	1143	2855555	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		751	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 3, 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-Piezometers

Client Sample ID:	BRA-PZ-84I	Project:	GPCC00325
Sample ID:	740589002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	27-AUG-25 13:05		
Receive Date:	29-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		6.09	0.0670	0.200	mg/L		1	CH6	08/29/25	2316	2855971	1
Fluoride		0.130	0.0330	0.100	mg/L		1					
Sulfate		355	6.65	20.0	mg/L		50	CH6	08/30/25	1925	2855971	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Selenium		0.00512	0.00150	0.00500	mg/L	1.00	1	JD2	09/11/25	1838	2855555	3
Calcium		88.1	1.60	4.00	mg/L	1.00	20	JD2	09/12/25	1653	2855555	4
Boron		1.57	0.104	0.300	mg/L	1.00	20	JD2	09/16/25	1144	2855555	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		666	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 3, 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-Piezometers

Client Sample ID:	BRA-PZ-75D	Project:	GPCC00325
Sample ID:	740589003	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	27-AUG-25 11:16		
Receive Date:	29-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		3.53	0.0670	0.200	mg/L		1	CH6	08/29/25	2347	2855971	1
Fluoride		0.614	0.0330	0.100	mg/L		1					
Sulfate		25.8	0.266	0.800	mg/L		2	CH6	08/30/25	1956	2855971	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	JD2	09/11/25	1841	2855555	3
Calcium		44.2	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1655	2855555	4
Boron		0.0326	0.00520	0.0150	mg/L	1.00	1	JD2	09/16/25	1145	2855555	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		232	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 3, 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-Piezometers

Client Sample ID:	BRA-APBCD-FD-30	Project:	GPCC00325
Sample ID:	740589004	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	27-AUG-25 12:00		
Receive Date:	29-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		6.15	0.0670	0.200	mg/L		1	CH6	08/30/25	0018	2855971	1
Fluoride		0.124	0.0330	0.100	mg/L		1					
Sulfate		347	6.65	20.0	mg/L		50	CH6	08/30/25	2027	2855971	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Selenium		0.00596	0.00150	0.00500	mg/L	1.00	1	JD2	09/11/25	1844	2855555	3
Calcium		89.7	1.60	4.00	mg/L	1.00	20	JD2	09/12/25	1656	2855555	4
Boron		1.49	0.104	0.300	mg/L	1.00	20	JD2	09/16/25	1146	2855555	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		664	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
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: October 3, 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-Piezometers

Client Sample ID:	BRA-APBCD-FB-31	Project:	GPCC00325
Sample ID:	740589005	Client ID:	GPCC002
Matrix:	WQ		
Collect Date:	27-AUG-25 11:00		
Receive Date:	29-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	U	ND	0.0670	0.200	mg/L		1	CH6	08/30/25	0151	2855971	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	JD2	09/11/25	1847	2855555	2
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1626	2855555	3
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	JD2	09/16/25	1123	2855555	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 3005A/6020B	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 3, 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-Piezometers

Client Sample ID:	BRA-PZ-82I	Project:	GPCC00325
Sample ID:	740589006	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	28-AUG-25 13:41		
Receive Date:	29-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		5.97	0.0670	0.200	mg/L		1	CH6	08/30/25	0222	2855971	1
Fluoride		0.101	0.0330	0.100	mg/L		1					
Sulfate		276	3.33	10.0	mg/L		25	CH6	08/30/25	2058	2855971	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Selenium		0.0792	0.00150	0.00500	mg/L	1.00	1	JD2	09/11/25	1849	2855555	3
Calcium		72.8	1.60	4.00	mg/L	1.00	20	JD2	09/12/25	1658	2855555	4
Boron		1.37	0.104	0.300	mg/L	1.00	20	JD2	09/16/25	1147	2855555	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		520	2.38	10.0	mg/L			SC1	09/03/25	1001	2856612	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: October 3, 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-Piezometers

Client Sample ID:	BRA-APBCD-EB-32	Project:	GPCC00325
Sample ID:	740589007	Client ID:	GPCC002
Matrix:	WQ		
Collect Date:	28-AUG-25 14:50		
Receive Date:	29-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	U	ND	0.0670	0.200	mg/L		1	CH6	08/30/25	0253	2855971	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	JD2	09/11/25	1852	2855555	2
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1	JD2	09/12/25	1627	2855555	3
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	JD2	09/16/25	1124	2855555	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	09/03/25	1126	2856614	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	08/30/25	1120	2855554

The following Analytical Methods were performed:

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

QC Summary

Report Date: October 3, 2025

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

Contact: **Joju Abraham**

Workorder: **740589**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2855971										
QC1206219342 740711005 DUP										
Chloride	U	ND	U	ND	mg/L	N/A			CH6	08/30/25 05:58
Fluoride	U	ND	U	ND	mg/L	N/A				
Sulfate	U	ND	U	ND	mg/L	N/A				
QC1206219340 LCS										
Chloride	5.00			4.56	mg/L		91.2	(90%-110%)		08/29/25 20:11
Fluoride	2.50			2.31	mg/L		92.4	(90%-110%)		
Sulfate	10.0			9.42	mg/L		94.2	(90%-110%)		
QC1206219339 MB										
Chloride			U	ND	mg/L					08/29/25 19:41
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					
QC1206219344 740711005 MS										
Chloride	5.00	U	ND	4.54	mg/L		90.8	(90%-110%)		08/30/25 06:29
Fluoride	2.50	U	ND	2.26	mg/L		90.6	(90%-110%)		
Sulfate	10.0	U	ND	9.21	mg/L		92.1	(90%-110%)		

QC Summary

Workorder: **740589**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855555										
QC1206218530 LCS										
Boron	0.100			0.103	mg/L		103	(80%-120%)	JD2	09/16/25 11:20
Calcium	2.00			2.31	mg/L		116	(80%-120%)		09/12/25 16:22
Selenium	0.0500			0.0493	mg/L		98.6	(80%-120%)		09/11/25 18:01
QC1206218529 MB										
Boron			U	ND	mg/L					09/16/25 11:19
Calcium			U	ND	mg/L					09/12/25 16:20
Selenium			U	ND	mg/L					09/11/25 17:58
QC1206218531 740573001 MS										
Boron	0.100	0.0257		0.132	mg/L		106	(75%-125%)		09/16/25 11:33
Calcium	2.00	7.25		9.52	mg/L		114	(75%-125%)		09/12/25 16:39
Selenium	0.0500 U	ND		0.0499	mg/L		98.2	(75%-125%)		09/11/25 18:06
QC1206218532 740573001 MSD										
Boron	0.100	0.0257		0.135	mg/L	2.31	109	(0%-20%)		09/16/25 11:34
Calcium	2.00	7.25		9.46	mg/L	0.643	111	(0%-20%)		09/12/25 16:40
Selenium	0.0500 U	ND		0.0497	mg/L	0.448	97.8	(0%-20%)		09/11/25 18:09
QC1206218534 740573001 SDILT										
Boron		25.7	J	6.15	ug/L	19.7		(0%-20%)		09/16/25 11:36

QC Summary

Workorder: **740589**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2855555										
Calcium		7250		1500	ug/L	3.33		(0%-20%)	JD2	09/12/25 16:43
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		09/11/25 18:14
Solids Analysis										
Batch 2856612										
QC1206220850 740589001 DUP										
Total Dissolved Solids		751		732	mg/L	2.56		(0%-5%)	SC1	09/03/25 10:01
QC1206220848 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/03/25 10:01
QC1206220847 MB										
Total Dissolved Solids			U	ND	mg/L					09/03/25 10:01
Batch 2856614										
QC1206220853 740563002 DUP										
Total Dissolved Solids		214		222	mg/L	3.67		(0%-5%)	SC1	09/03/25 11:26
QC1206220852 LCS										
Total Dissolved Solids	300			300	mg/L		100	(95%-105%)		09/03/25 11:26
QC1206220851 MB										
Total Dissolved Solids			U	ND	mg/L					09/03/25 11:26

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

QC Summary

Workorder: **740589**

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

>	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.
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: 2855555

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2855554

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

GEL Sample ID#	Client Sample Identification
740589001	BRA-PZ-83I
740589002	BRA-PZ-84I
740589003	BRA-PZ-75D
740589004	BRA-APBCD-FD-30
740589005	BRA-APBCD-FB-31
740589006	BRA-PZ-82I
740589007	BRA-APBCD-EB-32
1206218529	Method Blank (MB)**ICP-MS**
1206218530	Laboratory Control Sample (LCS)
1206218534	740573001(BRA-BRGWA-23SL) Serial Dilution (SD)
1206218531	740573001(BRA-BRGWA-23SS) Matrix Spike (MS)
1206218532	740573001(BRA-BRGWA-23SSD) 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 740589001 (BRA-PZ-83I), 740589002 (BRA-PZ-84I), 740589004 (BRA-APBCD-FD-30) and 740589006 (BRA-PZ-82I) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	740589			
	001	002	004	006
Boron	20X	20X	20X	20X
Calcium	20X	20X	20X	20X

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2855971

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

GEL Sample ID#	Client Sample Identification
740589001	BRA-PZ-83I
740589002	BRA-PZ-84I
740589003	BRA-PZ-75D
740589004	BRA-APBCD-FD-30
740589005	BRA-APBCD-FB-31
740589006	BRA-PZ-82I
740589007	BRA-APBCD-EB-32
1206219339	Method Blank (MB)
1206219340	Laboratory Control Sample (LCS)
1206219342	740711005(NonSDG) Sample Duplicate (DUP)
1206219344	740711005(NonSDG) 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 740589001 (BRA-PZ-83I), 740589002 (BRA-PZ-84I), 740589003 (BRA-PZ-75D), 740589004 (BRA-APBCD-FD-30) and 740589006 (BRA-PZ-82I) 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	740589				
	001	002	003	004	006
Sulfate	50X	50X	2X	50X	25X

Miscellaneous Information

Manual Integrations

Samples 740589001 (BRA-PZ-83I), 740589002 (BRA-PZ-84I), 740589003 (BRA-PZ-75D), 740589004 (BRA-APBCD-FD-30) and 740589006 (BRA-PZ-82I) 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: 2856612

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

GEL Sample ID#	Client Sample Identification
740589001	BRA-PZ-83I
740589002	BRA-PZ-84I
740589003	BRA-PZ-75D
740589004	BRA-APBCD-FD-30
740589005	BRA-APBCD-FB-31
740589006	BRA-PZ-82I
1206220847	Method Blank (MB)
1206220848	Laboratory Control Sample (LCS)
1206220850	740589001(BRA-PZ-83I) 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: 2856614

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

GEL Sample ID#	Client Sample Identification
740589007	BRA-APBCD-EB-32
1206220851	Method Blank (MB)
1206220852	Laboratory Control Sample (LCS)
1206220853	740563002(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.

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.

740589

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

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - Piezometers | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA/JM H. Arnold, J. May | 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	NI	<-- Preservative Type (6)
BRA- PZ-83I	08/27/25	1353	G	N	WG			3	✓	✓		
BRA-PZ-84I	08/27/25	1305	G	N	WG			3	✓	✓		
~~BRA-PZ-84I~~ (HA)												
BRA-PZ-75D	08/27/25	1116	G	N	WG			3	✓	✓		
BRA-APBCD-FD-30	08/27/25	—	G	N	WG			3	✓	✓		
BRA-APBCD-FB-31	08/24/25	1100	G	N	WQ			3	✓	✓		
BRA-PZ-82I	08/28/25	1341	G	N	WG			3	✓	✓		
BRA-APBCD-EB-32	08/28/25	1450	G	N	WQ			3	✓	✓		

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-OTH-20250827

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	8/28/25	0820	1	8/28/25	820
2			2		
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,Se**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 3-6 °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.)

740573 740584
740574 740586
740577 740589

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

740579

Client: GPCC	SDG/AR/COC/Work Order:	GEL PM: AP
Received By: KE	Date Received at GEL: 08/29/25	

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

IR Temp gun # IR1-25 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).
Cooler #1	4°		cooler #6	4°	
Cooler #2	4°		cooler #7	5°	
Cooler #3	4°				
cooler #4	6°				
Cooler #5	3°				

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 VNT Date 9/3/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 03 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

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

September 14, 2025

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Lauren Fitzgerald, Geosyntec Consultans, Inc
Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Pace Analytical Services Asheville

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

Pace Analytical Services West Columbia

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

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110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92815295001	**BRA-LR-1(surface)**	Water	08/27/25 11:13	08/27/25 14:39
92815295002	**BRA-LR-1(mid)**	Water	08/27/25 11:10	08/27/25 14:39
92815295003	**BRA-LR-1(bottom)**	Water	08/27/25 11:04	08/27/25 14:39
92815295011	**BRA-LS+3A(surface)**	Water	08/27/25 10:55	08/27/25 14:39
92815295012	**BRA-LS+3(surface)**	Water	08/27/25 10:48	08/27/25 14:39
92815295013	**BRA-LS+3(mid)**	Water	08/27/25 10:50	08/27/25 14:39
92815295004	**BRA-LR+8A(surface)**	Water	08/27/25 11:18	08/27/25 14:39
92815295005	**BRA-LR+9A(surface)**	Water	08/27/25 11:20	08/27/25 14:39
92815295006	**BRA-LR+8(surface)**	Water	08/27/25 10:36	08/27/25 14:39
92815295007	**BRA-LR+8(mid)**	Water	08/27/25 10:32	08/27/25 14:39
92815295008	**BRA-LR+8(bottom)**	Water	08/27/25 10:29	08/27/25 14:39
92815295009	**BRA-LR+9(surface)**	Water	08/27/25 10:22	08/27/25 14:39
92815295010	**BRA-LR+9(mid)**	Water	08/27/25 10:19	08/27/25 14:39
92815295014	**BRA-LR+9(bottom)**	Water	08/27/25 10:13	08/27/25 14:39
92815295015	**BRA-LR+10(surface)**	Water	08/27/25 09:57	08/27/25 14:39
92815295016	**BRA-LR+10(mid)**	Water	08/27/25 10:00	08/27/25 14:39
92815295017	**BRA-LR+10(bottom)**	Water	08/27/25 09:51	08/27/25 14:39

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92815295001	**BRA-LR-1(surface)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295002	**BRA-LR-1(mid)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295003	**BRA-LR-1(bottom)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295011	**BRA-LS+3A(surface)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295012	**BRA-LS+3(surface)**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295013	**BRA-LS+3(mid)**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295004	**BRA-LR+8A(surface)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295005	**BRA-LR+9A(surface)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295006	**BRA-LR+8(surface)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295007	**BRA-LR+8(mid)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295008	**BRA-LR+8(bottom)**	SM 2540C-2020	MJP	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295009	**BRA-LR+9(surface)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295010	**BRA-LR+9(mid)**	SM 2540C-2020	MJP	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295014	**BRA-LR+9(bottom)**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
92815295015	**BRA-LR+10(surface)**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295016	**BRA-LR+10(mid)**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC
92815295017	**BRA-LR+10(bottom)**	SM 2540C-2020	CMW1	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6010D	SCC	2	PASI-WC
		EPA 6020B	BW	1	PASI-WC

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR-1(surface) **Lab ID: 92815295001** Collected: 08/27/25 11:13 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**47.0**	mg/L	25.0	1		09/02/25 10:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.1**	mg/L	1.0	1		08/28/25 04:19	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 04:19	16984-48-8	
Sulfate	**1.9**	mg/L	1.0	1		08/28/25 04:19	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 11:39	7440-42-8	
Calcium	**5.1**	mg/L	5.0	1	09/09/25 10:50	09/10/25 11:39	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 19:58	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR-1(mid) **Lab ID: 92815295002** Collected: 08/27/25 11:10 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**48.0**	mg/L	25.0	1		09/02/25 10:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.1**	mg/L	1.0	1		08/28/25 04:34	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 04:34	16984-48-8	
Sulfate	**1.9**	mg/L	1.0	1		08/28/25 04:34	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 11:47	7440-42-8	
Calcium	**5.0**	mg/L	5.0	1	09/09/25 10:50	09/10/25 11:47	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:06	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR-1(bottom) **Lab ID: 92815295003** Collected: 08/27/25 11:04 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**50.0**	mg/L	25.0	1		09/02/25 10:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.1**	mg/L	1.0	1		08/28/25 04:49	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 04:49	16984-48-8	
Sulfate	**1.9**	mg/L	1.0	1		08/28/25 04:49	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 11:50	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 11:50	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:14	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LS+3A(surface) **Lab ID: 92815295011** Collected: 08/27/25 10:55 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**43.0**	mg/L	25.0	1		09/02/25 10:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.2**	mg/L	1.0	1		08/28/25 07:48	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 07:48	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/28/25 07:48	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:29	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:29	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:23	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LS+3(surface) **Lab ID: 92815295012** Collected: 08/27/25 10:48 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**52.0**	mg/L	25.0	1		09/02/25 19:39		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.2**	mg/L	1.0	1		08/28/25 08:03	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 08:03	16984-48-8	
Sulfate	**2.4**	mg/L	1.0	1		08/28/25 08:03	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:32	7440-42-8	
Calcium	**5.0**	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:32	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:31	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LS+3(mid) **Lab ID: 92815295013** Collected: 08/27/25 10:50 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**45.0**	mg/L	25.0	1		09/02/25 19:39		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.2**	mg/L	1.0	1		08/28/25 08:18	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 08:18	16984-48-8	
Sulfate	**2.4**	mg/L	1.0	1		08/28/25 08:18	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:35	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:35	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:40	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+8A(surface) **Lab ID: 92815295004** Collected: 08/27/25 11:18 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**46.0**	mg/L	25.0	1		09/02/25 10:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 05:04	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 05:04	16984-48-8	
Sulfate	**2.4**	mg/L	1.0	1		08/28/25 05:04	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 11:53	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 11:53	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+9A(surface) **Lab ID: 92815295005** Collected: 08/27/25 11:20 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**50.0**	mg/L	25.0	1		09/02/25 10:22		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 05:19	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 05:19	16984-48-8	
Sulfate	**2.6**	mg/L	1.0	1		08/28/25 05:19	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 11:55	7440-42-8	
Calcium	**5.0**	mg/L	5.0	1	09/09/25 10:50	09/10/25 11:55	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+8(surface) **Lab ID: 92815295006** Collected: 08/27/25 10:36 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**51.0**	mg/L	25.0	1		09/02/25 10:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 06:03	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 06:03	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/28/25 06:03	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 11:58	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 11:58	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+8(mid) **Lab ID: 92815295007** Collected: 08/27/25 10:32 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**42.0**	mg/L	25.0	1		09/02/25 10:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 06:18	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 06:18	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/28/25 06:18	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:01	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:01	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+8(bottom) **Lab ID: 92815295008** Collected: 08/27/25 10:29 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**51.0**	mg/L	25.0	1		09/02/25 10:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 06:33	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 06:33	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/28/25 06:33	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:04	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:04	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+9(surface) **Lab ID: 92815295009** Collected: 08/27/25 10:22 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**47.0**	mg/L	25.0	1		09/02/25 10:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 07:18	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 07:18	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/28/25 07:18	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:07	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:07	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+9(mid) **Lab ID: 92815295010** Collected: 08/27/25 10:19 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**40.0**	mg/L	25.0	1		09/02/25 10:23		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.3**	mg/L	1.0	1		08/28/25 07:33	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 07:33	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/28/25 07:33	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:26	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:26	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+9(bottom) **Lab ID: 92815295014** Collected: 08/27/25 10:13 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**54.0**	mg/L	25.0	1		09/02/25 19:39		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 08:33	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 08:33	16984-48-8	
Sulfate	**2.3**	mg/L	1.0	1		08/28/25 08:33	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:38	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:38	7440-70-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+10(surface) **Lab ID: 92815295015** Collected: 08/27/25 09:57 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**40.0**	mg/L	25.0	1		09/02/25 19:39		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.4**	mg/L	1.0	1		08/28/25 04:04	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 04:04	16984-48-8	
Sulfate	**2.2**	mg/L	1.0	1		08/28/25 04:04	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:40	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:40	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:48	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+10(mid) **Lab ID: 92815295016** Collected: 08/27/25 10:00 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**53.0**	mg/L	25.0	1		09/02/25 19:39		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.3**	mg/L	1.0	1		08/28/25 04:19	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 04:19	16984-48-8	
Sulfate	**2.1**	mg/L	1.0	1		08/28/25 04:19	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:43	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:43	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 21:14	7782-49-2	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Sample: BRA-LR+10(bottom) **Lab ID: 92815295017** Collected: 08/27/25 09:51 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**40.0**	mg/L	25.0	1		09/02/25 19:39		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**3.3**	mg/L	1.0	1		08/28/25 04:33	16887-00-6	
Fluoride	ND	mg/L	0.10	1		08/28/25 04:33	16984-48-8	
Sulfate	**2.1**	mg/L	1.0	1		08/28/25 04:33	14808-79-8	
WC 6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.050	1	09/09/25 10:50	09/10/25 12:46	7440-42-8	
Calcium	ND	mg/L	5.0	1	09/09/25 10:50	09/10/25 12:46	7440-70-2	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Selenium	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 21:22	7782-49-2	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

QC Batch: 957581
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295004, 92815295005, 92815295006, 92815295007, 92815295008, 92815295009, 92815295010, 92815295011

METHOD BLANK: 4921245 Matrix: Water
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295004, 92815295005, 92815295006, 92815295007, 92815295008, 92815295009, 92815295010, 92815295011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	09/02/25 10:21	

LABORATORY CONTROL SAMPLE: 4921246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	242	97	90-110	

SAMPLE DUPLICATE: 4921247

Parameter	Units	92815798008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	109	107	2	25	

SAMPLE DUPLICATE: 4921248

Parameter	Units	92815295002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	48.0	45.0	6	25	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

QC Batch: 957711 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815295012, 92815295013, 92815295014, 92815295015, 92815295016, 92815295017

METHOD BLANK: 4921909 Matrix: Water
Associated Lab Samples: 92815295012, 92815295013, 92815295014, 92815295015, 92815295016, 92815295017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	09/02/25 19:39	

LABORATORY CONTROL SAMPLE: 4921910

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	258	103	90-110	

SAMPLE DUPLICATE: 4921911

Parameter	Units	92815295012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.0	55.0	6	25	

SAMPLE DUPLICATE: 4921912

Parameter	Units	92815116018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	432	443	3	25	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

QC Batch: 956844
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295004, 92815295005, 92815295006, 92815295007, 92815295008, 92815295009, 92815295010, 92815295011, 92815295012, 92815295013, 92815295014

METHOD BLANK: 4917686 Matrix: Water
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295004, 92815295005, 92815295006, 92815295007, 92815295008, 92815295009, 92815295010, 92815295011, 92815295012, 92815295013, 92815295014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/27/25 21:21	
Fluoride	mg/L	ND	0.10	08/27/25 21:21	
Sulfate	mg/L	ND	1.0	08/27/25 21:21	

LABORATORY CONTROL SAMPLE: 4917687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	51.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4917690 4917691

Parameter	Units	92815295005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.4	50	50	53.1	54.4	99	102	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	98	100	90-110	2	10	
Sulfate	mg/L	2.6	50	50	52.8	54.2	101	103	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4918358 4918359

Parameter	Units	92815295014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.4	50	50	52.3	52.3	98	98	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	102	100	90-110	2	10	
Sulfate	mg/L	2.3	50	50	52.9	52.5	101	100	90-110	1	10	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

QC Batch: 956851
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92815295015, 92815295016, 92815295017

METHOD BLANK: 4917732 Matrix: Water
Associated Lab Samples: 92815295015, 92815295016, 92815295017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/27/25 21:07	
Fluoride	mg/L	ND	0.10	08/27/25 21:07	
Sulfate	mg/L	ND	1.0	08/27/25 21:07	

LABORATORY CONTROL SAMPLE: 4917733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4917734 4917735

Parameter	Units	92814881008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	44.8	50	50	93.7	94.7	98	100	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	97	100	90-110	2	10	
Sulfate	mg/L	159	50	50	203	204	87	88	90-110	0	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4917736 4917737

Parameter	Units	92814883002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	128	50	50	171	173	85	89	90-110	1	10	M1
Fluoride	mg/L	0.081J	2.5	2.5	2.6	2.7	101	105	90-110	4	10	
Sulfate	mg/L	88.7	50	50	120	121	62	65	90-110	2	10	M1

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

QC Batch: 958956
QC Batch Method: EPA 3005A
Analysis Method: EPA 6010D
Analysis Description: WC 6010D MET ICP
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295004, 92815295005, 92815295006, 92815295007, 92815295008, 92815295009, 92815295010, 92815295011, 92815295012, 92815295013, 92815295014, 92815295015, 92815295016, 92815295017

METHOD BLANK: 4927753 Matrix: Water
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295004, 92815295005, 92815295006, 92815295007, 92815295008, 92815295009, 92815295010, 92815295011, 92815295012, 92815295013, 92815295014, 92815295015, 92815295016, 92815295017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.050	09/10/25 11:30	
Calcium	mg/L	ND	5.0	09/10/25 11:30	

LABORATORY CONTROL SAMPLE: 4927754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.4	0.40	101	80-120	
Calcium	mg/L	40	40.2	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4927755 4927756

Parameter	Units	92815295009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.4	0.4	0.43	0.42	104	103	75-125	1	20	
Calcium	mg/L	ND	40	40	43.8	44.4	97	99	75-125	1	20	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

QC Batch: 957015
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295011, 92815295012, 92815295013, 92815295015, 92815295016, 92815295017

METHOD BLANK: 4918431 Matrix: Water
Associated Lab Samples: 92815295001, 92815295002, 92815295003, 92815295011, 92815295012, 92815295013, 92815295015, 92815295016, 92815295017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Selenium	mg/L	ND	0.0050	09/09/25 19:41	

LABORATORY CONTROL SAMPLE: 4918432

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Selenium	mg/L	0.1	0.090	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4918433 4918434

Parameter	Units	92815233002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Selenium	mg/L		0.1	0.1	0.13	0.13	88	90	75-125	2	20	

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QUALIFIERS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92815295001	**BRA-LR-1(surface)**	SM 2540C-2020	957581		
92815295002	**BRA-LR-1(mid)**	SM 2540C-2020	957581		
92815295003	**BRA-LR-1(bottom)**	SM 2540C-2020	957581		
92815295004	**BRA-LR+8A(surface)**	SM 2540C-2020	957581		
92815295005	**BRA-LR+9A(surface)**	SM 2540C-2020	957581		
92815295006	**BRA-LR+8(surface)**	SM 2540C-2020	957581		
92815295007	**BRA-LR+8(mid)**	SM 2540C-2020	957581		
92815295008	**BRA-LR+8(bottom)**	SM 2540C-2020	957581		
92815295009	**BRA-LR+9(surface)**	SM 2540C-2020	957581		
92815295010	**BRA-LR+9(mid)**	SM 2540C-2020	957581		
92815295011	**BRA-LS+3A(surface)**	SM 2540C-2020	957581		
92815295012	**BRA-LS+3(surface)**	SM 2540C-2020	957711		
92815295013	**BRA-LS+3(mid)**	SM 2540C-2020	957711		
92815295014	**BRA-LR+9(bottom)**	SM 2540C-2020	957711		
92815295015	**BRA-LR+10(surface)**	SM 2540C-2020	957711		
92815295016	**BRA-LR+10(mid)**	SM 2540C-2020	957711		
92815295017	**BRA-LR+10(bottom)**	SM 2540C-2020	957711		
92815295001	**BRA-LR-1(surface)**	EPA 9056A	956844		
92815295002	**BRA-LR-1(mid)**	EPA 9056A	956844		
92815295003	**BRA-LR-1(bottom)**	EPA 9056A	956844		
92815295004	**BRA-LR+8A(surface)**	EPA 9056A	956844		
92815295005	**BRA-LR+9A(surface)**	EPA 9056A	956844		
92815295006	**BRA-LR+8(surface)**	EPA 9056A	956844		
92815295007	**BRA-LR+8(mid)**	EPA 9056A	956844		
92815295008	**BRA-LR+8(bottom)**	EPA 9056A	956844		
92815295009	**BRA-LR+9(surface)**	EPA 9056A	956844		
92815295010	**BRA-LR+9(mid)**	EPA 9056A	956844		
92815295011	**BRA-LS+3A(surface)**	EPA 9056A	956844		
92815295012	**BRA-LS+3(surface)**	EPA 9056A	956844		
92815295013	**BRA-LS+3(mid)**	EPA 9056A	956844		
92815295014	**BRA-LR+9(bottom)**	EPA 9056A	956844		
92815295015	**BRA-LR+10(surface)**	EPA 9056A	956851		
92815295016	**BRA-LR+10(mid)**	EPA 9056A	956851		
92815295017	**BRA-LR+10(bottom)**	EPA 9056A	956851		
92815295001	**BRA-LR-1(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295002	**BRA-LR-1(mid)**	EPA 3005A	958956	EPA 6010D	959285
92815295003	**BRA-LR-1(bottom)**	EPA 3005A	958956	EPA 6010D	959285
92815295004	**BRA-LR+8A(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295005	**BRA-LR+9A(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295006	**BRA-LR+8(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295007	**BRA-LR+8(mid)**	EPA 3005A	958956	EPA 6010D	959285
92815295008	**BRA-LR+8(bottom)**	EPA 3005A	958956	EPA 6010D	959285
92815295009	**BRA-LR+9(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295010	**BRA-LR+9(mid)**	EPA 3005A	958956	EPA 6010D	959285
92815295011	**BRA-LS+3A(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295012	**BRA-LS+3(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295013	**BRA-LS+3(mid)**	EPA 3005A	958956	EPA 6010D	959285

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815295

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92815295014	**BRA-LR+9(bottom)**	EPA 3005A	958956	EPA 6010D	959285
92815295015	**BRA-LR+10(surface)**	EPA 3005A	958956	EPA 6010D	959285
92815295016	**BRA-LR+10(mid)**	EPA 3005A	958956	EPA 6010D	959285
92815295017	**BRA-LR+10(bottom)**	EPA 3005A	958956	EPA 6010D	959285
92815295001	**BRA-LR-1(surface)**	EPA 3005A	957015	EPA 6020B	959245
92815295002	**BRA-LR-1(mid)**	EPA 3005A	957015	EPA 6020B	959245
92815295003	**BRA-LR-1(bottom)**	EPA 3005A	957015	EPA 6020B	959245
92815295011	**BRA-LS+3A(surface)**	EPA 3005A	957015	EPA 6020B	959245
92815295012	**BRA-LS+3(surface)**	EPA 3005A	957015	EPA 6020B	959245
92815295013	**BRA-LS+3(mid)**	EPA 3005A	957015	EPA 6020B	959245
92815295015	**BRA-LR+10(surface)**	EPA 3005A	957015	EPA 6020B	959245
92815295016	**BRA-LR+10(mid)**	EPA 3005A	957015	EPA 6020B	959245
92815295017	**BRA-LR+10(bottom)**	EPA 3005A	957015	EPA 6020B	959245

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92815295

PM: MP **Due Date: 09/05/25**

CLIENT: GA-ArcadAtl

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Branch-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Plant Branch SWS	Purchase Order # (if applicable):	GPC82474-0005
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested: 5 Day TAT	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Se ONLY	App. IV Metals - Se	App. III Metals - B, Ca	Cl, F, SO4	TDS	Sample Comment
BRA-LR-1(surface)	WS	G	8/27/25	1113			3				X	X	X	X	Cobalt needed on separate COC
BRA-LR-1(mid)	WS	G	8/27/25	1110			3				X	X	X	X	Cobalt needed on separate COC
BRA-LR-1(bottom)	WS	G	8/27/25	1104			3				X	X	X	X	Cobalt needed on separate COC
BRA-LS+3A(surface)	WS	G	8/27/25	1055			3			X		X	X	X	
BRA-LS+3(surface)	WS	G	8/27/25	1048			3			X		X	X	X	
BRA-LS+3(mid)	WS	G	8/27/25	1050			3			X		X	X	X	
BRA-LR+8A(surface)	WS	G	8/27/25	1118			0								Cobalt needed on separate COC
BRA-LR+9A(surface)	WS	G	8/27/25	1120			0								Cobalt needed on separate COC
BRA-LR+8(surface)	WS	G	8/27/25	1036			0								Cobalt needed on separate COC
BRA-LR+8(mid)	WS	G	8/27/25	1032			0								Cobalt needed on separate COC

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only

Proj. Mgr: Malya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12769

Prelog / Bottle Ord. ID: EZ 3292953

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-2025S2

Collected By: (Printed Name) Garrett G

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
2					

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	8/27/25 1439		8/27/25 1439	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92815295

PM: MP **Due Date: 09/05/25**

CLIENT: GA-ArcadAtl

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Branch-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Plant Branch SWS	Purchase Order # (if applicable):	GPC82474-0005
		Quote #:	
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Georgia
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other		Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
		Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other	DW PWSID # or WW Permit # as applicable:
		Date Results Requested: 5 Day TAT	Field Filtered (if applicable): [ ] Yes [ ] No
			Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Se ONLY	App. IV Metals - Se	App. III Metals - B, Ca	Cl, F, SO4	TDS	Sample Comment
BRA-LR+8(bottom)	WS	G	8/27/25	1029			0								Cobalt needed on separate COC
BRA-LR+9(surface)	WS	G	8/27/25	1022			0								Cobalt needed on separate COC
BRA-LR+9(mid)	WS	G	8/27/25	1019			0								Cobalt needed on separate COC
BRA-LR+9(bottom)	WS	G	8/27/25	1013			0								Cobalt needed on separate COC
BRA-LR+10(surface)	WS	G	8/27/25	0957			3				X	X	X	X	Cobalt needed on separate COC
BRA-LR+10(mid)	WS	G	8/27/25	1000			3				X	X	X	X	Cobalt needed on separate COC
BRA-LR+10(bottom)	WS	G	8/27/25	0951			3				X	X	X	X	Cobalt needed on separate COC

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only

Proj. Mgr: Malya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12769

Prelog / Bottle Ord. ID: EZ 3292953

Preservation non-conformance identified for sample

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-2025S2

Collected By: (Printed Name) Graycott Cr

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	8/27/25 1439		8/27/25 1459	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Arcadis

Project #: WO#: 92815295

PM: MP Due Date: 09/05/25

CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/27/25

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 4.7 **Correction Factor:** Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.7

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project **WO#: 92815295**

PM: MP **Due Date: 09/05/25**

CLIENT: GA-ArcadAtl

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client Arcadis Profile/EZ (Circle one) Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		1	1				✓																						
2		1	1				✓																						
3		1	1																										
4		1	1																										
5		1	1																										
6		1	1																										
7		1	1																										
8		1	1																										
9		1	1																										
10		1	1																										
11		1	1																										
12		1	1																										

pH Adjustment Log for Preserved Samples

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

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

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # 92815295

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1	\				\	\	\	\	\			\		\	\	\									\	\			
2	\				\	\	\	\	\			\		\	\	\									\	\			
3	\				\	\	\	\	\			\		\	\	\									\	\			
4	\				\	\	\	\	\			\		\	\	\									\	\			
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6	\				\	\	\	\	\			\		\	\	\									\	\			
7	\				\	\	\	\	\			\		\	\	\									\	\			
8	\				\	\	\	\	\			\		\	\	\									\	\			
9	\				\	\	\	\	\			\		\	\	\									\	\			
10	\				\	\	\	\	\			\		\	\	\									\	\			
11	\				\	\	\	\	\			\		\	\	\									\	\			
12	\				\	\	\	\	\			\		\	\	\									\	\			

pH Adjustment Log for Preserved Samples

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

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

Qualtrax ID: 80614

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

September 17, 2025

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - West Columbia

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Lauren Fitzgerald, Geosyntec Consultans, Inc
Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92815317001	**BRA-LR-1(surface)**	Water	08/27/25 11:13	08/27/25 14:39
92815317002	**BRA-LR-1(mid)**	Water	08/27/25 11:10	08/27/25 14:39
92815317003	**BRA-LR-1(bottom)**	Water	08/27/25 11:04	08/27/25 14:39
92815317004	**BRA-LR+8A(surface)**	Water	08/27/25 11:18	08/27/25 14:39
92815317005	**BRA-LR+9A(surface)**	Water	08/27/25 11:20	08/27/25 14:39
92815317006	**BRA-LR+8(surface)**	Water	08/27/25 10:36	08/27/25 14:39
92815317007	**BRA-LR+8(mid)**	Water	08/27/25 10:32	08/27/25 14:39
92815317012	**BRA-LR+8(bottom)**	Water	08/27/25 10:29	08/27/25 14:39
92815317013	**BRA-LR+9(surface)**	Water	08/27/25 10:22	08/27/25 14:39
92815317014	**BRA-LR+9(mid)**	Water	08/27/25 10:19	08/27/25 14:39
92815317008	**BRA-LR+9(bottom)**	Water	08/27/25 10:13	08/27/25 14:39
92815317009	**BRA-LR+10(surface)**	Water	08/27/25 09:57	08/27/25 14:39
92815317010	**BRA-LR+10(mid)**	Water	08/27/25 10:00	08/27/25 14:39
92815317011	**BRA-LR+10(bottom)**	Water	08/27/25 09:51	08/27/25 14:39

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SAMPLE ANALYTE COUNT

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92815317001	**BRA-LR-1(surface)**	EPA 6020B	BW	1	PASI-WC
92815317002	**BRA-LR-1(mid)**	EPA 6020B	BW	1	PASI-WC
92815317003	**BRA-LR-1(bottom)**	EPA 6020B	BW	1	PASI-WC
92815317004	**BRA-LR+8A(surface)**	EPA 6020B	BW	1	PASI-WC
92815317005	**BRA-LR+9A(surface)**	EPA 6020B	BW	1	PASI-WC
92815317006	**BRA-LR+8(surface)**	EPA 6020B	BW	1	PASI-WC
92815317007	**BRA-LR+8(mid)**	EPA 6020B	BW	1	PASI-WC
92815317012	**BRA-LR+8(bottom)**	EPA 6020B	BW	1	PASI-WC
92815317013	**BRA-LR+9(surface)**	EPA 6020B	BW	1	PASI-WC
92815317014	**BRA-LR+9(mid)**	EPA 6020B	BW	1	PASI-WC
92815317008	**BRA-LR+9(bottom)**	EPA 6020B	BW	1	PASI-WC
92815317009	**BRA-LR+10(surface)**	EPA 6020B	BW	1	PASI-WC
92815317010	**BRA-LR+10(mid)**	EPA 6020B	BW	1	PASI-WC
92815317011	**BRA-LR+10(bottom)**	EPA 6020B	BW	1	PASI-WC

PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR-1(surface) **Lab ID: 92815317001** Collected: 08/27/25 11:13 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 19:58	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR-1(mid) **Lab ID: 92815317002** Collected: 08/27/25 11:10 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:06	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR-1(bottom) **Lab ID: 92815317003** Collected: 08/27/25 11:04 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:14	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+8A(surface) **Lab ID: 92815317004** Collected: 08/27/25 11:18 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 16:24	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+9A(surface) **Lab ID: 92815317005** Collected: 08/27/25 11:20 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 17:06	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+8(surface) **Lab ID: 92815317006** Collected: 08/27/25 10:36 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 17:14	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+8(mid) **Lab ID: 92815317007** Collected: 08/27/25 10:32 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 17:23	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+8(bottom) **Lab ID: 92815317012** Collected: 08/27/25 10:29 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 17:57	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+9(surface) **Lab ID: 92815317013** Collected: 08/27/25 10:22 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 18:05	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+9(mid) **Lab ID: 92815317014** Collected: 08/27/25 10:19 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 18:13	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+9(bottom) **Lab ID: 92815317008** Collected: 08/27/25 10:13 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	09/15/25 15:28	09/16/25 17:48	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+10(surface) **Lab ID: 92815317009** Collected: 08/27/25 09:57 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 20:48	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+10(mid) **Lab ID: 92815317010** Collected: 08/27/25 10:00 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 21:14	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Sample: BRA-LR+10(bottom) **Lab ID: 92815317011** Collected: 08/27/25 09:51 Received: 08/27/25 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	08/29/25 08:43	09/09/25 21:22	7440-48-4	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

QC Batch: 959042
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92815317001, 92815317002, 92815317003, 92815317009, 92815317010, 92815317011

METHOD BLANK: 4928065 Matrix: Water
Associated Lab Samples: 92815317001, 92815317002, 92815317003, 92815317009, 92815317010, 92815317011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0050	09/09/25 19:41	

LABORATORY CONTROL SAMPLE: 4928066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.1	0.10	103	80-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

QC Batch: 960334
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92815317004, 92815317005, 92815317006, 92815317007, 92815317008, 92815317012, 92815317013, 92815317014

METHOD BLANK: 4934948 Matrix: Water
Associated Lab Samples: 92815317004, 92815317005, 92815317006, 92815317007, 92815317008, 92815317012, 92815317013, 92815317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0050	09/16/25 16:07	

LABORATORY CONTROL SAMPLE: 4934949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4934950 4934951

Parameter	Units	92815317004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.1	0.1	0.098	0.097	97	97	75-125	0	20	

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QUALIFIERS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92815317

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92815317001	**BRA-LR-1(surface)**	EPA 3005A	959042	EPA 6020B	959247
92815317002	**BRA-LR-1(mid)**	EPA 3005A	959042	EPA 6020B	959247
92815317003	**BRA-LR-1(bottom)**	EPA 3005A	959042	EPA 6020B	959247
92815317004	**BRA-LR+8A(surface)**	EPA 3005A	960334	EPA 6020B	960726
92815317005	**BRA-LR+9A(surface)**	EPA 3005A	960334	EPA 6020B	960726
92815317006	**BRA-LR+8(surface)**	EPA 3005A	960334	EPA 6020B	960726
92815317007	**BRA-LR+8(mid)**	EPA 3005A	960334	EPA 6020B	960726
92815317008	**BRA-LR+9(bottom)**	EPA 3005A	960334	EPA 6020B	960726
92815317009	**BRA-LR+10(surface)**	EPA 3005A	959042	EPA 6020B	959247
92815317010	**BRA-LR+10(mid)**	EPA 3005A	959042	EPA 6020B	959247
92815317011	**BRA-LR+10(bottom)**	EPA 3005A	959042	EPA 6020B	959247
92815317012	**BRA-LR+8(bottom)**	EPA 3005A	960334	EPA 6020B	960726
92815317013	**BRA-LR+9(surface)**	EPA 3005A	960334	EPA 6020B	960726
92815317014	**BRA-LR+9(mid)**	EPA 3005A	960334	EPA 6020B	960726

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92815317

92815317

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Branch-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	Plant Branch SWS	Purchase Order # (If applicable):	GPC82474-0005
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

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

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co ONLY	App. IV Metals - Co	App. III Metals - B, Ca	Cl, F, SO4	TDS	Sample Comment
BRA-LR-1(surface)	WS	G	8/27/25	1113			0				X				Cobalt needed on separate COC
BRA-LR-1(mid)	WS	G	8/27/25	1110			0				X				Cobalt needed on separate COC
BRA-LR-1(bottom)	WS	G	8/27/25	1104			0				X				Cobalt needed on separate COC
BRA-LR+8A(surface)	WS	G	8/27/25	1118			3			X	X	X	X	X	
BRA-LR+9A(surface)	WS	G	8/27/25	1120			3			X	X	X	X	X	
BRA-LR+8(surface)	WS	G	8/27/25	1036			3			X	X	X	X	X	
BRA-LR+8(mid)	WS	G	8/27/25	1032			3			X	X	X	X	X	
BRA-LR+8(bottom)	WS	G	8/27/25	1029			3			X	X	X	X	X	
BRA-LR+9(surface)	WS	G	8/27/25	1022			3			X	X	X	X	X	
BRA-LR+9(mid)	WS	G	8/27/25	1019			3			X	X	X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only

Proj. Mgr: Malya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12769

Prelog / Bottle Ord ID: EZ 3292953

Preservation non-conformance identified for sample.

Additional Instructions from Pace®: BRA-CSURF-ASSMT-2025S2

Collected By: (Printed Name) Grant H Gi

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number
Arcadis	8/27/25 1439		8/27/25 1439	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92815317

PM: MP **Due Date: 09/05/25**

CLIENT: GA-ArcadAtl

Company Name:	ARCADIS US, Inc. - Atlanta
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339
Customer Project #:	
Project Name:	Plant Branch-CCR Ash Pond
Site Collection Info/Facility ID (as applicable):	Plant Branch SWS
Time Zone Collected:	[ ] AK [ ] PT [ ] MT [ ] CT [ ] ET
Data Deliverables:	[ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Contact/Report To:	Priya Johnson
Phone #:	(618)790-6528
E-Mail:	priya.johnson@arcadis.com
Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Invoice To:	Accounts Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0005
Quote #:	
County / State origin of sample(s):	Georgia
Regulatory Program (DW, RCRA, etc.) as applicable:	Reportable [ ] Yes [ ] No
Rush (Pre-approval required):	[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____
DW PWSID # or WW Permit # as applicable:	
Date Results Requested:	5Day TAT
Field Filtered (if applicable):	[ ] Yes [ ] No
Analysis:	

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co ONLY	App. IV Metals - Co	App. III Metals - B, Ca	Cl, F, SO4	TDS	Sample Comment
BRA-LR+9(bottom)	WS	G	8/27/25	1013			3			X		X	X	X	
BRA-LR+10(surface)	WS	G	8/27/25	0957			0				X				Cobalt needed on separate COC
BRA-LR+10(mid)	WS	G	8/27/25	1000			0				X				Cobalt needed on separate COC
BRA-LR+10(bottom)	WS	G	8/27/25	0951			0				X				Cobalt needed on separate COC

Specify Container Size ** (1) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

Identify Container Preservative Type***

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

Lab Use Only

Proj. Mgr: Maiya Parks
AcctNum / Client ID:
Table #:
Profile / Template: 12769
Prelog / Bottle Ord. ID: EZ 3292953

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-2025S2

Collected By:
(Printed Name) Gareth G.
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs Temp (°C)	Corrected Temp (°C)	On Ice:

Relinquished by/Company: (Signature) Arcadis	Date/Time: 8/27/25 1439	Received by/Company: (Signature)	Date/Time: 8/27/25 1439	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO# : 92815317

PM: MP Due Date: 09/05/25

CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☐ No Seals Intact? ☐ Yes ☐ No ☐ N/A

Date/Initials Person Examining Contents: 8/7/25 CW

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☐ IR Gun ID: 083

Type of Ice: ☐ Wet ☐ Blue ☐ None

Cooler Temp: 4.7 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 4.7

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92815317**

PM: MP Due Date: 09/05/25
CLIENT: GA-ArcadAtl

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	ICP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

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

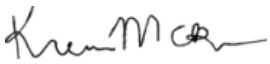
Not Applicable

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

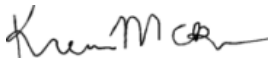
** Analyte is a surrogate compound

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.

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: #Auld, J. May, ACC J. Bensford
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- 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	#Auld	8-27-25	0820	Bobby Spears	8-27-25	8:20
2	Bobby Spears	8-27-25	12:55	Mcmahon	8/27/25	12:55
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	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.
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, list all air bill numbers and the package ID of the package containing the COC/radiation or radioactive stickers on containers could client designation.
1d. Was the client notified of all samples identified as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): (CPM) mR/Hr
1e. Are there any sample hazards to document?		✓	Classified as: Rad 1 Rad 2 Rad 3
1f. Was a SDS received and reviewed by Lab Mgr?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
			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 Celsius
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:
6. 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:
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:

13. (If 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

September 29, 2025

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

Re: Plant Branch Ash Ponds Relog: RADIOCHEM
Work Order: 740586

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 29, 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
740586001	BRA-BRGWC-30I	Ground Water	08/27/25 10:10	08/29/25 08:20
740586002	BRA-BRGWC-44	Ground Water	08/27/25 11:22	08/29/25 08:20
740586003	BRA-BRGWC-52I	Ground Water	08/27/25 14:00	08/29/25 08:20
740586004	BRA-PZ-63I	Ground Water	08/27/25 16:30	08/29/25 08:20
740586005	BRA-PZ-68D	Ground Water	08/27/25 09:17	08/29/25 08:20
740586006	BRA-PZ-74I	Ground Water	08/27/25 14:56	08/29/25 08:20
740586007	BRA-PZ-75I	Ground Water	08/27/25 12:04	08/29/25 08:20
740586008	BRA-APBCD-FD-02	Ground Water	08/27/25 12:00	08/29/25 08:20
740586009	BRA-APBCD-EB-05	Water	08/27/25 16:25	08/29/25 08:20
740586010	BRA-BRGWC-25I	Ground Water	08/28/25 10:07	08/29/25 08:20
740586011	BRA-APBCD-FB-02	Water	08/28/25 09:55	08/29/25 08:20

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

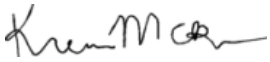
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	29-SEP-2025
EPA 903.1 Modified	26-SEP-2025
EPA 904.0/SW846 9320 Modified	26-SEP-2025
EPA 904.0/SW846 9320 Modified	29-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: 740586 GEL Work Order: 740586

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

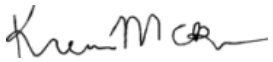
** Analyte is a surrogate compound

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 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-BRGWC-30I
Sample ID: 740586001
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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		2.75	+/-1.27	1.76	+/-1.49	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.84	+/-1.45	1.76	+/-1.75		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.09	+/-0.698	0.374	+/-0.914	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	72.7	(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 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-BRGWC-44
Sample ID: 740586002
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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		1.69	+/-1.05	1.58	+/-1.15	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.96	+/-1.27	1.58	+/-1.50		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.27	+/-0.712	0.302	+/-0.968	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	87.8	(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 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-BRGWC-52I
Sample ID: 740586003
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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		7.84	+/-2.09	2.65	+/-3.02	3.00	pCi/L			CH7	09/29/25	0834	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		9.43	+/-2.17	2.65	+/-3.09		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.58	+/-0.572	0.459	+/-0.626	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	73.3	(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

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Company : Georgia Power Company, Southern
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Atlanta, Georgia 30308 Report Date: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-PZ-63I
Sample ID: 740586004
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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		1.97	+/-1.19	1.81	+/-1.32	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.38	+/-1.34	1.81	+/-1.48		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.41	+/-0.611	0.735	+/-0.666	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	77.6	(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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Company : Georgia Power Company, Southern
Address : Company
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Atlanta, Georgia 30308 Report Date: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-PZ-68D
Sample ID: 740586005
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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	1.34	+/-1.10	1.76	+/-1.16	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.12	+/-1.18	1.76	+/-1.24		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.785	+/-0.423	0.400	+/-0.441	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	84.6	(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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Certificate of Analysis

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

Atlanta, Georgia 30308 Report Date: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-PZ-74I
Sample ID: 740586006
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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	1.34	+/-1.30	2.13	+/-1.36	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.68	+/-1.33	2.13	+/-1.40		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.346	+/-0.311	0.473	+/-0.317	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	70.3	(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

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Certificate of Analysis

Company : Georgia Power Company, Southern
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Atlanta, Georgia 30308 Report Date: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-PZ-75I
Sample ID: 740586007
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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	1.15	+/-1.01	1.64	+/-1.06	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.63	+/-1.05	1.64	+/-1.10		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.484	+/-0.296	0.309	+/-0.309	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	86	(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
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Atlanta, Georgia 30308 Report Date: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-APBCD-FD-02
Sample ID: 740586008
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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		6.04	+/-1.97	2.64	+/-2.59	3.00	pCi/L			CH7	09/29/25	0834	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		8.77	+/-2.08	2.64	+/-2.71		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.73	+/-0.676	0.443	+/-0.806	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	70.9	(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: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-APBCD-EB-05 Project: GPCC00325
Sample ID: 740586009 Client ID: GPCC002
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-AUG-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		1.98	+/-1.17	1.76	+/-1.30	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.30	+/-1.20	1.76	+/-1.32		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.320	+/-0.248	0.306	+/-0.253	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	81	(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: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-BRGWC-25I
Sample ID: 740586010
Matrix: WG
Collect Date: 28-AUG-25
Receive Date: 29-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	1.12	+/-1.08	1.77	+/-1.12	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.62	+/-1.29	1.77	+/-1.41		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.50	+/-0.704	0.661	+/-0.851	1.00	pCi/L			AW6	09/26/25	0825	2859209	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"	2856231	89.8	(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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Certificate of Analysis

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

Atlanta, Georgia 30308 Report Date: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: RADIOCHEM

Client Sample ID: BRA-APBCD-FB-02
Sample ID: 740586011
Matrix: WG
Collect Date: 28-AUG-25
Receive Date: 29-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		2.46	+/-1.27	1.83	+/-1.44	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.83	+/-1.31	1.83	+/-1.49		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.366	+/-0.336	0.506	+/-0.346	1.00	pCi/L			AW6	09/26/25	0859	2859209	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"	2856231	74.9	(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 #: 740586

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2856236

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

GEL Sample ID#	Client Sample Identification
740586001	BRA-BRGWC-30I
740586002	BRA-BRGWC-44
740586003	BRA-BRGWC-52I
740586004	BRA-PZ-63I
740586005	BRA-PZ-68D
740586006	BRA-PZ-74I
740586007	BRA-PZ-75I
740586008	BRA-APBCD-FD-02
740586009	BRA-APBCD-EB-05
740586010	BRA-BRGWC-25I
740586011	BRA-APBCD-FB-02

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: 2856231

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

GEL Sample ID#	Client Sample Identification
740586001	BRA-BRGWC-30I
740586002	BRA-BRGWC-44
740586003	BRA-BRGWC-52I
740586004	BRA-PZ-63I
740586005	BRA-PZ-68D
740586006	BRA-PZ-74I
740586007	BRA-PZ-75I
740586008	BRA-APBCD-FD-02
740586009	BRA-APBCD-EB-05
740586010	BRA-BRGWC-25I
740586011	BRA-APBCD-FB-02

1206219922	Method Blank (MB)
1206219923	740574001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206219924	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.

Preparation Information

Homogenous Matrix
Sample 1206219923 (BRA-BRGWA-23SDUP) was non-homogenous matrix.
Orange tint with orange particles settled on the bottom. 1206219923 (BRA-BRGWA-23SDUP).

Technical Information

Recounts
Samples 740586003 (BRA-BRGWC-52I) and 740586008 (BRA-APBCD-FD-02) 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: 2859209

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

GEL Sample ID#	Client Sample Identification
740586001	BRA-BRGWC-30I
740586002	BRA-BRGWC-44
740586003	BRA-BRGWC-52I
740586004	BRA-PZ-63I
740586005	BRA-PZ-68D
740586006	BRA-PZ-74I
740586007	BRA-PZ-75I
740586008	BRA-APBCD-FD-02
740586009	BRA-APBCD-EB-05
740586010	BRA-BRGWC-25I
740586011	BRA-APBCD-FB-02
1206225906	Method Blank (MB)
1206225907	740574001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206225908	740574001(BRA-BRGWA-23S) Matrix Spike (MS)
1206225909	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, 1206225908 (BRA-BRGWA-23SMS), 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.

QC Summary

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

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **740586**

Report Date: September 29, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2856231										
QC1206219923 740574001 DUP										
Radium-228		1.93		3.60	pCi/L	60.5		(0% - 100%)	CH7	09/26/2510:46
	Uncert:	+/-1.25		+/-1.45						
	TPU:	+/-1.36		+/-1.77						
QC1206219924 LCS										
Radium-228	80.8			86.0	pCi/L		107	(75%-125%)	CH7	09/26/2510:46
	Uncert:			+/-4.99						
	TPU:			+/-24.8						
QC1206219922 MB										
Radium-228			U	1.56	pCi/L				CH7	09/26/2510:46
	Uncert:			+/-1.10						
	TPU:			+/-1.18						
Rad Ra-226										
Batch 2859209										
QC1206225907 740574001 DUP										
Radium-226		1.94		1.00	pCi/L	63.5		(0% - 100%)	AW6	09/26/2508:59
	Uncert:	+/-0.631		+/-0.496						
	TPU:	+/-0.707		+/-0.525						
QC1206225909 LCS										
Radium-226	27.0			27.7	pCi/L		103	(75%-125%)	AW6	09/26/2510:07
	Uncert:			+/-2.27						
	TPU:			+/-4.61						
QC1206225906 MB										
Radium-226			U	0.470	pCi/L				AW6	09/26/2508:59
	Uncert:			+/-0.354						
	TPU:			+/-0.361						
QC1206225908 740574001 MS										
Radium-226	132	1.94		144	pCi/L		108	(75%-125%)	AW6	09/26/2508:59
	Uncert:	+/-0.631		+/-10.8						
	TPU:	+/-0.707		+/-34.8						

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: **740586**

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.

740584 · 740586

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

Client Name: GA Power
Phone # 404-506-7116

Project/Site Name: Plant Branch Ash Ponds - BCD
Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: H. Axtell, T. May, J. Beristorel 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	Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
BRA- BRGWC-30I	08/27/25	1010	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-44	08/27/25	1122	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-52I	08/27/25	1400	G	N	WG			6	✓	✓	✓	
BRA- ~~BRGWC-63I~~ PZ-63I (HA)	08/27/25	1630	G	N	WG			6	✓	✓	✓	
BRA- PZ-68D	08/27/25	0917	G	N	WG			6	✓	✓	✓	
BRA- PZ-74I	08/27/25	1456	G	N	WG			6	✓	✓	✓	
BRA- PZ-75I	08/27/25	1204	G	N	WG			6	✓	✓	✓	
BRA- APBCD-FD-02	08/27/25	—	G	N	WG			6	✓	✓	✓	
BRA- APBCD-EB-05	08/27/25	1625	G	N	WQ			6	✓	✓	✓	
BRA- BRGWC-25I	08/28/25	1007	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		8/29/25	0820			820
2						
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* 3-6 °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

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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 - BCD | Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: A. Auld, J. May 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- APSCD - FB-02	08/28/25	0955	G	N	WQ			6	✓	✓	✓	WQ
BRA-												
BRA-												
BRA-												
BRA-												
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		8/29/25	0820		8/29/25	820
2						
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:* 3-6 °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.)

740573 740584
740574 740586
740577 740589

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

740579

Client: GPCC	SDG/AR/COC/Work Order:	GEL PM: AP
Received By: KE	Date Received at GEL: 08/29/25	

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

IR Temp gun # IR1-25 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler #1	4°		Cooler #6	4°	
Cooler #2	4°		Cooler #7	5°	
Cooler #3	4°				
Cooler #4	6°				
Cooler #5	3°				

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 VNT Date 9/3/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 29 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 29, 2025

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

Re: Plant Branch Ash Ponds Relog: Radiochem
Work Order: 740574

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 29, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was 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
740574001	BRA-BRGWA-23S	Ground Water	08/27/25 10:23	08/29/25 08:20

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

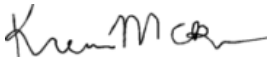
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	29-SEP-2025
EPA 903.1 Modified	26-SEP-2025
EPA 904.0/SW846 9320 Modified	26-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: 740574 GEL Work Order: 740574

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

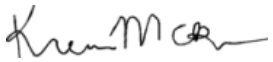
** Analyte is a surrogate compound

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 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: Radiochem

Client Sample ID: BRA-BRGWA-23S
Sample ID: 740574001
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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		1.93	+/-1.25	1.90	+/-1.36	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.86	+/-1.40	1.90	+/-1.54		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.94	+/-0.631	0.390	+/-0.707	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	79.2	(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

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 740574

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2856236

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

GEL Sample ID#	Client Sample Identification
740574001	BRA-BRGWA-23S

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: 2856231

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

GEL Sample ID#	Client Sample Identification
740574001	BRA-BRGWA-23S
1206219922	Method Blank (MB)
1206219923	740574001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206219924	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.

Preparation Information

Homogenous Matrix
Samples 1206219923 (BRA-BRGWA-23SDUP) and 740574001 (BRA-BRGWA-23S) were non-homogenous matrix.
Orange tint with orange particles settled on the bottom. 1206219923 (BRA-BRGWA-23SDUP) and 740574001 (BRA-BRGWA-23S).

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2859209

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

GEL Sample ID#	Client Sample Identification
740574001	BRA-BRGWA-23S
1206225906	Method Blank (MB)
1206225907	740574001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206225908	740574001(BRA-BRGWA-23S) Matrix Spike (MS)
1206225909	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, 1206225908 (BRA-BRGWA-23SMS), 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: **740574**

Report Date: September 29, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2856231										
QC1206219923 740574001 DUP										
Radium-228		1.93		3.60	pCi/L	60.5		(0% - 100%)	CH7	09/26/2510:46
	Uncert:	+/-1.25		+/-1.45						
	TPU:	+/-1.36		+/-1.77						
QC1206219924 LCS										
Radium-228	80.8			86.0	pCi/L		107	(75%-125%)	CH7	09/26/2510:46
	Uncert:			+/-4.99						
	TPU:			+/-24.8						
QC1206219922 MB										
Radium-228			U	1.56	pCi/L				CH7	09/26/2510:46
	Uncert:			+/-1.10						
	TPU:			+/-1.18						
Rad Ra-226										
Batch 2859209										
QC1206225907 740574001 DUP										
Radium-226		1.94		1.00	pCi/L	63.5		(0% - 100%)	AW6	09/26/2508:59
	Uncert:	+/-0.631		+/-0.496						
	TPU:	+/-0.707		+/-0.525						
QC1206225909 LCS										
Radium-226	27.0			27.7	pCi/L		103	(75%-125%)	AW6	09/26/2510:07
	Uncert:			+/-2.27						
	TPU:			+/-4.61						
QC1206225906 MB										
Radium-226			U	0.470	pCi/L				AW6	09/26/2508:59
	Uncert:			+/-0.354						
	TPU:			+/-0.361						
QC1206225908 740574001 MS										
Radium-226	132	1.94		144	pCi/L		108	(75%-125%)	AW6	09/26/2508:59
	Uncert:	+/-0.631		+/-10.8						
	TPU:	+/-0.707		+/-34.8						

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: **740574**

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.

740573
740574

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

GEL Laboratories LLC
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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 ~~Upgradient~~ BCD (SW)
Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: H. Auld J. May 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- BRGWA-23S	08/27/25	1023	G	N	WG			6	✓	✓	✓							
~~BRA- BRGWC-30I~~	~~08/27/25~~	~~1010~~	~~G~~	~~N~~	~~WG~~			6	✓	✓	✓							
~~BRA- BRGWC-44~~	~~08/27/25~~	~~1122~~	~~G~~	~~N~~	~~WG~~			6	✓	✓	✓							
BRA-																		
BRA-																		
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		8/29/25	0820		8/29/25	820
2						
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:* 3-6 °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.)

740573 740584
740574 740586
740577 740589

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 740579	GEL PM: AP
Received By: KE	Date Received at GEL: 08/29/25	

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

IR Temp gun # IR1-25 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).
Cooler #1	4°		Cooler #6	4°	
Cooler #2	4°		Cooler #7	5°	
Cooler #3	4°				
Cooler #4	6°				
Cooler #5	3°				

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 VNT Date 9/3/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 29 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 29, 2025

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

Re: Plant Branch Ash Ponds Relog: Radiochem
Work Order: 740579

Dear Joju Abraham:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 29, 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
740579001	BRA-PZ-81	Ground Water	08/27/25 13:40	08/29/25 08:20
740579002	BRA-APBCD-FD-20	Ground Water	08/27/25 12:00	08/29/25 08:20
740579003	BRA-APBCD-FB-21	Water	08/27/25 16:00	08/29/25 08:20
740579004	BRA-PZ-80	Ground Water	08/28/25 10:09	08/29/25 08:20
740579005	BRA-APBCD-EB-22	Water	08/28/25 10:30	08/29/25 08:20

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

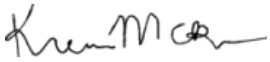
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	29-SEP-2025
EPA 903.1 Modified	26-SEP-2025
EPA 904.0/SW846 9320 Modified	26-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: 740579 GEL Work Order: 740579

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

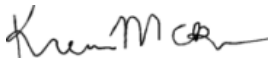
** Analyte is a surrogate compound

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 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: Radiochem

Client Sample ID: BRA-PZ-81
Sample ID: 740579001
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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	0.767	+/-0.882	1.48	+/-0.908	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.07	+/-1.01	1.48	+/-1.05		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.30	+/-0.488	0.497	+/-0.531	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	82	(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 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: Radiochem

Client Sample ID: BRA-APBCD-FD-20
Sample ID: 740579002
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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		2.29	+/-1.29	1.90	+/-1.45	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.75	+/-1.41	1.90	+/-1.58		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.46	+/-0.577	0.499	+/-0.630	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	70.5	(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 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: Radiochem

Client Sample ID: BRA-APBCD-FB-21
Sample ID: 740579003
Matrix: WG
Collect Date: 27-AUG-25
Receive Date: 29-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	1.37	+/-1.09	1.72	+/-1.15	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.25	+/-1.29	1.72	+/-1.44		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.88	+/-0.694	0.395	+/-0.856	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	78.6	(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: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: Radiochem

Client Sample ID: BRA-PZ-80
Sample ID: 740579004
Matrix: WG
Collect Date: 28-AUG-25
Receive Date: 29-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	1.57	+/-1.10	1.71	+/-1.19	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.61	+/-1.25	1.71	+/-1.41		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.04	+/-0.602	0.339	+/-0.773	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	78.2	(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: September 29, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog: Radiochem

Client Sample ID: BRA-APBCD-EB-22
Sample ID: 740579005
Matrix: WG
Collect Date: 28-AUG-25
Receive Date: 29-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	1.12	+/-1.14	1.89	+/-1.19	3.00	pCi/L			CH7	09/26/25	1046	2856231	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.55	+/-1.41	1.89	+/-1.56		pCi/L		1	NXL1	09/29/25	1029	2856236	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.43	+/-0.823	0.570	+/-1.01	1.00	pCi/L			AW6	09/26/25	0747	2859209	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"	2856231	74.3	(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: 2856236

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

GEL Sample ID#	Client Sample Identification
740579001	BRA-PZ-81
740579002	BRA-APBCD-FD-20
740579003	BRA-APBCD-FB-21
740579004	BRA-PZ-80
740579005	BRA-APBCD-EB-22

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: 2856231

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

GEL Sample ID#	Client Sample Identification
740579001	BRA-PZ-81
740579002	BRA-APBCD-FD-20
740579003	BRA-APBCD-FB-21
740579004	BRA-PZ-80
740579005	BRA-APBCD-EB-22
1206219922	Method Blank (MB)
1206219923	740574001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206219924	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.

Preparation Information

Homogenous Matrix
Sample 1206219923 (BRA-BRGWA-23SDUP) was non-homogenous matrix.
Orange tint with orange particles settled on the bottom. 1206219923 (BRA-BRGWA-23SDUP).

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2859209

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

GEL Sample ID#	Client Sample Identification
740579001	BRA-PZ-81
740579002	BRA-APBCD-FD-20
740579003	BRA-APBCD-FB-21
740579004	BRA-PZ-80
740579005	BRA-APBCD-EB-22
1206225906	Method Blank (MB)
1206225907	740574001(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206225908	740574001(BRA-BRGWA-23S) Matrix Spike (MS)
1206225909	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, 1206225908 (BRA-BRGWA-23SMS), 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.

QC Summary

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

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **740579**

Report Date: September 29, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2856231										
QC1206219923 740574001 DUP										
Radium-228		1.93		3.60	pCi/L	60.5		(0% - 100%)	CH7	09/26/2510:46
Uncert:		+/-1.25		+/-1.45						
TPU:		+/-1.36		+/-1.77						
QC1206219924 LCS										
Radium-228	80.8			86.0	pCi/L		107	(75%-125%)	CH7	09/26/2510:46
Uncert:				+/-4.99						
TPU:				+/-24.8						
QC1206219922 MB										
Radium-228			U	1.56	pCi/L				CH7	09/26/2510:46
Uncert:				+/-1.10						
TPU:				+/-1.18						
Rad Ra-226										
Batch 2859209										
QC1206225907 740574001 DUP										
Radium-226		1.94		1.00	pCi/L	63.5		(0% - 100%)	AW6	09/26/2508:59
Uncert:		+/-0.631		+/-0.496						
TPU:		+/-0.707		+/-0.525						
QC1206225909 LCS										
Radium-226	27.0			27.7	pCi/L		103	(75%-125%)	AW6	09/26/2510:07
Uncert:				+/-2.27						
TPU:				+/-4.61						
QC1206225906 MB										
Radium-226			U	0.470	pCi/L				AW6	09/26/2508:59
Uncert:				+/-0.354						
TPU:				+/-0.361						
QC1206225908 740574001 MS										
Radium-226	132	1.94		144	pCi/L		108	(75%-125%)	AW6	09/26/2508:59
Uncert:		+/-0.631		+/-10.8						
TPU:		+/-0.707		+/-34.8						

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: **740579**

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.

740577 • 740579

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

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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 - Background | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: H. Amick J. May 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.)	(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- PZ-81	08/27/25	1340	G	N	WG			6	✓	✓	✓	
BRA - APBCD - FD-20	08/27/25	—	G	N	WG			6	✓	✓	✓	
BRA - APBCD - FB-21	08/27/25	1600	G	N	WQ			6	✓	✓	✓	
BRA - PZ-80	08/28/25	1009	G	N	WG			6	✓	✓	✓	
BRA - APBCD - EB-22	08/28/25	1030	G	N	WQ			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-OTH-20250827

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		8/29/25	0820		8/29/25	820
2						
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* 3-6 °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.)

740573 740584
740574 740586
740577 740589

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 740579	GEL PM: AP
Received By: KE	Date Received at GEL: 08/29/25	

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

IR Temp gun # IR1-25 Daily Calibration Performed? (Y)/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler #1	4°		Cooler #6	4°	
Cooler #2	4°		Cooler #7	5°	
Cooler #3	4°				
Cooler #4	6°				
Cooler #5	3°				

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 VM Date 9/3/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 29 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: 740273

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
740273001	BRA-BRGWC-27I	Ground Water	08/26/25 15:32	08/27/25 12:55
740273002	BRA-BRGWC-29I	Ground Water	08/26/25 14:08	08/27/25 12:55
740273003	BRA-BRGWC-32S	Ground Water	08/26/25 16:12	08/27/25 12:55
740273004	BRA-BRGWC-45	Ground Water	08/26/25 14:05	08/27/25 12:55
740273005	BRA-BRGWC-47	Ground Water	08/26/25 15:11	08/27/25 12:55
740273006	BRA-APBCD-FD-01	Ground Water	08/26/25 12:00	08/27/25 12:55
740273007	BRA-APBCD-FB-01	Water	08/26/25 14:55	08/27/25 12:55
740273008	BRA-APBCD-EB-04	Water	08/26/25 16:25	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

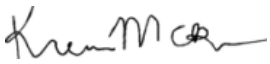
Analysis Methods and Analysis Dates

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: 740273 GEL Work Order: 740273

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

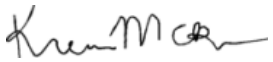
** Analyte is a surrogate compound

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-BRGWC-27I
Sample ID: 740273001
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		3.35	+/-1.37	1.81	+/-1.65	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.96	+/-1.42	1.81	+/-1.70		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.617	+/-0.390	0.426	+/-0.407	1.00	pCi/L			LB2	09/24/25	0802	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	89.2	(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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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-BRGWC-29I
Sample ID: 740273002
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		4.80	+/-1.47	1.73	+/-2.00	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.92	+/-1.57	1.73	+/-2.08		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.12	+/-0.541	0.587	+/-0.570	1.00	pCi/L			LB2	09/24/25	0802	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	76.9	(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: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-32S
Sample ID: 740273003
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		2.24	+/-1.23	1.80	+/-1.38	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.77	+/-1.28	1.80	+/-1.43		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.534	+/-0.355	0.376	+/-0.365	1.00	pCi/L			LB2	09/24/25	0802	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	81.5	(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: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-45
Sample ID: 740273004
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		3.05	+/-1.34	1.82	+/-1.59	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.39	+/-1.37	1.82	+/-1.62		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.341	+/-0.305	0.400	+/-0.309	1.00	pCi/L			LB2	09/24/25	0802	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	81.5	(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: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-BRGWC-47
Sample ID: 740273005
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		3.66	+/-1.61	2.28	+/-1.91	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.34	+/-1.67	2.28	+/-1.96		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.685	+/-0.429	0.382	+/-0.440	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	83.6	(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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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-APBCD-FD-01
Sample ID: 740273006
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		4.66	+/-1.54	1.97	+/-2.03	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.41	+/-1.61	1.97	+/-2.08		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.757	+/-0.456	0.480	+/-0.477	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	78.3	(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

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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: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APBCD-FB-01
Sample ID: 740273007
Matrix: WQ
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		4.56	+/-1.58	2.04	+/-2.04	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.86	+/-1.62	2.04	+/-2.06		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.294	+/-0.337	0.516	+/-0.343	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	(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: September 24, 2025

Contact: Joju Abraham

Project: Plant Branch Ash PondsRelog:

Client Sample ID: BRA-APBCD-EB-04 Project: GPCC00325
Sample ID: 740273008 Client ID: GPCC002
Matrix: WQ
Collect Date: 26-AUG-25
Receive Date: 27-AUG-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		3.44	+/-1.54	2.17	+/-1.88	3.00	pCi/L			JE1	09/22/25	0919	2854737	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.74	+/-1.57	2.17	+/-1.91		pCi/L		1	LXB3	09/24/25	1011	2854756	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.301	+/-0.295	0.436	+/-0.299	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	76.2	(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

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 740273

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
740273001	BRA-BRGWC-27I
740273002	BRA-BRGWC-29I
740273003	BRA-BRGWC-32S
740273004	BRA-BRGWC-45
740273005	BRA-BRGWC-47
740273006	BRA-APBCD-FD-01
740273007	BRA-APBCD-FB-01
740273008	BRA-APBCD-EB-04

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
740273001	BRA-BRGWC-27I
740273002	BRA-BRGWC-29I
740273003	BRA-BRGWC-32S
740273004	BRA-BRGWC-45
740273005	BRA-BRGWC-47
740273006	BRA-APBCD-FD-01
740273007	BRA-APBCD-FB-01
740273008	BRA-APBCD-EB-04
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
740273001	BRA-BRGWC-27I
740273002	BRA-BRGWC-29I
740273003	BRA-BRGWC-32S
740273004	BRA-BRGWC-45
740273005	BRA-BRGWC-47
740273006	BRA-APBCD-FD-01
740273007	BRA-APBCD-FB-01
740273008	BRA-APBCD-EB-04
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.

QC Summary

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

Atlanta, Georgia

Contact: **Joju Abraham**

Workorder: **740273**

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: **740273**

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
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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

740272
740273

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Branch Ash Ponds - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: H. Auld, J. May, J. Benford, ACC | 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	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6) / Comments
BRA- BRGWC-27I	08/26/25	1532	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-29I	08/26/25	1408	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-32S	08/26/25	1612	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-45	08/26/25	1405	G	N	WG			6	✓	✓	✓	
BRA- BRGWC-47	08/26/25	1511	G	N	WG			6	✓	✓	✓	
BRA- APBCD-FD-01	08/26/25	-	G	N	WG			6	✓	✓	✓	
BRA- APBCD-FB-01	08/26/25	1455	G	N	WQ			6	✓	✓	✓	
BRA- APBCD-EB-04	08/26/25	1625	G	N	WQ			6	✓	✓	✓	
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	H Auld	8-27-25	0820	Bobby Lyon	8.27.25	8:20
2	Bobby Lyon	8.27.25	12:55	C McMahon	8/27/25	12:55
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

Received By: Stacy Boone

Date Received at GEL: Aug 27, 2025

GEL PM:

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.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Did the client designate the samples are to be received as radioactive?		✓	If UN2910, is the Radioactive Shipment Survey Compliant? Yes___ No___
Did the RSO classify the samples as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
Are there any sample hazards to document?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ___ (CPM) mR/Hr
Was a SDS received and reviewed by Lab Safety?		✓	Classified as: Rad 1 Rad 2 Rad 3
			If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
			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)

13. Comments:

(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

Geosyntec consultants

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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 (^{o}C), outside the EPA Region 4 criteria of 4^{o}C $\pm$ 2^{o}C. No sample preservation issues were noted by the laboratory. Since the samples were received between 0-6^{o}C 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

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Memorandum

Date:	21 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 740272, 740273, 740573, 740574, 740584 (Revision 01), and 740586**

SITE: Plant Branch CCR Groundwater Compliance Semiannual Monitoring AP-BCD

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of fourteen groundwater samples, two equipment blanks, two field blanks and two field duplicate samples collected 26-28 August 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
740272001	740273001	BRA-BRGWC-27I
740272002	740273002	BRA-BRGWC-29I
740272003	740273003	BRA-BRGWC-32S
740272004	740273004	BRA-BRGWC-45
740272005	740273005	BRA-BRGWC-47
740272006	740273006	BRA-APBCD-FD-01
740272007	740273007	BRA-APBCD-FB-01
740272008	740273008	BRA-APBCD-EB-04
740573001	740574001	BRA-BRGWA-23S
740584001	740586001	BRA-BRGWC-30I

Laboratory IDs		Client IDs
740584002	740586002	BRA-BRGWC-44
740584003	740586003	BRA-BRGWC-52I
740584004	740586004	BRA-PZ-63I
740584005	740586005	BRA-PZ-68D
740584006	740586006	BRA-PZ-74I
740584007	740586007	BRA-PZ-75I
740584008	740586008	BRA-APBCD-FD-02
740584009	740586009	BRA-APBCD-EB-05
740584010	740586010	BRA-BRGWC-25I
740584011	740586011	BRA-APBCD-FB-02

The samples were received at 1.0, 3.0, 4.0, 5.0, and 6.0 degrees Celsius (^{o}C), both within and outside of the EPA Region 4 criteria of 4^{o}C $\pm$ 2^{o}C. Since the samples were received between 0-6^{o}C and based on professional judgment, no qualifications were applied to the data. 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-APBCD-FD-01 and BRA-APBCD-FD-02. The laboratory logged the sample in with the collection time of 00:00 in the laboratory reports.

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
- ✓ Electronic Data Deliverables Review

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

740272: The laboratory noted that the contract required detection limit (CRDL) for calcium did not meet the laboratory specified acceptance criteria. Since the calcium results in the associated samples were significantly greater than the CRDL and based on professional and technical judgement, no qualifications were applied to the data.

740272, 740573, & 740584: 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). Three sample set specific MS/MSD pairs were reported, using samples BRA-BRGWC-27I, BRA-BRGWA-23S, and BRA-BRGWC-30I. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

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-APBCD-FB-01 and BRA-APBCD-FB-02 were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs, with the following exceptions.

740272: Barium (0.00119 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL in field blank BRA-APBCD-FB-01. Since the concentrations of barium 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.

740272: Boron (0.0198 mg/L) was detected in field blank BRA-APBCD-FB-01 at a concentration greater than the RL. Therefore, the estimated boron concentration in BRA-APBCD-EB-04 was U qualified as not detected at the RL, and the concentrations of boron in sample BRA-BRGWC-45 was J+ qualified as estimated with high bias.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	DQM Reason Code**
BRA-APBCD-EB-04	Boron	0.00662	J	0.0150	U	BFH
BRA-BRGWC-45	Boron	0.0598	NA	0.0598	J+	BFH

mg/L- milligram per liter
J-the result is less than RL but greater than the MDL and the concentration is an approximate value
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

1.8 Equipment Blank

Two equipment blanks, BRA-APBCD-EB-04 and BRA-APBCD-EB-05 were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs, with the following exceptions.

740272: Boron (0.00662 mg/L) was detected in equipment blank BRA-APBCD-EB-04 at a concentration greater than the MDL and less than the RL. Since the boron concentration was U qualified due to field blank contamination and based on professional and technical judgment, no additional qualifications were applied to the data.

1.9 Field Duplicate

Two field duplicate samples, BRA-APBCD-FD-01 and BRA-APBCD-FD-02 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-29I and BRA-BRGWC-52I, respectively, with the following exceptions.

740272: Lithium was not detected in sample BRA-BRGWC-29I and detected at an estimated concentration greater than the MDL and less than the RL in field duplicate BRA-APBCD-FD-01, resulting in a noncalculable RPD between the results. Since the difference between the results were within the RL of each other, no qualifications were applied to the data.

740272: Selenium was detected in sample BRA-BRGWC-29I at an estimated concentration greater than the MDL and less than the RL and detected at a concentration greater than the RL in field duplicate BRA-APBCD-FD-01, resulting in a noncalculable RPD between the results. Since

the absolute difference between the field duplicate pair concentrations was less than the RL, no qualifications were applied to the data.

1.10 Serial Dilution

Three sample set specific serial dilutions were reported for metals using samples BRA-BRGWC-27I, BRA-BRGWA-23S, and BRA-BRGWC-30I. The percent difference (%D) results were within the method specified acceptance criteria.

Batch serial dilutions were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.11 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
- ✓ Electronic Data Deliverable Review

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

Batch MSs were 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

Batch laboratory duplicates were 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

Two field blanks BRA-APBCD-FB-01 and BRA-APBCD-FB-02 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-APBCD-EB-04 and BRA-APBCD-EB-05 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-APBCD-FD-01 and BRA-APBCD-FD-02, 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-29I and BRA-BRGWC-52I, 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

740272, 740573 and 740584: The laboratory noted that samples BRA-BRGWC-32S, BRA-BRGWC-45, BRA-BRGWA-23S, BRA-BRGWC-44, BRA-BRGWC-52I, BRA-PZ-63I, BRA-PZ-68D, BRA-PZ-74I, BRA-PZ-75I and BRA-APBCD-FD-02 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

Three sample set specific MSs were reported for anions, using samples BRA-BRGWC-27I, BRA-BRGWA-23S, and BRA-BRGWC-25I. The recovery results were within the laboratory specified acceptance criteria, with the following exception.

740272: The recovery of fluoride was low and outside of laboratory specified acceptance criteria in the MS using sample BRA-BRGWC-27I. Therefore, the concentration of fluoride in sample BRA-BRGWC-27I was J- qualified as estimated with a low bias.

740584: The recovery of chloride was low and outside of laboratory specified acceptance criteria in the MS using sample BRA-BRGWC-25I. Therefore, the concentration of chloride in sample BRA-BRGWC-25I was J- qualified as estimated with a low bias.

Batch MSs were also reported for anions. Since the batch QC results do not affect the samples in this data set, qualifications were not applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BRA-BRGWC-27I	Fluoride	0.186	NA	0.186	J-	MS1
BRA-BRGWC-25I	Chloride	13.3	NA	13.3	J-	MS1

mg/L- milligram per liter
NA-not applicable

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 or LCS/LCSD pair was reported for each analytical batch per analysis. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Three sample set specific laboratory duplicates were reported for anions, using samples BRA-BRGWC-27I, BRA-BRGWA-23S and BRA-BRGWC-25I. The RPD results were within the laboratory specified acceptance criteria.

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

Two field blanks, BRA-APBCD-FB-01 and BRA-APBCD-FB-02, 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-APBCD-EB-04 and BRA-APBCD-EB-05, were collected with the sample set. Wet chemistry parameters were not detected in the equipment blanks at or above the MDLs.

3.9 Field Duplicate

Two field duplicate samples, BRA-APBCD-FD-01 and BRA-APBCD-FD-02, 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-29I and BRA-BRGWC-52I, respectively, with the following exception.

740586: Fluoride was detected in field duplicate BRA-APBCD-FD-02 at a concentration greater than the RL and detected at an estimated concentration greater than the MDL and less than the RL in parent sample BRA-APBCD-FD-02, resulting in a noncalculable RPD between the results.

Since the absolute difference between the results was less than the RL, no qualifications were applied to the data.

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 MDC, with the following exceptions.

740273: 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.

740273: 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 greater than 2 and a concentration less than ten times the blank concentration for radium-228 in the associated samples were J qualified as estimated and the radium concentrations with a mean difference less than 2 in the associated samples were UJ qualified as not statistically distinguishable from the blank.

740273: Based on the radium-226 and radium-228 method blank contaminations, the combined radium 226 + 228 concentration for sample BRA-BRGWC-29I was J qualified as estimated and the combined radium 226 + 228 concentrations for samples BRA-APBCD-EB-04, BRA-APBCD-FB-01, BRA-APBCD-FD-01, BRA-BRGWC-27I, BRA-BRGWC-32S, BRA-BRGWC-45 and BRA-BRGWC-47 were UJ qualified as not statistically distinguishable from the blank.

740574 & 740586: Radium-226 (0.470 pCi/L) was detected in the method blank in batch 2859209 at a concentration greater than the 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 concentrations with a mean difference less than 2 in the associated samples were UJ qualified as not statistically distinguishable from the blank.

740574 & 740586: Radium-228 (1.56 pCi/L) was detected in the method blank in batch 2856231 at a concentration greater than the TPU. Therefore, the radium-228 concentrations with a mean difference greater than 2 and a concentration less than ten times the blank concentration for radium-228 in the associated samples were J qualified as estimated and the radium concentrations with a mean difference less than 2 in the associated samples were UJ qualified as not statistically distinguishable from the blank.

740574 & 740586: Based on the radium-226 and radium-228 method blank contaminations, the combined radium 226 + 228 concentrations for samples BRA-APBCD-FD-02, BRA-BRGWC-25I, BRA-BRGWC-30I, BRA-BRGWC-44, BRA-BRGWC-52I, and BRA-PZ-63I were J qualified as estimated and the combined radium 226 + 228 concentrations for samples BRA-APBCD-EB-05 and BRA-APBCD-FB-02 were UJ qualified as not statistically distinguishable from the blank.

The method blank qualifications are summarized in Attachment 3.

4.4 Matrix Spike/Matrix Spike Duplicate

One sample set specific MS was reported for radium-226 using sample, BRA-BRGWA-23S. The recovery results were within the laboratory specified acceptance criteria

Batch MS/MSD pairs were reported with the sample set. 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

Two sample set specific laboratory duplicates were reported for radium-228 using samples BRA-BRGWC-27I and BRA-BRGWA-23S, and one sample set specific laboratory duplicate was reported for radium-226 using sample BRA-BRGWA-23S. The RPD results were within laboratory specified acceptance limits.

Batch laboratory duplicates were also reported with the sample set. 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 analyses. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Blank

Two field blanks BRA-APBCD-FB-01 and BRA-APBCD-FB-02, 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.

740273: Radium-228 (4.56 pCi/L) was detected in BRA-APBCD-FB-01 at a concentration greater than the MDC. Since radium-226 was previously qualified in the associated samples due to method blank contamination, no additional qualifications were applied to the data.

740586: Radium-226 (0.366 pCi/L) was detected in BRA-APBCD-FB-02 at a concentration greater than the TPU. Since radium-226 was previously qualified in the associated samples due to method blank contamination, no additional qualifications were applied to the data.

740586: Radium-228 (2.46 pCi/L) was detected in BRA-APBCD-FB-02 at a concentration greater than the MDC. Since radium-226 was previously qualified in the associated samples due to method blank contamination, no additional qualifications were applied to the data.

4.9 Equipment Blank

Two equipment blanks, BRA-APBCD-EB-04 and BRA-APBCD-EB-05, 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.

740273: Radium-226 (0.301 pCi/L) was detected in BRA-APBCD-EB-04 at a concentration greater than the TPU. Since radium-226 was previously qualified in the associated samples due to method blank contamination, no additional qualifications were applied to the data.

740273: Radium-228 (3.44 pCi/L) was detected in BRA-APBCD-EB-04 at a concentration greater than the MDC. Since radium-228 was previously qualified in the associated samples due to method blank contamination, no additional qualifications were applied to the data.

740586: Radium-226 (0.320 pCi/L) was detected in BRA-APBCD-EB-05 at a concentration greater than the MDC. Since radium-226 was previously qualified in the associated samples due to method blank contamination, no additional qualifications were applied to the data.

740586: Radium-228 (1.98 pCi/L) was detected in BRA-APBCD-EB-05 at a concentration greater than the MDC. Since radium-228 was previously qualified in the associated samples due to method blank contamination, no additional qualifications were applied to the data.

4.10 Field Duplicate

Two field duplicate samples, BRA-APBCD-FD-01 and BRA-APBCD-FD-02, were collected with the sample set. Acceptable precision [mean difference (MD) ≤ 3, RPD < 20% or difference < RL] was demonstrated between the field duplicates and the original samples, BRA-BRGWC-29I and BRA-BRGWC-52I.

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

ATTACHMENT 3
METHOD BLANK QUALIFICATIONS

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
BRA-APBCD-EB-04	Radium-228	3.44	NA	3.44	UJ	BL
BRA-APBCD-EB-04	Combined Radium 226 + 228	3.74	NA	3.74	UJ	BL
BRA-APBCD-FB-01	Radium-228	4.56	NA	4.56	UJ	BL
BRA-APBCD-FB-01	Combined Radium 226 + 228	4.86	NA	4.86	UJ	BL
BRA-APBCD-FD-01	Radium-226	0.757	NA	0.757	UJ	BL
BRA-APBCD-FD-01	Radium-228	4.66	NA	4.66	UJ	BL
BRA-APBCD-FD-01	Combined Radium 226 + 228	5.41	NA	5.41	UJ	BL
BRA-BRGWC-27I	Radium-226	0.617	NA	0.617	UJ	BL
BRA-BRGWC-27I	Radium-228	3.35	NA	3.35	UJ	BL
BRA-BRGWC-27I	Combined Radium 226 + 228	3.96	NA	3.96	UJ	BL
BRA-BRGWC-29I	Radium-226	1.12	NA	1.12	J	BL
BRA-BRGWC-29I	Radium-228	4.80	NA	4.80	UJ	BL
BRA-BRGWC-29I	Combined Radium 226 + 228	5.92	NA	5.92	J	BL
BRA-BRGWC-32S	Radium-226	0.534	NA	0.534	UJ	BL
BRA-BRGWC-32S	Radium-228	2.24	NA	2.24	UJ	BL
BRA-BRGWC-32S	Combined Radium 226 + 228	2.77	NA	2.77	UJ	BL
BRA-BRGWC-45	Radium-228	3.05	NA	3.05	UJ	BL
BRA-BRGWC-45	Combined Radium 226 + 228	3.39	NA	3.39	UJ	BL
BRA-BRGWC-47	Radium-226	0.685	NA	0.685	UJ	BL
BRA-BRGWC-47	Radium-228	3.66	NA	3.66	UJ	BL
BRA-BRGWC-47	Combined Radium 226 + 228	4.34	NA	4.34	UJ	BL
BRA-BRGWA-23S	Radium-226	1.94	NA	1.94	J	BL
BRA-BRGWA-23S	Radium-228	1.93	NA	1.93	UJ	BL
BRA-BRGWA-23S	Combined Radium 226 + 228	3.86	NA	3.86	J	BL
BRA-APBCD-EB-05	Radium-226	0.320	NA	0.320	UJ	BL
BRA-APBCD-EB-05	Radium-228	1.98	NA	1.98	UJ	BL

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
BRA-APBCD-EB-05	Combined Radium 226 + 228	2.30	NA	2.30	UJ	BL
BRA-APBCD-FB-02	Radium-228	2.46	NA	2.46	UJ	BL
BRA-APBCD-FB-02	Combined Radium 226 + 228	2.83	NA	2.83	UJ	BL
BRA-APBCD-FD-02	Radium-226	2.73	NA	2.73	J	BL
BRA-APBCD-FD-02	Radium-228	6.04	NA	6.04	J	BL
BRA-APBCD-FD-02	Combined Radium 226 + 228	8.77	NA	8.77	J	BL
BRA-BRGWC-25I	Radium-226	2.50	NA	2.50	J	BL
BRA-BRGWC-25I	Combined Radium 226 + 228	3.62	NA	3.62	J	BL
BRA-BRGWC-30I	Radium-226	3.09	NA	3.09	J	BL
BRA-BRGWC-30I	Radium-228	2.75	NA	2.75	UJ	BL
BRA-BRGWC-30I	Combined Radium 226 + 228	5.84	NA	5.84	J	BL
BRA-BRGWC-44	Radium-226	3.27	NA	3.27	J	BL
BRA-BRGWC-44	Radium-228	1.69	NA	1.69	UJ	BL
BRA-BRGWC-44	Combined Radium 226 + 228	4.96	NA	4.96	J	BL
BRA-BRGWC-52I	Radium-226	1.58	NA	1.58	J	BL
BRA-BRGWC-52I	Radium-228	7.84	NA	7.84	J	BL
BRA-BRGWC-52I	Combined Radium 226 + 228	9.43	NA	9.43	J	BL
BRA-PZ-63I	Radium-226	1.41	NA	1.41	J	BL
BRA-PZ-63I	Radium-228	1.97	NA	1.97	UJ	BL
BRA-PZ-63I	Combined Radium 226 + 228	3.38	NA	3.38	J	BL
BRA-PZ-68D	Radium-226	0.785	NA	0.785	UJ	BL
BRA-PZ-68D	Combined Radium 226 + 228	2.12	NA	2.12	UJ	BL
BRA-PZ-75I	Radium-226	0.484	NA	0.484	UJ	BL
BRA-PZ-75I	Combined Radium 226 + 228	1.63	U	1.63	UJ	BL

pCi/L-picocuries per liter
U-analyte was analyzed for, but not detected above the Critical Level
NA-not applicable

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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 740577, Revision 1 and 740579**

SITE: Plant Branch CCR Groundwater Compliance Semiannual Monitoring Background

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of two groundwater samples, one equipment blank, one field blank, and one field duplicate sample collected 27-28 August 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**
740577001	740579001	BRA-PZ-81
740577002	740579002	BRA-APBCD-FD-20
740577003	740579003	BRA-APBCD-FB-21

Laboratory IDs		**Client IDs**
740577004	740579004	BRA-PZ-80
740577005	740579005	BRA-APBCD-EB-22

The samples were received at 3, 4, 5, and 6 degrees Celsius (^{o}C), both within and outside of the EPA Region 4 criteria of 4^{o}C $\pm$ 2^{o}C. Since the samples were received between 0-6^{o}C and based on professional judgment, no qualifications were applied to the data. No sample preservation issues were noted by the laboratory.

The sample collection time was not listed on the chain of custody (COC) for the field duplicate sample, BRA-APBCD-FD-20. The laboratory logged the sample in with the collection time of 00:00 in the laboratory reports.

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.

The laboratory report 740577 was revised on 10/03/2025 to include updates work order task code and matrix code for blank samples. The laboratory report was identified as 740577, Revision 1.

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
- ✓ Electronic Data Deliverables Review

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)

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

One field blank, BRA-APBCD-FB-21, was collected with the sample set. Metals were not detected in the field blank at or above the MDLs.

1.8 Equipment Blank

One equipment blank, BRA-APBCD-EB-22, was collected with the sample set. Metals were not detected in the equipment blank at or above the MDLs.

1.9 Field Duplicate

One field duplicate sample, BRA-APBCD-FD-20, was collected with the sample set. Acceptable precision [RPD < 20% or the difference between the concentrations < reporting limit (RL)] was demonstrated between the field duplicate and the original sample, BRA-PZ-81, with the following exception.

Arsenic was not detected in field duplicate sample BRA-APBCD-FD-20 and detected at an estimated concentration greater than the MDL and less than the RL in parent sample BRA-PZ-81, resulting in a noncalculable RPD between the results. Since the absolute difference between the results was within the RL of each other, no qualifications were applied to the data.

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 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
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Serial Dilution
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

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

One field blank, BRA-APBCD-FB-21, was collected with the sample set. Mercury was not detected in the field blank at or above the MDL.

2.8 Equipment Blank

One equipment blank, BRA-APBCD-EB-22, was collected with the sample set. Mercury was not detected in the equipment blank at or above the MDL.

2.9 Field Duplicate

One field duplicate sample, BRA-APBCD-FD-20, was collected with the sample set. Acceptable precision [RPD < 20% or the difference between the concentrations < reporting limit (RL)] was demonstrated between the field duplicate and the original sample, BRA-PZ-81.

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 sample BRA-PZ-80 was 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

Batch MSs were reported for anions. Since the batch QC results do not affect the samples in this data set, 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). An LCS was reported for each analytical batch per analysis. The recovery 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

One field blank, BRA-APBCD-FB-21, was collected with the sample set. Wet chemistry parameters were not detected in the field blank at or above the MDLs, with the following exception.

TDS (4.00 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL in field blank BRA-APBCD-FB-21. Since the concentrations of TDS in the associated samples were either not detected or greater than five times the field blank contamination, no qualifications were applied to the data.

3.8 Equipment Blank

One equipment blank, BRA-APBCD-EB-22, was collected with the sample set. Wet chemistry parameters were not detected in the equipment blank at or above the MDLs.

3.9 Field Duplicate

One field duplicate sample, BRA-APBCD-FD-20, was collected with the sample set. Acceptable precision [RPD < 20% or the difference between the concentrations < reporting limit (RL)] was demonstrated between the field duplicate and the original sample, BRA-PZ-81, with the following exception.

Fluoride was detected at a concentration greater than the RL in field duplicate BRA-APBCD-FD-20 and detected at an estimated concentration greater than the MDL and less than the RL in parent sample BRA-PZ-81. Since the absolute difference between the results was within the RL of each other, no qualifications were applied to the data.

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 MDC, with the following exceptions.

Radium-226 (0.470 pCi/L) was detected in the method blank in batch 2859209 at a concentration greater than the total propagated uncertainty (TPU). Since the equipment blank, BRA-APBCD-EB-22 (3.43 pCi/L, greater than MDC), had a higher detected concentration than the method blank and both blanks are associated with the same samples, the samples were qualified by the higher concentration in the equipment blank and no qualifications were applied for the method blank.

Radium-228 (1.56 pCi/L) was detected in the method blank in batch 2856231 at a concentration greater than the TPU. Therefore, the radium-228 concentration with a mean difference less than 2 in the associated sample was UJ qualified as not statistically distinguishable from the blank. Based on the radium-228 method blank contamination and radium-226 equipment blank contamination, the combined radium 226 + 228 concentration for sample BRA-APBCD-FD-20 was UJ qualified as estimated.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	DQM Reason Code**
BRA-APBCD-FD-20	Radium-228	2.29	NA	2.29	UJ	BL
BRA-APBCD-FD-20	Combined Radium 226 + 228	3.75	NA	3.75	UJ	BL|BEH

pCi/L-picocuries 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

4.4 Matrix Spike/Matrix Spike Duplicate

A batch MS was reported for radium-226 with the sample set. 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 with the sample set. 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

One field blank, BRA-APBCD-FB-21, was collected with the sample set. Radium-226 and radium-228 were not detected in the field blank at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-226 (2.88 pCi/L) was detected in BRA-APBCD-FB-21 at a concentration greater than the MDC. Since the equipment blank, BRA-APBCD-EB-22 (3.43 pCi/L, greater than MDC), had a higher detected concentration than the field blank and both blanks are associated with the same samples, the samples were qualified by the higher concentration in the equipment blank and no qualifications were applied for the field blank.

Radium-228 (1.37 pCi/L) was detected in BRA-APBCD-FB-21 at a concentration greater than the TPU. Based on the higher concentration in the method blank for radium-228, no qualifications were applied to the data for field blank contamination.

4.9 Equipment Blank

One equipment blank, BRA-APBCD-EB-22, was collected with the sample set. Radium-226 and radium-228 were detected in the equipment blank at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-226 (3.43 pCi/L) was detected in BRA-APBCD-EB-22 at a concentration greater than the MDC. Since the radium-226 concentration for the equipment blank was greater than the radium-226 concentration in the associated samples, the radium-226 concentrations for the associated samples were UJ qualified as not distinguishable from the blank.

Based on the radium-226 equipment blank contamination and radium-228 concentrations less than the MDC, the combined radium-226 + radium-228 concentrations in samples BRA-PZ-80 and BRA-PZ-81 were UJ qualified as not distinguishable from the blank.

Based on the radium-226 equipment blank contamination and radium-228 method blank contamination the combined radium-226 + radium-228 concentrations in samples BRA-APBCD-FD-20 was UJ qualified as not distinguishable from the blank.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	DQM Reason Code
BRA-APBCD-FD-20	Radium-226	1.46	NA	1.46	UJ	BEH
BRA-APBCD-FD-20	Combined Radium 226 + 228	3.75	NA	3.75	UJ	BL|BEH
BRA-PZ-80	Radium-226	2.04	NA	2.04	UJ	BEH
BRA-PZ-80	Combined Radium 226 + 228	3.61	NA	3.61	UJ	BEH
BRA-PZ-81	Radium-226	1.30	NA	1.30	UJ	BEH
BRA-PZ-81	Combined Radium 226 + 228	2.07	NA	2.07	UJ	BEH

pCi/L-picocuries per liter
NA-not applicable

4.10 Field Duplicate

One field duplicate sample, BRA-APBCD-FD-20, was collected with the sample set. Acceptable precision [mean difference (MD) ≤ 3, RPD < 20% or difference < RL] was demonstrated between the field duplicate and the original sample, BRA-PZ-81, with the following exception.

Radium-228 was detected at a concentration greater than the MDC in field duplicate BRA-APBCD-FD-20 and detected at a concentration less than the MDC in parent sample BRA-PZ-81. Since the MD between the results was less than 3, 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:	21 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 740589 (Revised) and 746190**

SITE: Plant Branch CCR Groundwater Compliance Semiannual Monitoring AP-D-PZ

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of six groundwater samples, two equipment blanks, two field blanks, and two field duplicate samples, collected 27-28 August and 6 October 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
- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0
- Total Dissolved Solids (TDS) by Standard Method (SM) 2540C

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 are usable for supporting project objectives.

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); and
- US EPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following samples were analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
740589001	BRA-PZ-83I
740589002	BRA-PZ-84I
740589003	BRA-PZ-75D
740589004	BRA-APBCD-FD-30
740589005	BRA-APBCD-FB-31
740589006	BRA-PZ-82I
740589007	BRA-APBCD-EB-32

Laboratory IDs	Client IDs
746190001	BRA-PZ-82I (Recollection)
746190002	BRA-PZ-83I (Recollection)
746190003	BRA-APBCD-FD-30 (Recollection)
746190004	BRA-APBCD-FB-31 (Recollection)
746190005	BRA-APBCD-EB-32 (Recollection)

The samples were received at 0.0, 3.0, 4.0, 5.0 and 6.0 degrees Celsius (°C), both within and outside of the EPA Region 4 criteria of 4°C ± 2°C. Since the samples were received between 0-6°C and based on professional judgment, no qualifications were applied to the data. 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-APBCD-FD-30 and BRA-APBCD-FD-30 (Reanalysis). The laboratory logged the sample in with the collection time of 00:00 in the laboratory reports.

Due to selenium detections, samples BRA-PZ-82I, BRA-PZ-83I, BRA-APBCD-FD-30, BRA-APBCD-FB-31 and BRA-APBCD-EB-32 were recollected and analyzed for selenium in work order 74190.

The laboratory report for work order 740589 was revised on 3 October 2025 to update work order task code and matrix code for the blank samples. Revision 01 was noted on the cover page.

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
- ✓ Electronic Data Deliverables Review

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)

One sample set specific MS/MSD pair were reported for selenium, using sample BRA-PZ-82I (Reanalysis). The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

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-APBCD-FB-31 and BRA-APBCD-FB-31 (Recollection), 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-APBCD-EB-32 and BRA-APBCD-EB-32 (Recollection), were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs.

1.9 Field Duplicate

Two field duplicate samples, BRA-APBCD-FD-30 and BRA-APBCD-FD-30 (Recollection), 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-PZ-84I and BRA-PZ-83I (Recollection), respectively.

1.10 Serial Dilution

One sample set specific serial dilution was reported for selenium using sample BRA-PZ-82I (Reanalysis). The percent difference (%D) results were within the method specified acceptance criteria.

Batch serial dilutions were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.11 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to dilutions analyzed.

1.12 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.0 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

2.1 Overall Assessment

2.1.1 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%.

2.1.2 Analysis Anomaly

The laboratory noted that samples BRA-PZ-83I, BRA-PZ-84I, BRA-PZ-75D, BRA-APBCD-FD-30 and BRA-PZ-82I 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.

2.2 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.

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). The wet chemistry parameters were not detected in the method blanks at or above the MDLs.

2.4 Matrix Spike/Matrix Spike Duplicate

One batch MS was reported for anions. Since the batch QC results do not affect the samples in this data set, 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

One sample set specific laboratory duplicate was reported for TDS, using sample BRA-PZ-83I. The RPD results were within the laboratory specified acceptance criteria.

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.

2.7 Field Blank

One field blank, BRA-APBCD-FB-31, was collected with the sample set for wet chemistry analyses. Wet chemistry parameters were not detected in the field blank at or above the MDLs.

2.8 Equipment Blank

One equipment blank, BRA-APBCD-EB-32, was collected with the sample set for wet chemistry analyses. Wet chemistry parameters were not detected in the equipment blank at or above the MDLs.

2.9 Field Duplicate

One field duplicate sample, BRA-APBCD-FD-30, was collected with the sample set for wet chemistry analyses. Acceptable precision [RPD < 20% or the difference between the concentrations < reporting limit (RL)] was demonstrated between the field duplicates and the original sample, BRA-PZ-84I.

2.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to dilutions analyzed.

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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:

Low-Flow Test Report:

Test Date / Time: 8/28/2025 9:42:27 AM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: BRGWC-25I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.9 ft** **Total Depth: 22.9 ft** **Initial Depth to Water: 11.89 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 6875 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1007. Sunny 71. FB-02 here at 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	+/- 0.3	
8/28/2025 9:42 AM	00:00	6.402 pH	19.23 °C	589.7 µS/cm	1.675 mg/L	3.700 NTU	212.0 mV	11.89 ft	275.0 ml/min
8/28/2025 9:47 AM	05:00	6.379 pH	19.13 °C	591.4 µS/cm	0.248 mg/L	5.100 NTU	213.4 mV	12.00 ft	275.0 ml/min
8/28/2025 9:52 AM	10:00	6.398 pH	19.10 °C	593.2 µS/cm	0.170 mg/L	3.530 NTU	215.6 mV	12.00 ft	275.0 ml/min
8/28/2025 9:57 AM	15:00	6.359 pH	19.18 °C	595.7 µS/cm	0.156 mg/L	2.200 NTU	215.7 mV	12.00 ft	275.0 ml/min
8/28/2025 10:02 AM	20:00	6.357 pH	19.15 °C	596.1 µS/cm	0.147 mg/L	1.800 NTU	214.7 mV	12.00 ft	275.0 ml/min
8/28/2025 10:07 AM	25:00	6.344 pH	19.22 °C	597.4 µS/cm	0.147 mg/L	1.520 NTU	213.3 mV	12.00 ft	275.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 2:52:10 PM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: BRGWC-27I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.9 ft** **Total Depth: 26.9 ft** **Initial Depth to Water: 11.68 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 21 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.44 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1532
Sunny, 80s

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 2:52 PM	00:00	6.050 pH	24.34 °C	353.8 µS/cm	6.874 mg/L	0.370 NTU	126.9 mV	11.68 ft	200.0 ml/min
8/26/2025 2:57 PM	05:00	5.606 pH	21.39 °C	308.8 µS/cm	1.358 mg/L	0.360 NTU	135.9 mV	11.80 ft	200.0 ml/min
8/26/2025 3:02 PM	10:00	5.541 pH	21.46 °C	307.7 µS/cm	0.398 mg/L	0.340 NTU	141.4 mV	11.80 ft	200.0 ml/min
8/26/2025 3:07 PM	15:00	5.579 pH	21.15 °C	325.4 µS/cm	0.235 mg/L	0.290 NTU	145.6 mV	11.80 ft	200.0 ml/min
8/26/2025 3:12 PM	20:00	5.658 pH	21.07 °C	344.2 µS/cm	0.195 mg/L	0.350 NTU	148.9 mV	11.80 ft	200.0 ml/min
8/26/2025 3:17 PM	25:00	5.698 pH	21.09 °C	366.2 µS/cm	0.171 mg/L	0.380 NTU	151.8 mV	11.80 ft	200.0 ml/min
8/26/2025 3:22 PM	30:00	5.735 pH	20.92 °C	377.7 µS/cm	0.163 mg/L	0.300 NTU	155.3 mV	11.80 ft	200.0 ml/min
8/26/2025 3:27 PM	35:00	5.767 pH	20.93 °C	385.9 µS/cm	0.154 mg/L	0.320 NTU	158.1 mV	11.80 ft	200.0 ml/min
8/26/2025 3:32 PM	40:00	5.789 pH	21.09 °C	393.3 µS/cm	0.152 mg/L	0.440 NTU	162.6 mV	11.80 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 1:23:07 PM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: BRGWC-29I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.6 ft** **Total Depth: 22.6 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: 17 ft** **Estimated Total Volume Pumped: 13.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 1.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1408
Sunny, 80s
FD-01 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	
8/26/2025 1:23 PM	00:00	3.700 pH	24.84 °C	660.9 µS/cm	3.744 mg/L	5.860 NTU	143.4 mV	10.90 ft	300.0 ml/min
8/26/2025 1:28 PM	05:00	4.331 pH	22.11 °C	612.3 µS/cm	0.356 mg/L	4.430 NTU	137.2 mV	11.00 ft	300.0 ml/min
8/26/2025 1:33 PM	10:00	4.469 pH	21.61 °C	620.6 µS/cm	0.185 mg/L	1.790 NTU	134.1 mV	11.00 ft	300.0 ml/min
8/26/2025 1:38 PM	15:00	4.503 pH	21.66 °C	622.9 µS/cm	0.146 mg/L	2.110 NTU	133.6 mV	11.00 ft	300.0 ml/min
8/26/2025 1:43 PM	20:00	4.508 pH	21.48 °C	628.6 µS/cm	0.133 mg/L	1.110 NTU	134.4 mV	11.00 ft	300.0 ml/min
8/26/2025 1:48 PM	25:00	4.529 pH	21.60 °C	632.4 µS/cm	0.127 mg/L	1.190 NTU	134.4 mV	11.00 ft	300.0 ml/min
8/26/2025 1:53 PM	30:00	4.515 pH	21.51 °C	631.9 µS/cm	0.116 mg/L	1.080 NTU	136.1 mV	11.00 ft	300.0 ml/min
8/26/2025 1:58 PM	35:00	4.514 pH	21.37 °C	629.8 µS/cm	0.116 mg/L	1.140 NTU	137.2 mV	11.00 ft	300.0 ml/min
8/26/2025 2:03 PM	40:00	4.517 pH	21.44 °C	630.8 µS/cm	0.112 mg/L	1.170 NTU	138.1 mV	11.00 ft	300.0 ml/min
8/26/2025 2:08 PM	45:00	4.516 pH	21.32 °C	630.2 µS/cm	0.111 mg/L	1.040 NTU	139.3 mV	11.00 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/27/2025 9:10:27 AM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-30I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.9 ft** **Total Depth: 22.9 ft** **Initial Depth to Water: 5.09 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 18 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 5 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sunny, sample time-1010

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	
8/27/2025 9:10 AM	00:00	6.088 pH	17.89 °C	9.442 µS/cm	9.404 mg/L	95.00 NTU	240.6 mV	5.090 ft	300.0 ml/min
8/27/2025 9:15 AM	05:00	6.122 pH	22.16 °C	1,704 µS/cm	0.482 mg/L	81.00 NTU	156.6 mV	5.500 ft	300.0 ml/min
8/27/2025 9:20 AM	10:00	6.096 pH	21.96 °C	1,870 µS/cm	0.163 mg/L	30.00 NTU	168.4 mV	5.500 ft	300.0 ml/min
8/27/2025 9:25 AM	15:00	6.136 pH	21.76 °C	1,932 µS/cm	0.142 mg/L	6.410 NTU	181.6 mV	5.500 ft	300.0 ml/min
8/27/2025 9:30 AM	20:00	6.152 pH	21.64 °C	1,942 µS/cm	0.115 mg/L	6.200 NTU	172.7 mV	5.500 ft	300.0 ml/min
8/27/2025 9:35 AM	25:00	6.230 pH	21.52 °C	1,948 µS/cm	0.105 mg/L	5.970 NTU	148.2 mV	5.500 ft	300.0 ml/min
8/27/2025 9:40 AM	30:00	6.258 pH	21.53 °C	1,951 µS/cm	0.105 mg/L	5.770 NTU	130.0 mV	5.500 ft	300.0 ml/min
8/27/2025 9:45 AM	35:00	6.272 pH	21.41 °C	1,950 µS/cm	0.094 mg/L	5.500 NTU	111.4 mV	5.500 ft	300.0 ml/min
8/27/2025 9:50 AM	40:00	6.278 pH	21.40 °C	1,952 µS/cm	0.093 mg/L	5.420 NTU	105.7 mV	5.500 ft	300.0 ml/min
8/27/2025 9:55 AM	45:00	6.284 pH	21.29 °C	1,953 µS/cm	0.086 mg/L	5.290 NTU	101.3 mV	5.500 ft	300.0 ml/min
8/27/2025 10:00 AM	50:00	6.286 pH	21.37 °C	1,951 µS/cm	0.078 mg/L	5.140 NTU	96.0 mV	5.500 ft	300.0 ml/min
8/27/2025 10:05 AM	55:00	6.290 pH	21.45 °C	1,945 µS/cm	0.073 mg/L	2.380 NTU	93.4 mV	5.500 ft	300.0 ml/min
8/27/2025 10:10 AM	01:00:00	6.295 pH	21.52 °C	1,949 µS/cm	0.082 mg/L	1.610 NTU	92.1 mV	5.500 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 2:57:16 PM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: BRGWC-32S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.8 ft** **Total Depth: 47.8 ft** **Initial Depth to Water: 40.92 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 42.8 ft** **Estimated Total Volume Pumped: 13425 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1612. Sunny 81. Water level 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	
8/26/2025 2:57 PM	00:00	6.045 pH	23.00 °C	379.8 µS/cm	5.802 mg/L	8.500 NTU	64.4 mV	40.92 ft	190.0 ml/min
8/26/2025 3:02 PM	05:00	6.119 pH	21.88 °C	382.3 µS/cm	3.882 mg/L	13.80 NTU	53.5 mV	40.92 ft	190.0 ml/min
8/26/2025 3:07 PM	10:00	6.160 pH	21.35 °C	384.0 µS/cm	3.743 mg/L	3.780 NTU	50.7 mV	40.92 ft	190.0 ml/min
8/26/2025 3:12 PM	15:00	6.106 pH	21.41 °C	386.6 µS/cm	3.735 mg/L	2.850 NTU	54.5 mV	40.92 ft	190.0 ml/min
8/26/2025 3:17 PM	20:00	6.053 pH	21.25 °C	386.1 µS/cm	3.802 mg/L	1.450 NTU	58.7 mV	40.92 ft	175.0 ml/min
8/26/2025 3:22 PM	25:00	6.067 pH	21.02 °C	386.9 µS/cm	3.757 mg/L	0.810 NTU	58.5 mV	40.92 ft	175.0 ml/min
8/26/2025 3:27 PM	30:00	6.048 pH	21.19 °C	387.4 µS/cm	3.708 mg/L	0.670 NTU	60.4 mV	40.92 ft	175.0 ml/min
8/26/2025 3:32 PM	35:00	6.048 pH	20.99 °C	388.4 µS/cm	3.640 mg/L	0.860 NTU	61.3 mV	40.92 ft	175.0 ml/min
8/26/2025 3:37 PM	40:00	6.046 pH	21.10 °C	388.2 µS/cm	3.622 mg/L	0.640 NTU	61.5 mV	40.92 ft	175.0 ml/min
8/26/2025 3:42 PM	45:00	6.042 pH	21.01 °C	389.4 µS/cm	3.583 mg/L	0.500 NTU	62.3 mV	40.92 ft	175.0 ml/min
8/26/2025 3:47 PM	50:00	6.093 pH	20.87 °C	388.1 µS/cm	3.586 mg/L	0.550 NTU	58.9 mV	40.92 ft	175.0 ml/min
8/26/2025 3:52 PM	55:00	6.052 pH	20.96 °C	389.7 µS/cm	3.564 mg/L	0.470 NTU	62.2 mV	40.92 ft	175.0 ml/min
8/26/2025 3:57 PM	01:00:00	6.057 pH	20.81 °C	390.0 µS/cm	3.575 mg/L	0.540 NTU	62.1 mV	40.92 ft	175.0 ml/min
8/26/2025 4:02 PM	01:05:00	6.075 pH	20.92 °C	390.7 µS/cm	3.592 mg/L	0.430 NTU	61.4 mV	40.92 ft	175.0 ml/min

8/26/2025 4:07 PM	01:10:00	6.079 pH	20.92 °C	391.5 µS/cm	3.596 mg/L	0.400 NTU	61.6 mV	40.92 ft	175.0 ml/min
8/26/2025 4:12 PM	01:15:00	6.140 pH	20.99 °C	396.2 µS/cm	3.569 mg/L	0.430 NTU	58.8 mV	40.92 ft	175.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/27/2025 10:52:02 AM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-44 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.5 ft** **Total Depth: 59.5 ft** **Initial Depth to Water: 29.56 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 54 ft** **Estimated Total Volume Pumped: 8.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 5 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sunny, sample time-1122

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	
8/27/2025 10:52 AM	00:00	6.494 pH	22.93 °C	217.1 µS/cm	4.755 mg/L	1.460 NTU	130.8 mV	29.56 ft	275.0 ml/min
8/27/2025 10:57 AM	05:00	6.054 pH	22.12 °C	216.4 µS/cm	1.221 mg/L	1.850 NTU	156.1 mV	29.90 ft	275.0 ml/min
8/27/2025 11:02 AM	10:00	5.880 pH	22.08 °C	216.7 µS/cm	0.530 mg/L	2.920 NTU	166.5 mV	29.90 ft	275.0 ml/min
8/27/2025 11:07 AM	15:00	5.864 pH	22.21 °C	217.6 µS/cm	0.300 mg/L	1.770 NTU	169.6 mV	29.90 ft	275.0 ml/min
8/27/2025 11:12 AM	20:00	5.911 pH	22.20 °C	216.6 µS/cm	0.263 mg/L	1.510 NTU	167.5 mV	29.90 ft	275.0 ml/min
8/27/2025 11:17 AM	25:00	5.939 pH	22.28 °C	216.6 µS/cm	0.269 mg/L	1.430 NTU	166.1 mV	29.90 ft	275.0 ml/min
8/27/2025 11:22 AM	30:00	5.947 pH	22.41 °C	216.6 µS/cm	0.272 mg/L	0.960 NTU	165.5 mV	29.90 ft	275.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 1:35:30 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-45 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50 ft** **Total Depth: 60 ft** **Initial Depth to Water: 14.94 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 5 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sunny, sample time 1405

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 1:35 PM	00:00	5.823 pH	23.65 °C	639.3 µS/cm	0.904 mg/L	9.810 NTU	164.4 mV	14.94 ft	250.0 ml/min
8/26/2025 1:40 PM	05:00	5.769 pH	22.99 °C	644.3 µS/cm	1.180 mg/L	8.940 NTU	172.9 mV	15.40 ft	250.0 ml/min
8/26/2025 1:45 PM	10:00	5.786 pH	23.11 °C	647.1 µS/cm	0.494 mg/L	8.100 NTU	194.3 mV	15.40 ft	250.0 ml/min
8/26/2025 1:50 PM	15:00	5.794 pH	23.22 °C	643.5 µS/cm	0.327 mg/L	5.990 NTU	220.2 mV	15.40 ft	250.0 ml/min
8/26/2025 1:55 PM	20:00	5.797 pH	23.13 °C	642.7 µS/cm	0.300 mg/L	3.420 NTU	237.5 mV	15.40 ft	250.0 ml/min
8/26/2025 2:00 PM	25:00	5.800 pH	23.11 °C	637.3 µS/cm	0.292 mg/L	2.760 NTU	244.0 mV	15.40 ft	250.0 ml/min
8/26/2025 2:05 PM	30:00	5.800 pH	23.23 °C	636.3 µS/cm	0.286 mg/L	2.510 NTU	251.6 mV	15.40 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/26/2025 2:40:58 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-47 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 84.4 ft** **Total Depth: 94.4 ft** **Initial Depth to Water: 30.78 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 89 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sunny, sample time-1511, FB-01 here at 1455

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 2:40 PM	00:00	5.639 pH	31.35 °C	383.9 µS/cm	7.606 mg/L	1.810 NTU	243.0 mV	30.78 ft	150.0 ml/min
8/26/2025 2:45 PM	05:00	5.835 pH	24.39 °C	1,903 µS/cm	1.050 mg/L	1.740 NTU	-29.0 mV	31.20 ft	150.0 ml/min
8/26/2025 2:50 PM	10:00	5.720 pH	24.12 °C	1,898 µS/cm	0.660 mg/L	0.890 NTU	11.6 mV	31.20 ft	150.0 ml/min
8/26/2025 2:55 PM	15:00	5.682 pH	24.08 °C	1,900 µS/cm	0.547 mg/L	0.920 NTU	24.1 mV	31.20 ft	150.0 ml/min
8/26/2025 3:00 PM	20:00	5.700 pH	24.14 °C	1,900 µS/cm	0.490 mg/L	1.040 NTU	30.1 mV	31.20 ft	150.0 ml/min
8/26/2025 3:05 PM	25:00	5.730 pH	24.67 °C	1,902 µS/cm	0.450 mg/L	1.170 NTU	34.7 mV	31.20 ft	150.0 ml/min
8/26/2025 3:10 PM	30:00	5.795 pH	24.21 °C	1,896 µS/cm	0.430 mg/L	1.790 NTU	38.1 mV	31.20 ft	150.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/27/2025 12:30:06 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-52I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 66.6 ft** **Total Depth: 76.6 ft** **Initial Depth to Water: 40.65 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 71 ft** **Estimated Total Volume Pumped: 22.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 5 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sunny, sample time-1400 FD-02 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	+/- 0.5	
8/27/2025 12:30 PM	00:00	5.631 pH	30.43 °C	0.046 µS/cm	7.372 mg/L	0.940 NTU	152.2 mV	40.65 ft	250.0 ml/min
8/27/2025 12:35 PM	05:00	7.809 pH	21.99 °C	395.5 µS/cm	3.290 mg/L	0.880 NTU	-81.6 mV	41.10 ft	250.0 ml/min
8/27/2025 12:40 PM	10:00	10.88 pH	21.60 °C	406.2 µS/cm	3.411 mg/L	0.750 NTU	-77.4 mV	41.10 ft	250.0 ml/min
8/27/2025 12:45 PM	15:00	11.18 pH	21.78 °C	482.5 µS/cm	3.588 mg/L	0.730 NTU	-109.3 mV	41.10 ft	250.0 ml/min
8/27/2025 12:55 PM	25:07	9.231 pH	25.89 °C	18.64 µS/cm	8.076 mg/L	1.010 NTU	102.9 mV	41.10 ft	250.0 ml/min
8/27/2025 1:00 PM	30:07	9.816 pH	21.55 °C	332.5 µS/cm	1.644 mg/L	0.960 NTU	-25.6 mV	41.10 ft	250.0 ml/min
8/27/2025 1:05 PM	35:07	9.275 pH	21.65 °C	338.8 µS/cm	1.328 mg/L	0.730 NTU	-33.9 mV	41.10 ft	250.0 ml/min
8/27/2025 1:10 PM	40:07	8.411 pH	21.78 °C	349.3 µS/cm	1.093 mg/L	1.040 NTU	-102.8 mV	41.10 ft	250.0 ml/min
8/27/2025 1:15 PM	45:07	7.386 pH	23.54 °C	362.1 µS/cm	1.144 mg/L	1.700 NTU	-98.2 mV	41.10 ft	250.0 ml/min
8/27/2025 1:20 PM	50:07	7.035 pH	21.58 °C	361.6 µS/cm	0.920 mg/L	1.430 NTU	-70.4 mV	41.10 ft	250.0 ml/min
8/27/2025 1:25 PM	55:07	6.844 pH	21.43 °C	371.4 µS/cm	0.844 mg/L	0.830 NTU	-52.1 mV	41.10 ft	250.0 ml/min
8/27/2025 1:30 PM	01:00:07	6.742 pH	21.71 °C	374.2 µS/cm	0.800 mg/L	0.890 NTU	-42.2 mV	41.10 ft	250.0 ml/min
8/27/2025 1:35 PM	01:05:07	6.579 pH	21.64 °C	377.7 µS/cm	0.731 mg/L	0.790 NTU	-29.9 mV	41.10 ft	250.0 ml/min
8/27/2025 1:40 PM	01:10:07	6.432 pH	21.43 °C	377.5 µS/cm	0.678 mg/L	0.620 NTU	-17.9 mV	41.10 ft	250.0 ml/min

8/27/2025 1:45 PM	01:15:07	6.346 pH	21.33 °C	379.4 µS/cm	0.652 mg/L	0.590 NTU	-12.3 mV	41.10 ft	250.0 ml/min
8/27/2025 1:50 PM	01:20:07	6.287 pH	21.54 °C	380.1 µS/cm	0.623 mg/L	0.550 NTU	-7.7 mV	41.10 ft	250.0 ml/min
8/27/2025 1:55 PM	01:25:07	6.233 pH	21.46 °C	380.2 µS/cm	0.596 mg/L	0.580 NTU	-4.1 mV	41.10 ft	250.0 ml/min
8/27/2025 2:00 PM	01:30:07	6.192 pH	21.45 °C	380.2 µS/cm	0.572 mg/L	0.660 NTU	-1.0 mV	41.10 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/27/2025 4:05:04 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: PZ-63I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.2 ft** **Total Depth: 59.2 ft** **Initial Depth to Water: 40.1 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 54.2 ft** **Estimated Total Volume Pumped: 6.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 7.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample Time: 1630
Sunny, 80s

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 4:05 PM	00:00	5.556 pH	24.74 °C	748.8 µS/cm	0.428 mg/L	0.560 NTU	203.4 mV	40.10 ft	250.0 ml/min
8/27/2025 4:10 PM	05:00	5.572 pH	23.71 °C	746.5 µS/cm	0.334 mg/L	0.650 NTU	188.0 mV	40.70 ft	250.0 ml/min
8/27/2025 4:15 PM	10:00	5.579 pH	23.28 °C	745.6 µS/cm	0.307 mg/L	0.590 NTU	184.8 mV	40.70 ft	250.0 ml/min
8/27/2025 4:20 PM	15:00	5.578 pH	23.17 °C	745.4 µS/cm	0.303 mg/L	0.480 NTU	182.0 mV	40.70 ft	250.0 ml/min
8/27/2025 4:25 PM	20:00	5.574 pH	23.13 °C	745.9 µS/cm	0.281 mg/L	0.510 NTU	180.6 mV	40.70 ft	250.0 ml/min
8/27/2025 4:30 PM	25:00	5.574 pH	23.05 °C	744.5 µS/cm	0.279 mg/L	0.460 NTU	179.7 mV	40.70 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/26/2025 12:34:13 PM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: PZ-68D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 77 ft** **Total Depth: 87 ft** **Initial Depth to Water: 41.37 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 82 ft** **Estimated Total Volume Pumped: 31800 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 320 ml/min** **Final Draw Down: 40.13 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Well purged dry. Allow overnight recharge. 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	
8/26/2025 12:34 PM	00:00	7.140 pH	25.86 °C	708.1 µS/cm	7.679 mg/L	4.970 NTU	104.0 mV	41.37 ft	100.0 ml/min
8/26/2025 12:39 PM	05:00	7.388 pH	22.32 °C	759.7 µS/cm	1.717 mg/L	20.50 NTU	48.4 mV	42.30 ft	100.0 ml/min
8/26/2025 12:44 PM	10:00	7.476 pH	21.74 °C	748.4 µS/cm	0.554 mg/L	32.00 NTU	26.8 mV	43.20 ft	100.0 ml/min
8/26/2025 12:49 PM	15:00	7.474 pH	21.44 °C	718.1 µS/cm	0.456 mg/L	27.00 NTU	24.0 mV	44.10 ft	100.0 ml/min
8/26/2025 12:54 PM	20:00	7.408 pH	20.57 °C	672.4 µS/cm	0.420 mg/L	26.80 NTU	27.9 mV	45.20 ft	200.0 ml/min
8/26/2025 12:59 PM	25:00	7.368 pH	20.49 °C	655.7 µS/cm	0.299 mg/L	31.90 NTU	31.5 mV	48.30 ft	320.0 ml/min
8/26/2025 1:04 PM	30:00	7.325 pH	20.10 °C	618.1 µS/cm	0.255 mg/L	16.90 NTU	36.3 mV	49.80 ft	320.0 ml/min
8/26/2025 1:09 PM	35:00	7.228 pH	19.86 °C	579.0 µS/cm	0.605 mg/L	12.00 NTU	37.7 mV	51.00 ft	320.0 ml/min
8/26/2025 1:14 PM	40:00	7.224 pH	19.87 °C	586.1 µS/cm	1.014 mg/L	9.660 NTU	40.4 mV	53.30 ft	320.0 ml/min
8/26/2025 1:19 PM	45:00	7.252 pH	19.90 °C	602.5 µS/cm	1.145 mg/L	8.500 NTU	41.8 mV	54.90 ft	320.0 ml/min
8/26/2025 1:24 PM	50:00	7.255 pH	19.81 °C	531.2 µS/cm	1.483 mg/L	8.400 NTU	44.1 mV	57.00 ft	320.0 ml/min
8/26/2025 1:29 PM	55:00	7.286 pH	19.83 °C	631.2 µS/cm	1.779 mg/L	10.10 NTU	43.7 mV	59.50 ft	320.0 ml/min
8/26/2025 1:34 PM	01:00:00	7.308 pH	19.92 °C	636.3 µS/cm	2.070 mg/L	7.860 NTU	43.4 mV	61.40 ft	320.0 ml/min
8/26/2025 1:39 PM	01:05:00	7.306 pH	19.87 °C	624.1 µS/cm	2.469 mg/L	10.10 NTU	45.1 mV	64.00 ft	320.0 ml/min

8/26/2025 1:44 PM	01:10:00	7.412 pH	19.91 °C	628.0 µS/cm	2.870 mg/L	9.800 NTU	40.7 mV	65.80 ft	320.0 ml/min
8/26/2025 1:49 PM	01:15:00	7.374 pH	19.80 °C	622.2 µS/cm	3.274 mg/L	10.20 NTU	43.7 mV	67.80 ft	320.0 ml/min
8/26/2025 1:54 PM	01:20:00	7.402 pH	19.93 °C	614.1 µS/cm	3.514 mg/L	9.300 NTU	43.1 mV	69.50 ft	320.0 ml/min
8/26/2025 1:59 PM	01:25:00	7.402 pH	20.04 °C	616.5 µS/cm	3.735 mg/L	8.990 NTU	44.2 mV	71.30 ft	320.0 ml/min
8/26/2025 2:04 PM	01:30:00	7.407 pH	19.89 °C	621.8 µS/cm	3.935 mg/L	7.800 NTU	44.9 mV	73.40 ft	320.0 ml/min
8/26/2025 2:09 PM	01:35:00	7.422 pH	20.12 °C	616.0 µS/cm	4.033 mg/L	6.540 NTU	44.9 mV	74.80 ft	320.0 ml/min
8/26/2025 2:14 PM	01:40:00	7.435 pH	20.23 °C	623.2 µS/cm	4.047 mg/L	5.650 NTU	44.7 mV	76.70 ft	320.0 ml/min
8/26/2025 2:19 PM	01:45:00	7.444 pH	20.13 °C	614.9 µS/cm	4.077 mg/L	4.810 NTU	44.9 mV	78.20 ft	320.0 ml/min
8/26/2025 2:24 PM	01:50:00	7.456 pH	20.20 °C	604.8 µS/cm	3.881 mg/L	8.600 NTU	45.2 mV	79.80 ft	320.0 ml/min
8/26/2025 2:29 PM	01:55:00	7.486 pH	20.14 °C	631.5 µS/cm	2.697 mg/L	59.00 NTU	41.5 mV	81.50 ft	320.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/27/2025 8:52:07 AM
Project: Plant Branch Ash Ponds
Operator Name: Hunter Auld

Location Name: PZ-68D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 77 ft** **Total Depth: 87 ft** **Initial Depth to Water: 47.79 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 82 ft** **Estimated Total Volume Pumped: 2500 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 4.01 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 0917, after allowing overnight recharge. Sunny 65.

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 8:52 AM	00:00	7.335 pH	19.85 °C	787.6 µS/cm	4.855 mg/L	26.40 NTU	215.0 mV	47.79 ft	100.0 ml/min
8/27/2025 8:57 AM	05:00	7.399 pH	19.60 °C	814.9 µS/cm	1.687 mg/L	35.60 NTU	196.8 mV	49.10 ft	100.0 ml/min
8/27/2025 9:02 AM	10:00	7.406 pH	19.65 °C	811.4 µS/cm	1.236 mg/L	27.50 NTU	194.2 mV	49.70 ft	100.0 ml/min
8/27/2025 9:07 AM	15:00	7.386 pH	19.68 °C	779.6 µS/cm	1.144 mg/L	16.80 NTU	165.1 mV	50.50 ft	100.0 ml/min
8/27/2025 9:12 AM	20:00	7.368 pH	19.68 °C	772.9 µS/cm	0.908 mg/L	16.00 NTU	162.2 mV	51.10 ft	100.0 ml/min
8/27/2025 9:17 AM	25:00	7.367 pH	19.74 °C	753.9 µS/cm	0.676 mg/L	9.610 NTU	139.4 mV	51.80 ft	100.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/27/2025 2:13:08 PM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: PZ-74I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.9 ft** **Total Depth: 50.9 ft** **Initial Depth to Water: 28.15 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 9.675 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 4.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1456
Sunny, 80s

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 2:13 PM	00:00	6.047 pH	21.33 °C	535.5 µS/cm	4.429 mg/L	11.70 NTU	16.3 mV	28.15 ft	225.0 ml/min
8/27/2025 2:18 PM	05:00	6.015 pH	21.17 °C	525.0 µS/cm	3.271 mg/L	12.80 NTU	19.4 mV	28.50 ft	225.0 ml/min
8/27/2025 2:23 PM	10:00	6.003 pH	20.97 °C	526.4 µS/cm	2.953 mg/L	18.40 NTU	21.2 mV	28.50 ft	225.0 ml/min
8/27/2025 2:26 PM	13:33	5.998 pH	20.82 °C	526.2 µS/cm	2.918 mg/L	23.40 NTU	22.6 mV	28.50 ft	225.0 ml/min
8/27/2025 2:31 PM	18:33	6.003 pH	21.18 °C	526.7 µS/cm	2.883 mg/L	14.10 NTU	22.8 mV	28.50 ft	225.0 ml/min
8/27/2025 2:36 PM	23:33	6.004 pH	20.80 °C	526.7 µS/cm	2.890 mg/L	11.30 NTU	23.6 mV	28.50 ft	225.0 ml/min
8/27/2025 2:41 PM	28:33	6.001 pH	21.12 °C	527.3 µS/cm	2.902 mg/L	9.660 NTU	24.1 mV	28.50 ft	225.0 ml/min
8/27/2025 2:46 PM	33:33	6.007 pH	20.63 °C	526.7 µS/cm	2.889 mg/L	5.950 NTU	24.5 mV	28.50 ft	225.0 ml/min
8/27/2025 2:51 PM	38:33	6.007 pH	20.61 °C	527.6 µS/cm	2.885 mg/L	4.490 NTU	24.9 mV	28.50 ft	225.0 ml/min
8/27/2025 2:56 PM	43:33	6.007 pH	20.97 °C	528.8 µS/cm	2.890 mg/L	4.300 NTU	25.0 mV	28.50 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 8/27/2025 11:34:20 AM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: PZ-75I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.4 ft** **Total Depth: 30.4 ft** **Initial Depth to Water: 17.55 ft**	**Pump Type: Peristaltic 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: 250 ml/min** **Final Draw Down: 0.6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1204
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	
8/27/2025 11:34 AM	00:00	5.846 pH	20.42 °C	572.9 µS/cm	2.740 mg/L	17.10 NTU	-18.9 mV	17.55 ft	250.0 ml/min
8/27/2025 11:39 AM	05:00	5.787 pH	19.57 °C	573.2 µS/cm	2.301 mg/L	7.160 NTU	30.2 mV	17.60 ft	250.0 ml/min
8/27/2025 11:44 AM	10:00	5.766 pH	19.53 °C	570.9 µS/cm	2.425 mg/L	10.80 NTU	35.7 mV	17.60 ft	250.0 ml/min
8/27/2025 11:49 AM	15:00	5.762 pH	19.59 °C	575.0 µS/cm	2.366 mg/L	9.800 NTU	38.3 mV	17.60 ft	250.0 ml/min
8/27/2025 11:54 AM	20:00	5.768 pH	19.56 °C	573.8 µS/cm	2.335 mg/L	5.630 NTU	38.7 mV	17.60 ft	250.0 ml/min
8/27/2025 11:59 AM	25:00	5.765 pH	19.63 °C	572.7 µS/cm	2.336 mg/L	3.780 NTU	39.5 mV	17.60 ft	250.0 ml/min
8/27/2025 12:04 PM	30:00	5.768 pH	19.50 °C	572.8 µS/cm	2.366 mg/L	2.980 NTU	39.1 mV	17.60 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Plant Branch Surface Water Samples 08/27/2025

Sample ID	Total Depth (ft)	Sample Depth (ft)	Time	Temp(°C)	pH	OPR (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
BRA-LR-1(surface)	27.3	surface	1113	28.5	7.03	238.6	5.64	13.62	0.065	33.178603, -83.317692
BRA-LR-1(mid)		13.5	1110	28.4	7.01	246.6	5.61	4.19	0.065	
BRA-LR-1(bottom)		27	1104	28.3	6.96	241.5	5.22	5.06	0.065	
BRA-LS+3A(surface)	5.0	surface	1055	28.6	7.24	238.3	6.46	5.89	0.066	33.185681, -83.311205
BRA-LS+3(surface)	10.2	surface	1048	28.6	7.13	236.8	5.87	5.21	0.066	33.185457, -83.311869
BRA-LS+3(mid)		10	1050	28.2	7.11	234.9	5.72	4.21	0.066	
BRA-LR+8A(surface)	7.2	surface	1118	28.7	7.06	261.0	5.70	8.63	0.066	33.188793, -83.298479
BRA-LR+9A(surface)	--	surface	1120	28.5	7.05	256.8	5.92	3.95	0.067	33.190136, -83.297139
BRA-LR+8(surface)	29.3	surface	1036	28.3	6.95	218.5	4.94	4.51	0.066	33.187322, -83.296928
BRA-LR+8(mid)		14.5	1032	28.3	6.93	220.9	4.88	3.42	0.066	
BRA-LR+8(bottom)		29	1029	28.3	6.88	219.9	4.97	4.07	0.066	
BRA-LR+9(surface)	50.3	surface	1022	28.3	6.86	218.0	4.71	4.01	0.066	33.189500, -83.295199
BRA-LR+9(mid)		25	1019	28.3	6.79	221.7	4.38	3.66	0.066	
BRA-LR+9(bottom)		50	1013	28.3	6.77	222.0	4.20	4.65	0.067	
BRA-LR+10(surface)	28.2	surface	0957	28.3	7.01	205.9	5.20	3.24	0.066	33.188519, -83.284506
BRA-LR+10(mid)		14	1000	28.3	6.90	218.1	5.10	3.78	0.066	
BRA-LR+10(bottom)		28	0951	28.2	6.99	206.7	5.20	4.61	0.066	

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP-BLD Date: 08-26-25

Calibrated By: J. May Field Conditions: Sunny, 70s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1235093
Turbidity Meter	Hach 2100Q	22080D400803

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0265	01/27	PINE
pH (SU)	7.00	4GL1064	12/26	PINE
pH (SU)	10.00	4GC0600	03/26	PINE
Specific Conductance (µS/cm)	1,413	5GA0308	01/26	PINE
ORP (mV)	240.0	5GE0627	02/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4172	09/25	HACH
	20	A4183	10/25	HACH
	100	A4179	10/25	HACH

Calibration					
Time Start: 0805		Time Finish: 0820			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	99.70	20.18	± 10%	EPA 2023
pH (SU)	4.00	4.00	19.86	± 0.1	GWMP
pH (SU)	7.00	7.02	19.82	± 0.1	GWMP
pH (SU)	10.00	10.05	19.65	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1415	19.57	± 10% of standard	NA
ORP (mV)	~~240.0~~ 236.4	~~239.8~~ 236.4	19.39	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.43	± 10% of standard	EPA 2023
	10	10.4		
	20	18.8		
	100	98.0		

Calibration Check					
Time Start 1240		Time Finish 1250			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.01	28.46	± 0.1	GWMP
pH (SU)	7.00	6.99	28.88	± 0.1	GWMP
pH (SU)	10.00	9.95	28.69	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1414	28.58	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.38	± 10% of standard	EPA 2023
	10	9.87		
	20	19.6		
	100	101		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch AP-BLD Date: 08-27-25

Calibrated By: J. May Field Conditions: Sunny, 60s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1235093
Turbidity Meter	Hach 2100Q	22080[illegible]

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0865	01/27	PINE
pH (SU)	7.00	4GL1064	12/26	PINE
pH (SU)	10.00	4GC0600	03/26	PINE
Specific Conductance (µS/cm)	1,413	5GA0308	01/26	PINE
ORP (mV)	240.0	5GE0627	02/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4172	09/25	HACH
	20	A4183	10/25	HACH
	100	A4179	09/25	HACH

Calibration					
Time Start: 0805			Time Finish: 0825		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	99.99	16.80	± 10%	EPA 2023
pH (SU)	4.00	4.00	19.32	± 0.1	GWMP
pH (SU)	7.00	7.02	19.35	± 0.1	GWMP
pH (SU)	10.00	10.05	19.27	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1411	19.13	± 10% of standard	NA
ORP (mV)	236.7 ~~240.0~~	236.7	19.19	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.25	± 10% of standard	EPA 2023
	10	10.1		
	20	21.7		
	100	104		

Calibration Check					
Time Start 1210			Time Finish 1220		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.00	23.26	± 0.1	GWMP
pH (SU)	7.00	7.00	23.44	± 0.1	GWMP
pH (SU)	10.00	10.00	23.20	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1411	23.90	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.31	± 10% of standard	EPA 2023
	10	9.62		
	20	19.8		
	100	98.7		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch AP-BCD Date: 08-28-25

Calibrated By: J. May Field Conditions: Cloudy, 60s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTrol 500	1235093
Turbidity Meter	Hach 2100Q	22030D000883

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	SGA0865	01/27	PINE
pH (SU)	7.00	HGL1064	12/26	PINE
pH (SU)	10.00	HGL0600	03/26	PINE
Specific Conductance (µS/cm)	1,413	SGA0308	01/26	PINE
ORP (mV)	240.0	SGE0627	07/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4172	09/25	HACH
	20	A4183	10/25	HACH
	100	A4179	10/25	HACH

Calibration					
Time Start: 0825		Time Finish: 0845			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	99.98	19.97	± 10%	EPA 2023
pH (SU)	4.00	4.00	20.34	± 0.1	GWMP
pH (SU)	7.00	7.02	20.46	± 0.1	GWMP
pH (SU)	10.00	10.05	20.53	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1411	20.47	± 10% of standard	NA
ORP (mV)	234.7~~240.0~~	233.5	20.69	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.28	± 10% of standard	EPA 2023
	10	10.2		
	20	21.1		
	100	101		

Calibration Check					
Time Start		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			

Field Instrumentation Calibration Form

Site Name: Plant Branch BCD

Date: 8-26-25

Calibrated By: HAuld

Field Conditions: p. cloudy, 65°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 500	1235076
Turbidity Meter	HACH 2100Q	11090012353

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
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	4GL1333	12/25	PINE
ORP (mV)	240.0	5GE0627	02/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	6/26	HACH
	20	A5092	7/26	HACH
	100	A5081	6/26	HACH

Calibration					
Time Start: 0815		Time Finish: 0845			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	~~4.00~~ 100%	18.9	± 10%	EPA 2023
pH (SU)	4.00	~~7.02~~ 4.00	19.7	± 0.1	GWMP
pH (SU)	7.00	~~10.05~~ 7.02	19.4	± 0.1	GWMP
pH (SU)	10.00	10.05	19.3	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1284	20.0	± 10% of standard	NA
ORP (mV)	240.0	236	~~236~~ 20.1	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.23	± 10% of standard	EPA 2023
	10	10.2		
	20	20.4		
	100	102		

Calibration Check					
Time Start 1435		Time Finish 1445			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.03	27.5	± 0.1	GWMP
pH (SU)	7.00	7.05	26.9	± 0.1	GWMP
pH (SU)	10.00	9.97	27.2	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1402	27.4	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.2	± 10% of standard	EPA 2023
	10	10.4		
	20	19.6		
	100	103		

Notes:

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP BCD Date: 8-27-25

Calibrated By: H. Auld Field Conditions: Sunny, 61°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 600	(1285076)
Turbidity Meter	HACH 2100Q	11090C012353

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
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	4GL1333	12/25	PINE
ORP (mV)	240.0	5GE0627	02/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	6/26	HACH
	20	A5092	7/26	HACH
	100	A5081	6/26	HACH

Calibration					
Time Start: 0800		Time Finish: 0830			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100%	17.5	± 10%	EPA 2023
pH (SU)	4.00	4.00	21.9	± 0.1	GWMP
pH (SU)	7.00	7.02	21.2	± 0.1	GWMP
pH (SU)	10.00	10.02	22.2	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	22.0	± 10% of standard	NA
ORP (mV)	240.0	233	22.1	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.1	± 10% of standard	EPA 2023
	10	10.0		
	20	20.0		
	100	100		

Calibration Check					
Time Start 1400		Time Finish 1410			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	3.96	27.9	± 0.1	GWMP
pH (SU)	7.00	7.04	28.8	± 0.1	GWMP
pH (SU)	10.00	9.99	28.6	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1405	28.3	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.2	± 10% of standard	EPA 2023
	10	10.1		
	20	20.0		
	100	101		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP BCD Date: 8-28-25

Calibrated By: H. Auld Field Conditions: cloudy, 65°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1235076
Turbidity Meter	HACH 2100Q	110100012353

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
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	4GL1333	12/25	PINE
ORP (mV)	240.0	5GE0627	02/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	6/26	HACH
	20	A5092	7/26	HACH
	100	A5081	6/26	HACH

Calibration					
Time Start: 0815		Time Finish: 0845			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100%	18.7	± 10%	EPA 2023
pH (SU)	4.00	4.00	19.3	± 0.1	GWMP
pH (SU)	7.00	7.02	19.2	± 0.1	GWMP
pH (SU)	10.00	10.05	19.4	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	19.4	± 10% of standard	NA
ORP (mV)	240.0	236	19.4	± 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	1 well only	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			

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch

Date: 8/26/25

Calibrated By: J. Brantley

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183974
Turbidity Meter	HACH 2100Q	24010D00046

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	56A0865	01/27	PINE
pH (SU)	7.00	46L1064	12/26	PINE
pH (SU)	10.00	4661192	07/26	PINE
Specific Conductance (µS/cm)	1,413	56A0308	01/26	PINE
ORP (mV)	240.0	56A0447	10/25	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	HACH
	20	A5092	07/26	HACH
	100	A5081	06/26	HACH

Calibration					
Time Start: 0807		Time Finish: 0823			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	97.7	20.18	± 10%	EPA 2023
pH (SU)	4.00	4.06	21.53	± 0.1	GWMP
pH (SU)	7.00	7.02	21.87	± 0.1	GWMP
pH (SU)	10.00	10.05	21.41	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	21.5	± 10% of standard	NA
ORP (mV)	~~240.0~~ 233	233	21.57	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.29	± 10% of standard	EPA 2023
	10	9.69		
	20	20.1		
	100	101		

Calibration Check					
Time Start 1157		Time Finish 1206			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.07	26.29	± 0.1	GWMP
pH (SU)	7.00	7.03	26.34	± 0.1	GWMP
pH (SU)	10.00	10.06	26.12	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1452	26.18	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.22	± 10% of standard	EPA 2023
	10	9.88		
	20	20.1		
	100	103		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plot Branch Date: 8/27/25

Calibrated By: J. Brookfield Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183974
Turbidity Meter	HACH 2100Q	24010D006462

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0865	01/27	PINE
pH (SU)	7.00	4GL1064	12/26	PINE
pH (SU)	10.00	4GG1192	07/26	PINE
Specific Conductance (µS/cm)	1,413	5GA0308	01/26	PINE
ORP (mV)	240.0	5GA0447	10/25	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	HACH
	20	A5092	07/26	HACH
	100	A5081	06/26	HACH

Calibration					
Time Start: 0803		**Time Finish:** 0815			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	105.7	17.65	± 10%	EPA 2023
pH (SU)	4.00	4.00	19.42	± 0.1	GWMP
pH (SU)	7.00	7.02	20.16	± 0.1	GWMP
pH (SU)	10.00	10.05	19.97	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1284	1284	19.48	± 10% of standard	NA
ORP (mV)	~~240.0~~ 235	235	19.91	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.31	± 10% of standard	EPA 2023
	10	10.1		
	20	20.2		
	100	100		

Calibration Check					
Time Start 1210		**Time Finish** 1219			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.08	24.47	± 0.1	GWMP
pH (SU)	7.00	7.05	24.42	± 0.1	GWMP
pH (SU)	10.00	10.07	23.90	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1274	1331	24.41	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.32	± 10% of standard	EPA 2023
	10	10.1		
	20	19.8		
	100	102		

GEL Laboratories LLC
a member of The GEL Group INC

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

March 05, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Plant Branch Ash Ponds- Upgradient
Work Order: 765187

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 20, 2026. 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
765187001	BRA-BRGWA-2I	Ground Water	02/18/26 13:30	02/20/26 14:43
765187002	BRA-BRGWA-6S	Ground Water	02/18/26 13:29	02/20/26 14:43
765187003	BRA-BRGWA-2S	Ground Water	02/18/26 14:20	02/20/26 14:43
765187004	BRA-BRGWA-5S	Ground Water	02/18/26 14:35	02/20/26 14:43
765187005	BRA-BRGWA-5I	Ground Water	02/18/26 15:25	02/20/26 14:43

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	23-FEB-2026
SW846 7470A Prep	23-FEB-2026

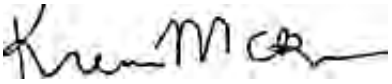
Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	23-FEB-2026
SM 2320B	27-FEB-2026
SM 2540C	25-FEB-2026

SW846	3005A/6020B	26-FEB-2026
SW846	3005A/6020B	27-FEB-2026
SW846	7470A	24-FEB-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765187 GEL Work Order: 765187

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

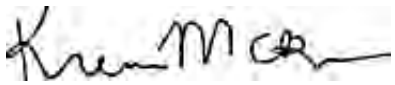
J Value is estimated

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, Abagail Martin.

Reviewed by 

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

Certificate of Analysis

Report Date: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-2I	Project:	GPCC01324
Sample ID:	765187001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 13:30		
Receive Date:	20-FEB-26		
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		2.04	0.0670	0.200	mg/L		1	TXT1	02/23/26	2101	2950383	1
Fluoride	J	0.0548	0.0330	0.100	mg/L		1					
Sulfate		2.74	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	02/24/26	1248	2950070	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1941	2949898	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	J	0.00386	0.000670	0.00400	mg/L	1.00	1					
Boron	J	0.00969	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		12.1	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00473	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000755	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0827	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00509	0.00300	0.0100	mg/L	1.00	1					
Magnesium		7.33	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0109	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000357	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.97	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		5.01	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1509	2949898	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		98.0	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		62.5	0.725	2.00	mg/L			IS2	02/27/26	0953	2953160	6
Bicarbonate alkalinity (CaCO3)		62.5	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 5, 2026

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

Client Sample ID:	BRA-BRGWA-2I	Project:	GPCC01324
Sample ID:	765187001	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949897

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	
6	SM 2320B	

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

Certificate of Analysis

Report Date: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-6S	Project:	GPCC01324
Sample ID:	765187002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 13:29		
Receive Date:	20-FEB-26		
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	TXT1	02/23/26	2133	2950383	1
Fluoride	J	0.0460	0.0330	0.100	mg/L		1					
Sulfate	J	0.330	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	02/24/26	1250	2950070	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	2001	2949898	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0151	0.000670	0.00400	mg/L	1.00	1					
Boron	J	0.00922	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		4.26	0.0800	0.200	mg/L	1.00	1					
Chromium		0.0129	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0958	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00346	0.00300	0.0100	mg/L	1.00	1					
Magnesium		4.28	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00474	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.679	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		2.51	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1517	2949898	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		51.0	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		27.8	0.725	2.00	mg/L			IS2	02/27/26	0955	2953160	6
Bicarbonate alkalinity (CaCO3)		27.8	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID: BRA-BRGWA-6S
Sample ID: 765187002
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949897
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	
6	SM 2320B	

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: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-2S	Project:	GPCC01324
Sample ID:	765187003	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 14:20		
Receive Date:	20-FEB-26		
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		2.08	0.0670	0.200	mg/L		1	TXT1	02/23/26	2205	2950383	1
Fluoride	J	0.0500	0.0330	0.100	mg/L		1					
Sulfate	J	0.387	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	02/24/26	1111	2950073	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	2004	2949898	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0135	0.000670	0.00400	mg/L	1.00	1					
Boron	J	0.00878	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		5.56	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00742	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00128	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0510	0.0330	0.100	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					
Magnesium		5.60	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0505	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.467	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		3.62	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1518	2949898	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		68.0	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		37.3	0.806	2.22	mg/L			IS2	02/27/26	0956	2953160	6
Bicarbonate alkalinity (CaCO3)		37.3	0.806	2.22	mg/L							

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Certificate of Analysis

Report Date: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID: BRA-BRGWA-2S
Sample ID: 765187003
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.806	2.22	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949897
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950072

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	
6	SM 2320B	

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: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-5S	Project:	GPCC01324
Sample ID:	765187004	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 14:35		
Receive Date:	20-FEB-26		
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		3.51	0.0670	0.200	mg/L		1	TXT1	02/23/26	2237	2950383	1
Fluoride	J	0.0570	0.0330	0.100	mg/L		1					
Sulfate		0.629	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	02/24/26	1112	2950073	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	2007	2949898	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0318	0.000670	0.00400	mg/L	1.00	1					
Boron	J	0.00907	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		16.0	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00776	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0934	0.0330	0.100	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					
Magnesium		8.35	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0138	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		0.603	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		5.32	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1520	2949898	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		108	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		78.0	0.725	2.00	mg/L			IS2	02/27/26	1000	2953160	6
Bicarbonate alkalinity (CaCO3)		78.0	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID: BRA-BRGWA-5S
Sample ID: 765187004
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950072
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949897

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	
6	SM 2320B	

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: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID:	BRA-BRGWA-5I	Project:	GPCC01324
Sample ID:	765187005	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 15:25		
Receive Date:	20-FEB-26		
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		4.04	0.0670	0.200	mg/L		1	TXT1	02/23/26	2309	2950383	1
Fluoride	J	0.0374	0.0330	0.100	mg/L		1					
Sulfate		2.95	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	02/24/26	1114	2950073	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	2010	2949898	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0279	0.000670	0.00400	mg/L	1.00	1					
Boron	J	0.00988	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		16.1	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00414	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000440	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00628	0.00300	0.0100	mg/L	1.00	1					
Magnesium		9.79	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00385	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.00112	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.72	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		4.95	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1521	2949898	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		112	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		82.9	0.725	2.00	mg/L			IS2	02/27/26	1001	2953160	6
Bicarbonate alkalinity (CaCO3)		82.9	0.725	2.00	mg/L							

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

Certificate of Analysis

Report Date: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Upgradient

Client Sample ID: BRA-BRGWA-5I
Sample ID: 765187005
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949897
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950072

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	
6	SM 2320B	

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

QC Summary

Report Date: March 5, 2026

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

Contact: **Chris Tidwell**

Workorder: **765187**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2950383												
QC1206387884 765184001 DUP												
Chloride			5.88		5.91	mg/L	0.573			(0%-20%)	TXT1	02/23/26 16:47
Fluoride		J	0.0832	J	0.0870	mg/L	4.47	^		(+/-0.100)		
Sulfate			372		374	mg/L	0.608			(0%-20%)		02/24/26 04:27
QC1206387881 LCS												
Chloride	5.00				4.62	mg/L			92.5	(90%-110%)		02/23/26 13:04
Fluoride	2.50				2.33	mg/L			93.2	(90%-110%)		
Sulfate	10.0				9.41	mg/L			94.1	(90%-110%)		
QC1206387880 MB												
Chloride				U	ND	mg/L						02/23/26 12:32
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1206387885 765184001 MS												
Chloride	5.00		5.88		11.2	mg/L			106	(90%-110%)		02/23/26 17:19
Fluoride	2.50	J	0.0832		2.38	mg/L			91.9	(90%-110%)		
Sulfate	250		372		631	mg/L			103	(90%-110%)		02/24/26 04:59

QC Summary

Workorder: **765187**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949898										
QC1206387023 LCS										
Antimony	0.0500			0.0495	mg/L		99	(80%-120%)	BAJ	02/26/26 19:38
Arsenic	0.0500			0.0507	mg/L		101	(80%-120%)		
Barium	0.0500			0.0493	mg/L		98.7	(80%-120%)		
Beryllium	0.0500			0.0577	mg/L		115	(80%-120%)		02/27/26 15:08
Boron	0.100			0.120	mg/L		120	(80%-120%)		02/26/26 19:38
Cadmium	0.0500			0.0507	mg/L		101	(80%-120%)		
Calcium	2.00			2.10	mg/L		105	(80%-120%)		
Chromium	0.0500			0.0496	mg/L		99.1	(80%-120%)		
Cobalt	0.0500			0.0484	mg/L		96.8	(80%-120%)		
Iron	2.00			2.01	mg/L		100	(80%-120%)		
Lead	0.0500			0.0512	mg/L		102	(80%-120%)		
Lithium	0.0500			0.0583	mg/L		117	(80%-120%)		
Magnesium	2.00			2.15	mg/L		108	(80%-120%)		
Manganese	0.0500			0.0499	mg/L		99.9	(80%-120%)		

QC Summary

Workorder: **765187**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949898										
Molybdenum	0.0500			0.0523	mg/L		105	(80%-120%)	BAJ	02/26/26 19:38
Potassium	2.00			2.06	mg/L		103	(80%-120%)		
Selenium	0.0500			0.0509	mg/L		102	(80%-120%)		
Sodium	2.00			2.15	mg/L		108	(80%-120%)		
Thallium	0.0500			0.0493	mg/L		98.6	(80%-120%)		
QC1206387022 MB										
Antimony			U	ND	mg/L					02/26/26 19:35
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					02/27/26 15:06
Boron			J	0.00570	mg/L					02/26/26 19:35
Cadmium			U	ND	mg/L					
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					

QC Summary

Workorder: **765187**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949898											
Iron				U	ND	mg/L				BAJ	02/26/26 19:35
Lead				U	ND	mg/L					
Lithium				U	ND	mg/L					
Magnesium				U	ND	mg/L					
Manganese				U	ND	mg/L					
Molybdenum				U	ND	mg/L					
Potassium				U	ND	mg/L					
Selenium				U	ND	mg/L					
Sodium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206387024 765187001 MS											
Antimony	0.0500	U	ND		0.0496	mg/L		99	(75%-125%)		02/26/26 19:43
Arsenic	0.0500	U	ND		0.0514	mg/L		101	(75%-125%)		
Barium	0.0500	J	0.00386		0.0517	mg/L		95.6	(75%-125%)		
Beryllium	0.0500	U	ND		0.0582	mg/L		116	(75%-125%)		02/27/26 15:10

QC Summary

Workorder: **765187**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949898											
Boron	0.100	J	0.00969		0.122	mg/L		112	(75%-125%)	BAJ	02/26/26 19:43
Cadmium	0.0500	U	ND		0.0512	mg/L		102	(75%-125%)		
Calcium	2.00		12.1		13.7	mg/L		N/A	(75%-125%)		
Chromium	0.0500	J	0.00473		0.0541	mg/L		98.8	(75%-125%)		
Cobalt	0.0500	J	0.000755		0.0491	mg/L		96.6	(75%-125%)		
Iron	2.00	J	0.0827		2.07	mg/L		99.2	(75%-125%)		
Lead	0.0500	U	ND		0.0507	mg/L		101	(75%-125%)		
Lithium	0.0500	J	0.00509		0.0625	mg/L		115	(75%-125%)		
Magnesium	2.00		7.33		9.36	mg/L		102	(75%-125%)		
Manganese	0.0500		0.0109		0.0603	mg/L		98.9	(75%-125%)		
Molybdenum	0.0500	J	0.000357		0.0529	mg/L		105	(75%-125%)		
Potassium	2.00		1.97		4.00	mg/L		102	(75%-125%)		
Selenium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		
Sodium	2.00		5.01		7.16	mg/L		108	(75%-125%)		

QC Summary

Workorder: **765187**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949898											
Thallium	0.0500	U	ND		0.0495	mg/L		98.9	(75%-125%)	BAJ	02/26/26 19:43
QC1206387025 765187001 MSD											
Antimony	0.0500	U	ND		0.0505	mg/L	1.84	101	(0%-20%)		02/26/26 19:46
Arsenic	0.0500	U	ND		0.0524	mg/L	1.96	103	(0%-20%)		
Barium	0.0500	J	0.00386		0.0540	mg/L	4.44	100	(0%-20%)		
Beryllium	0.0500	U	ND		0.0598	mg/L	2.66	120	(0%-20%)		02/27/26 15:11
Boron	0.100	J	0.00969		0.126	mg/L	3.73	117	(0%-20%)		02/26/26 19:46
Cadmium	0.0500	U	ND		0.0516	mg/L	0.746	103	(0%-20%)		
Calcium	2.00		12.1		14.1	mg/L	2.57	N/A	(0%-20%)		
Chromium	0.0500	J	0.00473		0.0553	mg/L	2.14	101	(0%-20%)		
Cobalt	0.0500	J	0.000755		0.0505	mg/L	2.87	99.5	(0%-20%)		
Iron	2.00	J	0.0827		2.12	mg/L	2.48	102	(0%-20%)		
Lead	0.0500	U	ND		0.0520	mg/L	2.66	104	(0%-20%)		
Lithium	0.0500	J	0.00509		0.0647	mg/L	3.45	119	(0%-20%)		
Magnesium	2.00		7.33		9.53	mg/L	1.77	110	(0%-20%)		

QC Summary

Workorder: **765187**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949898											
Manganese	0.0500		0.0109		0.0625	mg/L	3.56	103	(0%-20%)	BAJ	02/26/26 19:46
Molybdenum	0.0500	J	0.000357		0.0524	mg/L	0.969	104	(0%-20%)		
Potassium	2.00		1.97		4.11	mg/L	2.49	107	(0%-20%)		
Selenium	0.0500	U	ND		0.0511	mg/L	1.99	102	(0%-20%)		
Sodium	2.00		5.01		7.37	mg/L	2.83	118	(0%-20%)		
Thallium	0.0500	U	ND		0.0504	mg/L	1.72	101	(0%-20%)		
QC1206387027 765187001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/26/26 19:52
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium		J	3.86	J	0.754	ug/L	2.26		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/27/26 15:14
Boron		J	9.69	J	5.25	ug/L	171		(0%-20%)		02/26/26 19:52
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Calcium			12100		2380	ug/L	1.75		(0%-20%)		
Chromium		J	4.73	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **765187**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949898										
Cobalt	J	0.755	U	ND	ug/L	N/A		(0%-20%)	BAJ	02/26/26 19:52
Iron	J	82.7	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	J	5.09	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		7330		1420	ug/L	3.13		(0%-20%)		
Manganese		10.9	J	2.36	ug/L	8.3		(0%-20%)		
Molybdenum	J	0.357	U	ND	ug/L	N/A		(0%-20%)		
Potassium		1970		395	ug/L	.348		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		5010		954	ug/L	4.77		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2950070										
QC1206387282 765174001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	02/24/26 12:10
QC1206387281 LCS										
Mercury	0.00200			0.00202	mg/L		101	(80%-120%)		02/24/26 12:07

QC Summary

Workorder: 765187

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Metals Analysis-Mercury												
Batch 2950070												
QC1206387280 MB												
Mercury				U	ND	mg/L					JP2	02/24/26 12:05
QC1206387283 765174001 MS												
Mercury	0.00200	U	ND		0.00122	mg/L			61.1*	(75%-125%)		02/24/26 12:12
QC1206387284 765174001 PS												
Mercury	2.00	U	ND		1.26	ug/L			63.2*	(80%-120%)		02/24/26 12:13
Batch 2950073												
QC1206387287 764981009 DUP												
Mercury			0.000349		0.000343	mg/L	1.73	^		(+/-0.000200)	JP2	02/24/26 10:33
QC1206387286 LCS												
Mercury	0.00200				0.00206	mg/L			103	(80%-120%)		02/24/26 10:30
QC1206387285 MB												
Mercury				U	ND	mg/L						02/24/26 10:28
QC1206387288 764981009 MS												
Mercury	0.00200		0.000349		0.00237	mg/L			101	(75%-125%)		02/24/26 10:34
Solids Analysis												
Batch 2951699												
QC1206390013 764808008 DUP												
Total Dissolved Solids			394		395	mg/L	0.253			(0%-5%)	SC1	02/25/26 17:35
QC1206390012 LCS												
Total Dissolved Solids	300				299	mg/L			99.7	(95%-105%)		02/25/26 17:35
QC1206390011 MB												
Total Dissolved Solids				U	ND	mg/L						02/25/26 17:35

QC Summary

Workorder: **765187**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Titration and Ion Analysis										
Batch 2953160										
QC1206392413 765187003 DUP										
Alkalinity, Total as CaCO3		37.3		37.1	mg/L	0.597		(0%-20%)	IS2	02/27/26 09:57
Bicarbonate alkalinity (CaCO3)		37.3		37.1	mg/L	0.597		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206392410 LCS										
Alkalinity, Total as CaCO3	15.0			13.9	mg/L		92.7	(90%-110%)		02/27/26 09:33
QC1206392415 LCS										
Alkalinity, Total as CaCO3	50.0			52.9	mg/L		106	(90%-110%)		02/27/26 09:34
QC1206392414 765187003 MS										
Alkalinity, Total as CaCO3	55.6	37.3		94.4	mg/L		103	(80%-120%)		02/27/26 09:58

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

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: 2949898

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2949897

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

GEL Sample ID#	Client Sample Identification
765187001	BRA-BRGWA-2I
765187002	BRA-BRGWA-6S
765187003	BRA-BRGWA-2S
765187004	BRA-BRGWA-5S
765187005	BRA-BRGWA-5I
1206387022	Method Blank (MB)**ICP-MS Batch 2949898**
1206387023	Laboratory Control Sample (LCS)
1206387027	765187001(BRA-BRGWA-2IL) Serial Dilution (SD)
1206387024	765187001(BRA-BRGWA-2IS) Matrix Spike (MS)
1206387025	765187001(BRA-BRGWA-2ISD) 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: 2950070

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2950069

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

GEL Sample ID#	Client Sample Identification
765187001	BRA-BRGWA-2I
765187002	BRA-BRGWA-6S
1206387280	Method Blank (MB)**CVAA Batch 2950070**
1206387281	Laboratory Control Sample (LCS)
1206387282	765174001(BRA-PZ-63ID) Sample Duplicate (DUP)
1206387283	765174001(BRA-PZ-63IS) Matrix Spike (MS)
1206387284	765174001(BRA-PZ-63IPS) 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
1206387283 (BRA-PZ-63IMS)	Mercury	61.1* (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
1206387284 (BRA-PZ-63IPS)	Mercury	63.2* (80%-120%)

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2950073

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2950072

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

GEL Sample ID#	Client Sample Identification
765187003	BRA-BRGWA-2S
765187004	BRA-BRGWA-5S
765187005	BRA-BRGWA-5I
1206387285	Method Blank (MB)**CVAA Batch 2950073**
1206387286	Laboratory Control Sample (LCS)
1206387287	764981009(NonSDGD) Sample Duplicate (DUP)
1206387288	764981009(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: 2950383

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

GEL Sample ID#	Client Sample Identification
765187001	BRA-BRGWA-2I
765187002	BRA-BRGWA-6S
765187003	BRA-BRGWA-2S
765187004	BRA-BRGWA-5S
765187005	BRA-BRGWA-5I
1206387880	Method Blank (MB) **Batch 2950383**
1206387881	Laboratory Control Sample (LCS)
1206387884	765184001(BRA-PZ-84I) Sample Duplicate (DUP)
1206387885	765184001(BRA-PZ-84I) 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.

Calibration Information

Initial Calibration

Technical Information

Sample Dilutions

The following samples 1206387884 (BRA-PZ-84IDUP) and 1206387885 (BRA-PZ-84IMS) 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 1206387884 (BRA-PZ-84IDUP), 765187001 (BRA-BRGWA-2I), 765187002 (BRA-BRGWA-6S), 765187003 (BRA-BRGWA-2S), 765187004 (BRA-BRGWA-5S) and 765187005 (BRA-BRGWA-5I) 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# 23
Analytical Batch: 2951699

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

GEL Sample ID#	Client Sample Identification
765187001	BRA-BRGWA-2I
765187002	BRA-BRGWA-6S
765187003	BRA-BRGWA-2S
765187004	BRA-BRGWA-5S
765187005	BRA-BRGWA-5I
1206390011	Method Blank (MB) **Batch 2951699**
1206390012	Laboratory Control Sample (LCS)
1206390013	764808008(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.

Calibration Information

Initial Calibration

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2953160

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

GEL Sample ID#	Client Sample Identification
765187001	BRA-BRGWA-2I
765187002	BRA-BRGWA-6S

765187003	BRA-BRGWA-2S
765187004	BRA-BRGWA-5S
765187005	BRA-BRGWA-5I
1206392410	Laboratory Control Sample (LCS) **Batch 2953160**
1206392413	765187003(BRA-BRGWA-2S) Sample Duplicate (DUP)
1206392414	765187003(BRA-BRGWA-2S) Matrix Spike (MS)
1206392415	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.

Calibration Information

Initial Calibration

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206392413 (BRA-BRGWA-2SDUP), 1206392414 (BRA-BRGWA-2SMS) and 765187003 (BRA-BRGWA-2S).

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
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

765187 / 765189 **Chain of Custody and Analytical Request**

GEL Work Order Number: *GEL Project Manager: Abagail Martin*

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 - Upgradient | Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: JB, DJ, 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	Total, Carb, & Bicarb Alk SM 2320B	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
BRA- BRGWA-2I	02/18/26	1330	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-6S	02/18/26	1329	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-2S	02/18/26	1420	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-5S	02/18/26	1435	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-5I	02/18/26	1525	G	N	WG			5	✓	✓	✓	✓	
BRA-													
BRA-													
BRA-													
BRA-													
BRA-													

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	2/20/26	1443	[signature]	2/20/26	1443
2						
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,Fe,Mg,Mn,K,Na,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: GPCL	**SDG/AR/COC/Work Order:** 765187 / 765189	**GEL PM:** AM
Received By: EG	**Date Received at GEL:** 2/20/26	

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

IR Temp gun # IR5-23 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).
1	3		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/25/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

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

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

765187 / 765189 **Chain of Custody and Analytical Request**

GEL Work Order Number: ***GEL Project Manager: Abagail Martin***

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 - Upgradient | Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: JB, DJ, 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	Total, Carb, & Bicarb Alk SM 2320B	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
BRA- BRGWA-2I	02/18/26	1330	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-6S	02/18/26	1329	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-2S	02/18/26	1420	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-5S	02/18/26	1435	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWA-5I	02/18/26	1525	G	N	WG			5	✓	✓	✓	✓	
BRA-													
BRA-													
BRA-													
BRA-													
BRA-													

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	2/20/26	1443	[signature]	2/20/26	1443
2						
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 0 °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

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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: GPCL	**SDG/AR/COC/Work Order:** 765187 / 765189	**GEL PM:** AM
Received By: EG	**Date Received at GEL:** 2/20/26	

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

IR Temp gun # IR5-23 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).
1	3		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/25/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 05 March 2026

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	2026-139
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	SC000122025-50
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

March 13, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Plant Branch Ash Ponds- BCD
Work Order: 765174

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 20, 2026. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 765174 in the left-hand footer of the data report. This report has been revised to correct the sample types for equipment and field blank samples.

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
765174001	BRA-PZ-63I	Ground Water	02/18/26 16:50	02/20/26 14:43
765174002	BRA-BRGWC-30I	Ground Water	02/19/26 10:15	02/20/26 14:43
765174003	BRA-APBCD-EB-04	Ground Water	02/19/26 10:40	02/20/26 14:43
765174004	BRA-APBCD-FD-01	Ground Water	02/19/26 12:00	02/20/26 14:43
765174005	BRA-BRGWC-29I	Ground Water	02/19/26 10:50	02/20/26 14:43
765174006	BRA-BRGWC-32S	Ground Water	02/19/26 11:40	02/20/26 14:43
765174007	BRA-BRGWC-52I	Ground Water	02/19/26 12:05	02/20/26 14:43
765174008	BRA-BRGWC-27I	Ground Water	02/19/26 12:55	02/20/26 14:43
765174009	BRA-APBCD-FD-02	Ground Water	02/19/26 12:00	02/20/26 14:43
765174010	BRA-APBCD-FB-01	Ground Water	02/19/26 13:10	02/20/26 14:43
765174011	BRA-BRGWC-47	Ground Water	02/19/26 12:50	02/20/26 14:43
765174012	BRA-BRGWC-45	Ground Water	02/19/26 14:00	02/20/26 14:43
765174013	BRA-PZ-74I	Ground Water	02/19/26 15:15	02/20/26 14:43
765174014	BRA-PZ-75I	Ground Water	02/19/26 15:20	02/20/26 14:43
765174015	BRA-BRGWC-44	Ground Water	02/19/26 16:34	02/20/26 14:43



765174016	BRA-APBCD-FB-02	Ground Water	02/19/26 16:50	02/20/26 14:43
765174017	BRA-BRGWC-25I	Ground Water	02/19/26 16:00	02/20/26 14:43
765174018	BRA-APBCD-EB-05	Ground Water	02/19/26 16:35	02/20/26 14:43
765174019	BRA-BRGWA-23S	Ground Water	02/19/26 09:50	02/20/26 14:43

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

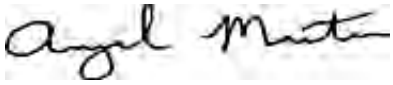
Method	Run Date ID
SW846 3005A	23-FEB-2026
SW846 3005A	24-FEB-2026
SW846 7470A Prep	23-FEB-2026
SW846 7470A Prep	25-FEB-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	23-FEB-2026
EPA 300.0	24-FEB-2026
SM 2320B	27-FEB-2026
SM 2540C	25-FEB-2026
SM 2540C	26-FEB-2026
SW846 3005A/6020B	26-FEB-2026
SW846 3005A/6020B	27-FEB-2026
SW846 7470A	24-FEB-2026
SW846 7470A	26-FEB-2026

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. 4705.

Sincerely,



Abagail Martin
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: 765174 GEL Work Order: 765174

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

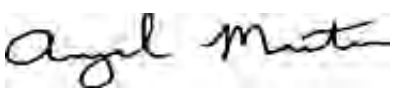
J Value is estimated

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, Abagail Martin.

Reviewed by 

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

Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-PZ-63I
Sample ID: 765174001
Matrix: WG
Collect Date: 18-FEB-26 16:50
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		9.30	0.0670	0.200	mg/L		1	TXT1	02/23/26	1329	2950300	1
Fluoride		0.167	0.0330	0.100	mg/L		1					
Sulfate		451	6.65	20.0	mg/L		50	TXT1	02/23/26	2049	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1209	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1813	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0209	0.000670	0.00400	mg/L	1.00	1					
Cadmium	J	0.000351	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0433	0.000300	0.00100	mg/L	1.00	1					
Iron		0.523	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00776	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000864	0.000200	0.00100	mg/L	1.00	1					
Potassium		9.27	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		22.9	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1428	2949916	5
Boron		0.598	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1402	2949916	6
Calcium		88.9	0.800	2.00	mg/L	1.00	10					
Magnesium		58.7	0.100	0.300	mg/L	1.00	10					
Manganese		9.92	0.0500	0.250	mg/L	1.00	50	BAJ	02/27/26	1456	2949916	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		763	2.38	10.0	mg/L			SC1	02/25/26	1412	2951697	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		23.9	0.725	2.00	mg/L			IS2	02/27/26	0943	2953160	9
Bicarbonate alkalinity (CaCO3)		23.9	0.725	2.00	mg/L							

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

Certificate of Analysis

Report Date: March 13, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID:	BRA-PZ-63I	Project:	GPCC01324
Sample ID:	765174001	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	SW846 3005A/6020B	
8	SM 2540C	
9	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-30I
Sample ID: 765174002
Matrix: WG
Collect Date: 19-FEB-26 10:15
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.60	0.0670	0.200	mg/L		1	TXT1	02/23/26	1421	2950300	1
Fluoride		0.150	0.0330	0.100	mg/L		1					
Sulfate		1290	13.3	40.0	mg/L		100	TXT1	02/23/26	2141	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1215	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1827	2949916	4
Arsenic	J	0.00322	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0300	0.000670	0.00400	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		0.00234	0.000300	0.00100	mg/L	1.00	1					
Iron		0.459	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0384	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00108	0.000200	0.00100	mg/L	1.00	1					
Potassium		6.18	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		33.4	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1434	2949916	5
Boron		1.68	0.104	0.300	mg/L	1.00	20	BAJ	02/27/26	1407	2949916	6
Calcium		485	1.60	4.00	mg/L	1.00	20					
Magnesium		70.7	0.200	0.600	mg/L	1.00	20					
Manganese		2.40	0.0200	0.100	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2100	2.38	10.0	mg/L			SC1	02/25/26	1704	2951701	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		137	0.725	2.00	mg/L			IS2	02/27/26	0946	2953160	8
Bicarbonate alkalinity (CaCO3)		137	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID:	BRA-BRGWC-30I	Project:	GPCC01324
Sample ID:	765174002	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	
8	SM 2320B	

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

Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-EB-04
Sample ID: 765174003
Matrix: WQ
Collect Date: 19-FEB-26 10:40
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	U	ND	0.0670	0.200	mg/L		1	TXT1	02/23/26	1220	2950300	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	02/24/26	1217	2950070	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1836	2949916	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					
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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	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					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1355	2949916	4
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	J	4.00	2.38	10.0	mg/L			SC1	02/25/26	1704	2951701	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	U	ND	0.725	2.00	mg/L			IS2	02/27/26	0947	2953160	6
Bicarbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-EB-04 Project: GPCC01324
Sample ID: 765174003 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
6	SM 2320B	

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

Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FD-01
Sample ID: 765174004
Matrix: WG
Collect Date: 19-FEB-26 12:00
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		9.34	0.0670	0.200	mg/L		1	TXT1	02/23/26	1536	2950300	1
Fluoride	J	0.0982	0.0330	0.100	mg/L		1					
Sulfate		321	6.65	20.0	mg/L		50	TXT1	02/23/26	2158	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1218	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1839	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0157	0.000670	0.00400	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		0.00515	0.000300	0.00100	mg/L	1.00	1					
Iron		13.8	0.0330	0.100	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					
Potassium		9.51	0.0800	0.300	mg/L	1.00	1					
Selenium	J	0.00197	0.00150	0.00500	mg/L	1.00	1					
Sodium		20.0	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium		0.000937	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1435	2949916	5
Magnesium		10.6	0.0100	0.0300	mg/L	1.00	1					
Boron		1.01	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1408	2949916	6
Calcium		96.5	0.800	2.00	mg/L	1.00	10					
Manganese		1.20	0.0100	0.0500	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		498	2.38	10.0	mg/L			SC1	02/25/26	1704	2951701	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	U	ND	0.725	2.00	mg/L			IS2	02/27/26	0949	2953160	8
Bicarbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FD-01 Project: GPCC01324
Sample ID: 765174004 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-29I
Sample ID: 765174005
Matrix: WG
Collect Date: 19-FEB-26 10:50
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		9.33	0.0670	0.200	mg/L		1	TXT1	02/23/26	1553	2950300	1
Fluoride	J	0.0975	0.0330	0.100	mg/L		1					
Sulfate		326	3.33	10.0	mg/L		25	TXT1	02/23/26	2250	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1223	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1842	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0155	0.000670	0.00400	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		0.00516	0.000300	0.00100	mg/L	1.00	1					
Iron		13.4	0.0330	0.100	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					
Potassium		9.46	0.0800	0.300	mg/L	1.00	1					
Selenium	J	0.00195	0.00150	0.00500	mg/L	1.00	1					
Sodium		20.0	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium		0.000917	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1436	2949916	5
Magnesium		10.4	0.0100	0.0300	mg/L	1.00	1					
Boron		1.02	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1409	2949916	6
Calcium		94.0	0.800	2.00	mg/L	1.00	10					
Manganese		1.18	0.0100	0.0500	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		508	2.38	10.0	mg/L			SC1	02/25/26	1704	2951701	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	U	ND	0.725	2.00	mg/L			IS2	02/27/26	0951	2953160	8
Bicarbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-29I
Sample ID: 765174005
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-32S
Sample ID: 765174006
Matrix: WG
Collect Date: 19-FEB-26 11:40
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	U	ND	0.0330	0.100	mg/L		1	TXT1	02/23/26	1611	2950300	1
Chloride		9.64	0.670	2.00	mg/L		10	TXT1	02/23/26	2308	2950300	2
Sulfate		143	1.33	4.00	mg/L		10					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1225	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1845	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0190	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00489	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.03	0.0800	0.300	mg/L	1.00	1					
Selenium		0.0446	0.00150	0.00500	mg/L	1.00	1					
Sodium		24.3	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1437	2949916	5
Calcium		31.5	0.0800	0.200	mg/L	1.00	1					
Magnesium		20.6	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00177	0.00100	0.00500	mg/L	1.00	1					
Boron		0.735	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1411	2949916	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		284	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		41.0	0.725	2.00	mg/L			IS2	02/27/26	0952	2953160	8
Bicarbonate alkalinity (CaCO3)		41.0	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-32S
Sample ID: 765174006
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-52I
Sample ID: 765174007
Matrix: WG
Collect Date: 19-FEB-26 12:05
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		7.32	0.0670	0.200	mg/L		1	TXT1	02/23/26	1628	2950300	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		154	1.33	4.00	mg/L		10	TXT1	02/23/26	2325	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1227	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1848	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0520	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.605	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0148	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000972	0.000200	0.00100	mg/L	1.00	1					
Potassium		4.97	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		20.5	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1439	2949916	5
Calcium		43.4	0.0800	0.200	mg/L	1.00	1					
Magnesium		20.2	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.538	0.00100	0.00500	mg/L	1.00	1					
Boron		1.46	0.104	0.300	mg/L	1.00	20	BAJ	02/27/26	1412	2949916	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		321	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		67.6	0.806	2.22	mg/L			IS2	02/27/26	1334	2953576	8
Bicarbonate alkalinity (CaCO3)		67.6	0.806	2.22	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID:	BRA-BRGWC-52I	Project:	GPCC01324
Sample ID:	765174007	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.806	2.22	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-27I
Sample ID: 765174008
Matrix: WG
Collect Date: 19-FEB-26 12:55
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.57	0.0670	0.200	mg/L		1	TXT1	02/23/26	1645	2950300	1
Fluoride		0.147	0.0330	0.100	mg/L		1					
Sulfate		137	1.33	4.00	mg/L		10	TXT1	02/23/26	2343	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1228	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1851	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0225	0.000670	0.00400	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		0.00169	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	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					
Potassium		5.41	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		16.6	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1442	2949916	5
Magnesium		6.74	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.109	0.00100	0.00500	mg/L	1.00	1					
Boron		0.951	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1416	2949916	6
Calcium		54.0	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		264	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		49.8	0.725	2.00	mg/L			IS2	02/27/26	1339	2953576	8
Bicarbonate alkalinity (CaCO3)		49.8	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-27I
Sample ID: 765174008
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FD-02
Sample ID: 765174009
Matrix: WG
Collect Date: 19-FEB-26 12:00
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		7.30	0.0670	0.200	mg/L		1	TXT1	02/23/26	1703	2950300	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		150	1.33	4.00	mg/L		10	TXT1	02/24/26	0000	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1230	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1854	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0522	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.615	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0157	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00101	0.000200	0.00100	mg/L	1.00	1					
Potassium		5.00	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		20.4	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1443	2949916	5
Calcium		43.5	0.0800	0.200	mg/L	1.00	1					
Magnesium		20.1	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.533	0.00100	0.00500	mg/L	1.00	1					
Boron		1.52	0.104	0.300	mg/L	1.00	20	BAJ	02/27/26	1417	2949916	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		322	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		57.2	0.725	2.00	mg/L			IS2	02/27/26	1341	2953576	8
Bicarbonate alkalinity (CaCO3)		57.2	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FD-02 Project: GPCC01324
Sample ID: 765174009 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FB-01
Sample ID: 765174010
Matrix: WQ
Collect Date: 19-FEB-26 13:10
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	U	ND	0.0670	0.200	mg/L		1	TXT1	02/23/26	1237	2950300	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	02/24/26	1232	2950070	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1857	2949916	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					
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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	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					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1356	2949916	4
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	U	ND	0.725	2.00	mg/L			IS2	02/27/26	1342	2953576	6
Bicarbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FB-01 Project: GPCC01324
Sample ID: 765174010 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
6	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-47
Sample ID: 765174011
Matrix: WG
Collect Date: 19-FEB-26 12:50
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		4.54	0.0670	0.200	mg/L		1	TXT1	02/23/26	1720	2950300	1
Fluoride	J	0.0603	0.0330	0.100	mg/L		1					
Sulfate		1210	13.3	40.0	mg/L		100	TXT1	02/24/26	0017	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1233	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1905	2949916	4
Arsenic	J	0.00260	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0262	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0615	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0545	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000256	0.000200	0.00100	mg/L	1.00	1					
Potassium		12.4	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		44.5	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1445	2949916	5
Manganese		0.00706	0.00100	0.00500	mg/L	1.00	1					
Boron		0.588	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1418	2949916	6
Calcium		321	0.800	2.00	mg/L	1.00	10					
Magnesium		119	0.100	0.300	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1890	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		28.0	0.725	2.00	mg/L			IS2	02/27/26	1344	2953576	8
Bicarbonate alkalinity (CaCO3)		28.0	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-47 Project: GPCC01324
Sample ID: 765174011 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-45
Sample ID: 765174012
Matrix: WG
Collect Date: 19-FEB-26 14:00
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	U	ND	0.0330	0.100	mg/L		1	TXT1	02/23/26	1738	2950300	1
Chloride		13.0	0.335	1.00	mg/L		5	TXT1	02/24/26	0035	2950300	2
Sulfate		443	5.32	16.0	mg/L		40	TXT1	02/24/26	0052	2950300	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1235	2950070	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1908	2949916	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0645	0.000670	0.00400	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		0.00249	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0493	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00368	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000221	0.000200	0.00100	mg/L	1.00	1					
Potassium		4.34	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		24.3	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1446	2949916	6
Boron		0.0523	0.00520	0.0150	mg/L	1.00	1					
Manganese		0.192	0.00100	0.00500	mg/L	1.00	1					
Calcium		109	0.800	2.00	mg/L	1.00	10	BAJ	02/27/26	1419	2949916	7
Magnesium		56.7	0.100	0.300	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		761	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		38.0	0.725	2.00	mg/L			IS2	02/27/26	1348	2953576	9
Bicarbonate alkalinity (CaCO3)		38.0	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-45 Project: GPCC01324
Sample ID: 765174012 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	
9	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-PZ-74I
Sample ID: 765174013
Matrix: WG
Collect Date: 19-FEB-26 15:15
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		0.109	0.0330	0.100	mg/L		1	TXT1	02/23/26	1755	2950300	1
Chloride		14.3	0.268	0.800	mg/L		4	TXT1	02/24/26	0110	2950300	2
Sulfate		230	2.66	8.00	mg/L		20	TXT1	02/24/26	0127	2950300	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1237	2950070	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1911	2949916	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0204	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0428	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00849	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		3.09	0.0800	0.300	mg/L	1.00	1					
Selenium		0.0790	0.00150	0.00500	mg/L	1.00	1					
Sodium		26.6	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1447	2949916	6
Magnesium		34.8	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00215	0.00100	0.00500	mg/L	1.00	1					
Boron		1.18	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1420	2949916	7
Calcium		62.5	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		450	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		48.5	0.725	2.00	mg/L			IS2	02/27/26	1350	2953576	9
Bicarbonate alkalinity (CaCO3)		48.5	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-PZ-74I
Sample ID: 765174013
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	
9	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-PZ-75I
Sample ID: 765174014
Matrix: WG
Collect Date: 19-FEB-26 15:20
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		6.42	0.0670	0.200	mg/L		1	TXT1	02/23/26	1812	2950300	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		258	2.66	8.00	mg/L		20	TXT1	02/24/26	0219	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1238	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1914	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0273	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0784	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00465	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		3.72	0.0800	0.300	mg/L	1.00	1					
Selenium		0.137	0.00150	0.00500	mg/L	1.00	1					
Sodium		28.3	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1448	2949916	5
Magnesium		38.5	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.00568	0.00100	0.00500	mg/L	1.00	1					
Boron		1.28	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1422	2949916	6
Calcium		52.5	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		464	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		36.4	0.725	2.00	mg/L			IS2	02/27/26	1353	2953576	8
Bicarbonate alkalinity (CaCO3)		36.4	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-PZ-75I
Sample ID: 765174014
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-44
Sample ID: 765174015
Matrix: WG
Collect Date: 19-FEB-26 16:34
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		6.80	0.0670	0.200	mg/L		1	TXT1	02/23/26	1922	2950300	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		43.0	0.665	2.00	mg/L		5	TXT1	02/24/26	0237	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1243	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1917	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0531	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	J	0.0400	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00546	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.75	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		12.9	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1450	2949916	5
Calcium		25.8	0.0800	0.200	mg/L	1.00	1					
Magnesium		10.9	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.474	0.00100	0.00500	mg/L	1.00	1					
Boron		0.966	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1423	2949916	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		169	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		75.0	0.725	2.00	mg/L			IS2	02/27/26	1355	2953576	8
Bicarbonate alkalinity (CaCO3)		75.0	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-44 Project: GPCC01324
Sample ID: 765174015 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FB-02
Sample ID: 765174016
Matrix: WQ
Collect Date: 19-FEB-26 16:50
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	U	ND	0.0670	0.200	mg/L		1	TXT1	02/23/26	1254	2950300	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	02/26/26	0920	2951631	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1920	2949916	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					
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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	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					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1357	2949916	4
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	U	ND	0.725	2.00	mg/L			IS2	02/27/26	1357	2953576	6
Bicarbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-FB-02 Project: GPCC01324
Sample ID: 765174016 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/25/26	1330	2951629
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
6	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWC-25I
Sample ID: 765174017
Matrix: WG
Collect Date: 19-FEB-26 16:00
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		7.39	0.0670	0.200	mg/L		1	TXT1	02/23/26	2014	2950300	1
Fluoride		0.261	0.0330	0.100	mg/L		1					
Sulfate		131	1.33	4.00	mg/L		10	TXT1	02/24/26	0329	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/24/26	1245	2950070	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1923	2949916	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0224	0.000670	0.00400	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		0.00236	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	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		0.00115	0.000200	0.00100	mg/L	1.00	1					
Potassium		4.30	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		22.2	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1451	2949916	5
Magnesium		20.8	0.0100	0.0300	mg/L	1.00	1					
Boron		1.48	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1424	2949916	6
Calcium		59.7	0.800	2.00	mg/L	1.00	10					
Manganese		1.58	0.0100	0.0500	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		338	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	7
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		122	0.725	2.00	mg/L			IS2	02/27/26	1358	2953576	8
Bicarbonate alkalinity (CaCO3)		122	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID:	BRA-BRGWC-25I	Project:	GPCC01324
Sample ID:	765174017	Client ID:	GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069

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	
8	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID:	BRA-APBCD-EB-05	Project:	GPCC01324
Sample ID:	765174018	Client ID:	GPCC002
Matrix:	WQ		
Collect Date:	19-FEB-26 16:35		
Receive Date:	20-FEB-26		
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	02/23/26	1312	2950300	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	02/24/26	1247	2950070	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	1926	2949916	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					
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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron	U	ND	0.0330	0.100	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					
Potassium	U	ND	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium	U	ND	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1358	2949916	4
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Magnesium	U	ND	0.0100	0.0300	mg/L	1.00	1					
Manganese	U	ND	0.00100	0.00500	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	5
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	U	ND	0.725	2.00	mg/L			IS2	02/27/26	1401	2953576	6
Bicarbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

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Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-APBCD-EB-05 Project: GPCC01324
Sample ID: 765174018 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/23/26	1125	2950069
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949915

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	
6	SM 2320B	

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: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWA-23S
Sample ID: 765174019
Matrix: WG
Collect Date: 19-FEB-26 09:50
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.04	0.0670	0.200	mg/L		1	TXT1	02/23/26	2031	2950300	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		21.7	0.266	0.800	mg/L		2	TXT1	02/24/26	0346	2950300	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/26/26	0922	2951631	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	02/26/26	2024	2950403	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0492	0.000670	0.00400	mg/L	1.00	1					
Boron		0.0309	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		7.28	0.0800	0.200	mg/L	1.00	1					
Chromium	J	0.00529	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.234	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0110	0.00300	0.0100	mg/L	1.00	1					
Magnesium		3.80	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.00662	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000512	0.000200	0.00100	mg/L	1.00	1					
Potassium		2.60	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Sodium		9.57	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	BAJ	02/27/26	1527	2950403	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		99.0	2.38	10.0	mg/L			SC1	02/26/26	1307	2951703	6
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		27.1	0.806	2.22	mg/L			IS2	02/27/26	1402	2953576	7
Bicarbonate alkalinity (CaCO3)		27.1	0.806	2.22	mg/L							

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

Certificate of Analysis

Report Date: March 13, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- BCD

Client Sample ID: BRA-BRGWA-23S
Sample ID: 765174019
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.806	2.22	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/24/26	0745	2950402
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/25/26	1330	2951629

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	
7	SM 2320B	

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

QC Summary

Report Date: March 13, 2026

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

Contact: **Chris Tidwell**

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2950300										
QC1206387728 765174001 DUP										
Chloride		9.30		9.36	mg/L	0.711		(0%-20%)	TXT1	02/23/26 13:47
Fluoride		0.167		0.163	mg/L	2.61	^	(+/-0.100)		
Sulfate		451		451	mg/L	0.0433		(0%-20%)		02/23/26 21:06
QC1206387730 765174015 DUP										
Chloride		6.80		6.79	mg/L	0.0338		(0%-20%)		02/23/26 19:39
Fluoride	U	ND	U	ND	mg/L	N/A				
Sulfate		43.0		43.0	mg/L	0.0139		(0%-20%)		02/24/26 02:54
QC1206387727 LCS										
Chloride	5.00			4.54	mg/L		90.8	(90%-110%)		02/23/26 12:02
Fluoride	2.50			2.36	mg/L		94.4	(90%-110%)		
Sulfate	10.0			9.30	mg/L		93	(90%-110%)		
QC1206387726 MB										
Chloride			U	ND	mg/L					02/23/26 11:45
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **765174**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2950300											
QC1206387729 765174001 MS											
Chloride	5.00		9.30		14.8	mg/L		109	(90%-110%)	TXT1	02/23/26 14:04
Fluoride	2.50		0.167		2.46	mg/L		91.8	(90%-110%)		
Sulfate	500		451		951	mg/L		100	(90%-110%)		02/23/26 21:24
QC1206387731 765174015 MS											
Chloride	5.00		6.80		12.2	mg/L		108	(90%-110%)		02/23/26 19:57
Fluoride	2.50	U	ND		2.42	mg/L		96.9	(90%-110%)		
Sulfate	50.0		43.0		94.3	mg/L		102	(90%-110%)		02/24/26 03:11
Metals Analysis - ICPMS											
Batch 2949916											
QC1206387036 LCS											
Antimony	0.0500				0.0490	mg/L		97.9	(80%-120%)	BAJ	02/26/26 18:10
Arsenic	0.0500				0.0504	mg/L		101	(80%-120%)		
Barium	0.0500				0.0492	mg/L		98.4	(80%-120%)		
Beryllium	0.0500				0.0583	mg/L		117	(80%-120%)		02/27/26 13:54
Boron	0.100				0.111	mg/L		111	(80%-120%)		
Cadmium	0.0500				0.0514	mg/L		103	(80%-120%)		02/26/26 18:10
Calcium	2.00				2.20	mg/L		110	(80%-120%)		02/27/26 13:54

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949916										
Chromium	0.0500			0.0496	mg/L		99.1	(80%-120%)	BAJ	02/26/26 18:10
Cobalt	0.0500			0.0484	mg/L		96.8	(80%-120%)		
Iron	2.00			2.03	mg/L		101	(80%-120%)		
Lead	0.0500			0.0512	mg/L		102	(80%-120%)		
Lithium	0.0500			0.0583	mg/L		117	(80%-120%)		
Magnesium	2.00			2.17	mg/L		109	(80%-120%)		02/27/26 13:54
Manganese	0.0500			0.0517	mg/L		103	(80%-120%)		
Molybdenum	0.0500			0.0516	mg/L		103	(80%-120%)		02/26/26 18:10
Potassium	2.00			2.09	mg/L		104	(80%-120%)		
Selenium	0.0500			0.0494	mg/L		98.8	(80%-120%)		
Sodium	2.00			2.20	mg/L		110	(80%-120%)		
Thallium	0.0500			0.0495	mg/L		98.9	(80%-120%)		
QC1206387035 MB										
Antimony			U	ND	mg/L					02/26/26 18:07
Arsenic			U	ND	mg/L					

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949916										
Barium			U	ND	mg/L				BAJ	02/26/26 18:07
Beryllium			U	ND	mg/L					02/27/26 13:52
Boron			U	ND	mg/L					
Cadmium			U	ND	mg/L					02/26/26 18:07
Calcium			U	ND	mg/L					02/27/26 13:52
Chromium			U	ND	mg/L					02/26/26 18:07
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					02/27/26 13:52
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					02/26/26 18:07
Potassium			U	ND	mg/L					

QC Summary

Workorder: **765174**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949916											
Selenium				U	ND	mg/L				BAJ	02/26/26 18:07
Sodium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206387037 765174001 MS											
Antimony	0.0500	U	ND		0.0505	mg/L		101	(75%-125%)		02/26/26 18:16
Arsenic	0.0500	U	ND		0.0541	mg/L		105	(75%-125%)		
Barium	0.0500		0.0209		0.0703	mg/L		98.9	(75%-125%)		
Beryllium	0.0500	U	ND		0.0578	mg/L		115	(75%-125%)		02/27/26 14:29
Boron	0.100		0.598		0.729	mg/L		N/A	(75%-125%)		02/27/26 14:03
Cadmium	0.0500	J	0.000351		0.0508	mg/L		101	(75%-125%)		02/26/26 18:16
Calcium	2.00		88.9		96.4	mg/L		N/A	(75%-125%)		02/27/26 14:03
Chromium	0.0500	U	ND		0.0489	mg/L		97.4	(75%-125%)		02/26/26 18:16
Cobalt	0.0500		0.0433		0.0908	mg/L		94.9	(75%-125%)		
Iron	2.00		0.523		2.50	mg/L		98.9	(75%-125%)		
Lead	0.0500	U	ND		0.0504	mg/L		101	(75%-125%)		

QC Summary

Workorder: **765174**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949916											
Lithium	0.0500	J	0.00776		0.0688	mg/L		122	(75%-125%)	BAJ	02/26/26 18:16
Magnesium	2.00		58.7		64.3	mg/L		N/A	(75%-125%)		02/27/26 14:03
Manganese	0.0500		9.92		10.6	mg/L		N/A	(75%-125%)		02/27/26 14:57
Molybdenum	0.0500	J	0.000864		0.0552	mg/L		109	(75%-125%)		02/26/26 18:16
Potassium	2.00		9.27		11.4	mg/L		N/A	(75%-125%)		
Selenium	0.0500	U	ND		0.0531	mg/L		105	(75%-125%)		
Sodium	2.00		22.9		25.6	mg/L		N/A	(75%-125%)		
Thallium	0.0500	U	ND		0.0490	mg/L		98	(75%-125%)		
QC1206387038 765174001 MSD											
Antimony	0.0500	U	ND		0.0509	mg/L	0.959	102	(0%-20%)		02/26/26 18:19
Arsenic	0.0500	U	ND		0.0522	mg/L	3.59	102	(0%-20%)		
Barium	0.0500		0.0209		0.0719	mg/L	2.2	102	(0%-20%)		
Beryllium	0.0500	U	ND		0.0574	mg/L	0.825	114	(0%-20%)		02/27/26 14:30
Boron	0.100		0.598		0.708	mg/L	2.95	N/A	(0%-20%)		02/27/26 14:05
Cadmium	0.0500	J	0.000351		0.0525	mg/L	3.24	104	(0%-20%)		02/26/26 18:19

QC Summary

Workorder: **765174**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949916											
Calcium	2.00		88.9		93.6	mg/L	2.9	N/A	(0%-20%)	BAJ	02/27/26 14:05
Chromium	0.0500	U	ND		0.0482	mg/L	1.47	96	(0%-20%)		02/26/26 18:19
Cobalt	0.0500		0.0433		0.0904	mg/L	0.432	94.1	(0%-20%)		
Iron	2.00		0.523		2.51	mg/L	0.232	99.2	(0%-20%)		
Lead	0.0500	U	ND		0.0486	mg/L	3.65	97.1	(0%-20%)		
Lithium	0.0500	J	0.00776		0.0658	mg/L	4.38	116	(0%-20%)		
Magnesium	2.00		58.7		62.2	mg/L	3.37	N/A	(0%-20%)		02/27/26 14:05
Manganese	0.0500		9.92		10.5	mg/L	1.33	N/A	(0%-20%)		02/27/26 14:59
Molybdenum	0.0500	J	0.000864		0.0562	mg/L	1.88	111	(0%-20%)		02/26/26 18:19
Potassium	2.00		9.27		11.6	mg/L	1.58	N/A	(0%-20%)		
Selenium	0.0500	U	ND		0.0526	mg/L	0.971	104	(0%-20%)		
Sodium	2.00		22.9		26.1	mg/L	2.11	N/A	(0%-20%)		
Thallium	0.0500	U	ND		0.0480	mg/L	2.09	95.9	(0%-20%)		
QC1206387040 765174001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/26/26 18:24

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949916										
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)	BAJ	02/26/26 18:24
Barium		20.9		4.33	ug/L	3.65		(0%-20%)		
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/27/26 14:33
Boron		59.8	J	11.9	ug/L	.408		(0%-20%)		02/27/26 14:06
Cadmium	J	0.351	U	ND	ug/L	N/A		(0%-20%)		02/26/26 18:24
Calcium		8890		1790	ug/L	.691		(0%-20%)		02/27/26 14:06
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/26/26 18:24
Cobalt		43.3		9.09	ug/L	4.87		(0%-20%)		
Iron		523		112	ug/L	7.15		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	J	7.76	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		5870		1180	ug/L	.509		(0%-20%)		02/27/26 14:06
Manganese		198		40.9	ug/L	3.03		(0%-20%)		02/27/26 15:00
Molybdenum	J	0.864	J	0.212	ug/L	22.7		(0%-20%)		02/26/26 18:24

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949916										
Potassium		9270		1770	ug/L	4.36		(0%-20%)	BAJ	02/26/26 18:24
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		22900		4520	ug/L	1.39		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Batch 2950403										
QC1206387936 LCS										
Antimony	0.0500			0.0488	mg/L		97.7	(80%-120%)	BAJ	02/26/26 20:21
Arsenic	0.0500			0.0511	mg/L		102	(80%-120%)		
Barium	0.0500			0.0495	mg/L		99	(80%-120%)		
Beryllium	0.0500			0.0583	mg/L		117	(80%-120%)		02/27/26 15:26
Boron	0.100			0.120	mg/L		120	(80%-120%)		02/26/26 20:21
Cadmium	0.0500			0.0514	mg/L		103	(80%-120%)		
Calcium	2.00			2.07	mg/L		103	(80%-120%)		
Chromium	0.0500			0.0501	mg/L		100	(80%-120%)		
Cobalt	0.0500			0.0491	mg/L		98.2	(80%-120%)		
Iron	2.00			2.04	mg/L		102	(80%-120%)		

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2950403										
Lead	0.0500			0.0511	mg/L		102	(80%-120%)	BAJ	02/26/26 20:21
Lithium	0.0500			0.0593	mg/L		119	(80%-120%)		
Magnesium	2.00			2.15	mg/L		108	(80%-120%)		
Manganese	0.0500			0.0503	mg/L		101	(80%-120%)		
Molybdenum	0.0500			0.0508	mg/L		102	(80%-120%)		
Potassium	2.00			2.10	mg/L		105	(80%-120%)		
Selenium	0.0500			0.0508	mg/L		102	(80%-120%)		
Sodium	2.00			2.18	mg/L		109	(80%-120%)		
Thallium	0.0500			0.0503	mg/L		101	(80%-120%)		
QC1206387935 MB										
Antimony			U	ND	mg/L					02/26/26 20:19
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					02/27/26 15:25
Boron			U	ND	mg/L					02/26/26 20:19

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2950403										
Cadmium			U	ND	mg/L				BAJ	02/26/26 20:19
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Potassium			U	ND	mg/L					
Selenium			U	ND	mg/L					
Sodium			U	ND	mg/L					
Thallium			U	ND	mg/L					

QC Summary

Workorder: **765174**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2950403											
QC1206387937 765174019 MS											
Antimony	0.0500	U	ND		0.0500	mg/L		99.5	(75%-125%)	BAJ	02/26/26 20:27
Arsenic	0.0500	U	ND		0.0506	mg/L		99.1	(75%-125%)		
Barium	0.0500		0.0492		0.101	mg/L		104	(75%-125%)		
Beryllium	0.0500	U	ND		0.0588	mg/L		117	(75%-125%)		02/27/26 15:28
Boron	0.100		0.0309		0.143	mg/L		112	(75%-125%)		02/26/26 20:27
Cadmium	0.0500	U	ND		0.0513	mg/L		103	(75%-125%)		
Calcium	2.00		7.28		9.36	mg/L		104	(75%-125%)		
Chromium	0.0500	J	0.00529		0.0545	mg/L		98.4	(75%-125%)		
Cobalt	0.0500	U	ND		0.0479	mg/L		95.5	(75%-125%)		
Iron	2.00		0.234		2.21	mg/L		98.6	(75%-125%)		
Lead	0.0500	U	ND		0.0514	mg/L		102	(75%-125%)		
Lithium	0.0500		0.0110		0.0704	mg/L		119	(75%-125%)		
Magnesium	2.00		3.80		5.94	mg/L		107	(75%-125%)		
Manganese	0.0500		0.00662		0.0563	mg/L		99.4	(75%-125%)		

QC Summary

Workorder: **765174**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2950403											
Molybdenum	0.0500	J	0.000512		0.0520	mg/L		103	(75%-125%)	BAJ	02/26/26 20:27
Potassium	2.00		2.60		4.67	mg/L		103	(75%-125%)		
Selenium	0.0500	U	ND		0.0503	mg/L		99.6	(75%-125%)		
Sodium	2.00		9.57		11.8	mg/L		N/A	(75%-125%)		
Thallium	0.0500	U	ND		0.0493	mg/L		98.7	(75%-125%)		
QC1206387938 765174019 MSD											
Antimony	0.0500	U	ND		0.0508	mg/L	1.59	101	(0%-20%)		02/26/26 20:30
Arsenic	0.0500	U	ND		0.0507	mg/L	0.229	99.4	(0%-20%)		
Barium	0.0500		0.0492		0.100	mg/L	0.902	102	(0%-20%)		
Beryllium	0.0500	U	ND		0.0582	mg/L	1.05	116	(0%-20%)		02/27/26 15:29
Boron	0.100		0.0309		0.142	mg/L	0.652	111	(0%-20%)		02/26/26 20:30
Cadmium	0.0500	U	ND		0.0518	mg/L	0.856	103	(0%-20%)		
Calcium	2.00		7.28		9.27	mg/L	0.989	99.3	(0%-20%)		
Chromium	0.0500	J	0.00529		0.0536	mg/L	1.72	96.6	(0%-20%)		
Cobalt	0.0500	U	ND		0.0477	mg/L	0.385	95.2	(0%-20%)		

QC Summary

Workorder: **765174**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2950403											
Iron	2.00		0.234		2.18	mg/L	1.19	97.3	(0%-20%)	BAJ	02/26/26 20:30
Lead	0.0500	U	ND		0.0502	mg/L	2.37	100	(0%-20%)		
Lithium	0.0500		0.0110		0.0703	mg/L	0.173	119	(0%-20%)		
Magnesium	2.00		3.80		5.96	mg/L	0.346	108	(0%-20%)		
Manganese	0.0500		0.00662		0.0553	mg/L	1.88	97.3	(0%-20%)		
Molybdenum	0.0500	J	0.000512		0.0539	mg/L	3.73	107	(0%-20%)		
Potassium	2.00		2.60		4.66	mg/L	0.242	103	(0%-20%)		
Selenium	0.0500	U	ND		0.0495	mg/L	1.57	98.1	(0%-20%)		
Sodium	2.00		9.57		11.7	mg/L	0.235	N/A	(0%-20%)		
Thallium	0.0500	U	ND		0.0489	mg/L	0.904	97.8	(0%-20%)		
QC1206387940 765174019 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/26/26 20:36
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			49.2		10.3	ug/L	4.75		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/27/26 15:32

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2950403										
Boron		30.9	J	7.49	ug/L	21.1		(0%-20%)	BAJ	02/26/26 20:36
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Calcium		7280		1490	ug/L	2.48		(0%-20%)		
Chromium	J	5.29	U	ND	ug/L	N/A		(0%-20%)		
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Iron		234	J	50.0	ug/L	6.6		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium		11.0	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		3800		753	ug/L	.943		(0%-20%)		
Manganese		6.62	J	1.47	ug/L	10.8		(0%-20%)		
Molybdenum	J	0.512	U	ND	ug/L	N/A		(0%-20%)		
Potassium		2600		522	ug/L	.241		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		9570		1860	ug/L	2.99		(0%-20%)		

QC Summary

Workorder: **765174**

Parmname			NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS													
Batch 2950403													
Thallium				U	ND	U	ND	ug/L	N/A		(0%-20%)	BAJ	02/26/26 20:36
Metals Analysis-Mercury													
Batch 2950070													
QC1206387282	765174001	DUP											
Mercury				U	ND	U	ND	mg/L	N/A			JP2	02/24/26 12:10
QC1206387281	LCS												
Mercury			0.00200				0.00202	mg/L		101	(80%-120%)		02/24/26 12:07
QC1206387280	MB												
Mercury						U	ND	mg/L					02/24/26 12:05
QC1206387283	765174001	MS											
Mercury			0.00200	U	ND		0.00122	mg/L		61.1*	(75%-125%)		02/24/26 12:12
QC1206387284	765174001	PS											
Mercury			2.00	U	ND		1.26	ug/L		63.2*	(80%-120%)		02/24/26 12:13
Batch 2951631													
QC1206389881	LCS												
Mercury			0.00200				0.00205	mg/L		102	(80%-120%)	JP2	02/26/26 09:19
QC1206389880	MB												
Mercury						U	ND	mg/L					02/26/26 09:15
QC1206389885	765456001	MS											
Mercury			0.00200	U	ND		0.00199	mg/L		99.7	(75%-125%)		02/26/26 09:42
QC1206389886	765456001	MSD											
Mercury			0.00200	U	ND		0.00198	mg/L	0.604	99.1	(0%-20%)		02/26/26 09:44

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Solids Analysis											
Batch 2951697											
QC1206390009 764962002 DUP											
Total Dissolved Solids		11.0		16.0	mg/L	37	^		(+/-10.0)	SC1	02/25/26 14:12
QC1206390008 LCS											
Total Dissolved Solids	300			302	mg/L			101	(95%-105%)		02/25/26 14:12
QC1206390007 MB											
Total Dissolved Solids			U	ND	mg/L						02/25/26 14:12
Batch 2951701											
QC1206390026 765019017 DUP											
Total Dissolved Solids		1090		1080	mg/L	0.828			(0%-5%)	SC1	02/25/26 17:04
QC1206390025 LCS											
Total Dissolved Solids	300			297	mg/L			99	(95%-105%)		02/25/26 17:04
QC1206390024 MB											
Total Dissolved Solids			U	ND	mg/L						02/25/26 17:04
Batch 2951703											
QC1206390030 765058008 DUP											
Total Dissolved Solids		258		259	mg/L	0.387			(0%-5%)	SC1	02/26/26 13:07
QC1206390029 LCS											
Total Dissolved Solids	300			299	mg/L			99.7	(95%-105%)		02/26/26 13:07
QC1206390028 MB											
Total Dissolved Solids			U	ND	mg/L						02/26/26 13:07
Titration and Ion Analysis											
Batch 2953160											
QC1206392413 765187003 DUP											
Alkalinity, Total as CaCO3		37.3		37.1	mg/L	0.597			(0%-20%)	IS2	02/27/26 09:57

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Titration and Ion Analysis										
Batch 2953160										
Bicarbonate alkalinity (CaCO3)		37.3		37.1	mg/L	0.597		(0%-20%)	IS2	02/27/26 09:57
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206392410 LCS										
Alkalinity, Total as CaCO3	15.0			13.9	mg/L		92.7	(90%-110%)		02/27/26 09:33
QC1206392415 LCS										
Alkalinity, Total as CaCO3	50.0			52.9	mg/L		106	(90%-110%)		02/27/26 09:34
QC1206392414 765187003 MS										
Alkalinity, Total as CaCO3	55.6	37.3		94.4	mg/L		103	(80%-120%)		02/27/26 09:58
Batch 2953576										
QC1206393186 765174007 DUP										
Alkalinity, Total as CaCO3		67.6		67.3	mg/L	0.329		(0%-20%)	IS2	02/27/26 13:36
Bicarbonate alkalinity (CaCO3)		67.6		67.3	mg/L	0.329		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206393188 765174019 DUP										
Alkalinity, Total as CaCO3		27.1		27.6	mg/L	1.63		(0%-20%)		02/27/26 14:03
Bicarbonate alkalinity (CaCO3)		27.1		27.6	mg/L	1.63		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206393185 LCS										
Alkalinity, Total as CaCO3	15.0			13.9	mg/L		92.7	(90%-110%)		02/27/26 13:32

QC Summary

Workorder: **765174**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Titration and Ion Analysis										
Batch 2953576										
QC1206393190 LCS										
Alkalinity, Total as CaCO3	50.0			52.8	mg/L		106	(90%-110%)	IS2	02/27/26 13:33
QC1206393187 765174007 MS										
Alkalinity, Total as CaCO3	55.6	67.6		117	mg/L		88.4	(80%-120%)		02/27/26 13:38
QC1206393189 765174019 MS										
Alkalinity, Total as CaCO3	55.6	27.1		85.6	mg/L		105	(80%-120%)		02/27/26 14:04

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

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: 2949916

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2949915

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

GEL Sample ID#	Client Sample Identification
765174001	BRA-PZ-63I
765174002	BRA-BRGWC-30I
765174003	BRA-APBCD-EB-04
765174004	BRA-APBCD-FD-01
765174005	BRA-BRGWC-29I
765174006	BRA-BRGWC-32S
765174007	BRA-BRGWC-52I
765174008	BRA-BRGWC-27I
765174009	BRA-APBCD-FD-02
765174010	BRA-APBCD-FB-01
765174011	BRA-BRGWC-47
765174012	BRA-BRGWC-45
765174013	BRA-PZ-74I
765174014	BRA-PZ-75I
765174015	BRA-BRGWC-44
765174016	BRA-APBCD-FB-02
765174017	BRA-BRGWC-25I
765174018	BRA-APBCD-EB-05
1206387035	Method Blank (MB)**ICP-MS Batch 2949916**
1206387036	Laboratory Control Sample (LCS)
1206387040	765174001(BRA-PZ-63IL) Serial Dilution (SD)
1206387037	765174001(BRA-PZ-63IS) Matrix Spike (MS)
1206387038	765174001(BRA-PZ-63ISD) 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 765174001 (BRA-PZ-63I), 765174002 (BRA-BRGWC-30I), 765174004 (BRA-APBCD-FD-01), 765174005 (BRA-BRGWC-29I), 765174006 (BRA-BRGWC-32S), 765174007 (BRA-BRGWC-52I), 765174008 (BRA-BRGWC-27I), 765174009 (BRA-APBCD-FD-02), 765174011 (BRA-BRGWC-47), 765174012 (BRA-BRGWC-45), 765174013 (BRA-PZ-74I), 765174014 (BRA-PZ-75I), 765174015 (BRA-BRGWC-44) and 765174017 (BRA-BRGWC-25I) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	765174									
	001	**002**	**004**	**005**	**006**	**007**	**008**	**009**	**011**	**012**
Boron	10X	20X	10X	10X	10X	20X	10X	20X	10X	
Calcium	10X	20X	10X	10X			10X		10X	10X
Magnesium	10X	20X							10X	10X
Manganese	50X	20X	10X	10X						

Analyte	765174			
	013	**014**	**015**	**017**
Boron	10X	10X	10X	10X
Calcium	10X	10X		10X
Manganese				10X

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2950403

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2950402

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

GEL Sample ID#	Client Sample Identification
765174019	BRA-BRGWA-23S
1206387935	Method Blank (MB)**ICP-MS Batch 2950403**
1206387936	Laboratory Control Sample (LCS)
1206387940	765174019(BRA-BRGWA-23SL) Serial Dilution (SD)
1206387937	765174019(BRA-BRGWA-23SS) Matrix Spike (MS)
1206387938	765174019(BRA-BRGWA-23SSD) 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: 2950070

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2950069

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

GEL Sample ID#	Client Sample Identification
765174001	BRA-PZ-63I
765174002	BRA-BRGWC-30I
765174003	BRA-APBCD-EB-04
765174004	BRA-APBCD-FD-01
765174005	BRA-BRGWC-29I
765174006	BRA-BRGWC-32S
765174007	BRA-BRGWC-52I
765174008	BRA-BRGWC-27I
765174009	BRA-APBCD-FD-02
765174010	BRA-APBCD-FB-01
765174011	BRA-BRGWC-47
765174012	BRA-BRGWC-45
765174013	BRA-PZ-74I
765174014	BRA-PZ-75I
765174015	BRA-BRGWC-44
765174017	BRA-BRGWC-25I
765174018	BRA-APBCD-EB-05
1206387280	Method Blank (MB)**CVAA Batch 2950070**
1206387281	Laboratory Control Sample (LCS)
1206387282	765174001(BRA-PZ-63ID) Sample Duplicate (DUP)
1206387283	765174001(BRA-PZ-63IS) Matrix Spike (MS)
1206387284	765174001(BRA-PZ-63IPS) 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
1206387283 (BRA-PZ-63IMS)	Mercury	61.1* (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
1206387284 (BRA-PZ-63IPS)	Mercury	63.2* (80%-120%)

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2951631

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2951629

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

GEL Sample ID#	Client Sample Identification
765174016	BRA-APBCD-FB-02
765174019	BRA-BRGWA-23S
1206389880	Method Blank (MB)**CVAA Batch 2951631**
1206389881	Laboratory Control Sample (LCS)
1206389885	765456001(NonSDGS) Matrix Spike (MS)
1206389886	765456001(NonSDGSD) Matrix Spike Duplicate (MSD)

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: 2950300

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

GEL Sample ID#	Client Sample Identification
765174001	BRA-PZ-63I
765174002	BRA-BRGWC-30I
765174003	BRA-APBCD-EB-04
765174004	BRA-APBCD-FD-01
765174005	BRA-BRGWC-29I
765174006	BRA-BRGWC-32S
765174007	BRA-BRGWC-52I
765174008	BRA-BRGWC-27I
765174009	BRA-APBCD-FD-02
765174010	BRA-APBCD-FB-01
765174011	BRA-BRGWC-47
765174012	BRA-BRGWC-45
765174013	BRA-PZ-74I
765174014	BRA-PZ-75I
765174015	BRA-BRGWC-44
765174016	BRA-APBCD-FB-02
765174017	BRA-BRGWC-25I
765174018	BRA-APBCD-EB-05
765174019	BRA-BRGWA-23S
1206387726	Method Blank (MB) **Batch 2950300**
1206387727	Laboratory Control Sample (LCS)
1206387728	765174001(BRA-PZ-63I) Sample Duplicate (DUP)
1206387729	765174001(BRA-PZ-63I) Matrix Spike (MS)
1206387730	765174015(BRA-BRGWC-44) Sample Duplicate (DUP)
1206387731	765174015(BRA-BRGWC-44) 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.

Calibration Information

Initial Calibration

Technical Information

Sample Dilutions
The following samples 1206387728 (BRA-PZ-63IDUP), 1206387729 (BRA-PZ-63IMS), 1206387730 (BRA-BRGWC-44DUP), 1206387731 (BRA-BRGWC-44MS), 765174001 (BRA-PZ-63I), 765174002 (BRA-BRGWC-30I), 765174004 (BRA-APBCD-FD-01), 765174005 (BRA-BRGWC-29I), 765174006 (BRA-BRGWC-32S), 765174007 (BRA-BRGWC-52I), 765174008 (BRA-BRGWC-27I), 765174009 (BRA-APBCD-FD-02), 765174011 (BRA-BRGWC-47), 765174012 (BRA-BRGWC-45), 765174013 (BRA-PZ-74I), 765174014 (BRA-PZ-75I), 765174015 (BRA-BRGWC-44), 765174017 (BRA-BRGWC-25I) and 765174019 (BRA-BRGWA-23S) 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	765174									
	001	**002**	**004**	**005**	**006**	**007**	**008**	**009**	**011**	**012**
Chloride	1X	1X	1X	1X	10X	1X	1X	1X	1X	5X
Sulfate	50X	100X	50X	25X	10X	10X	10X	10X	100X	40X

Analyte	765174				
	013	**014**	**015**	**017**	**019**
Chloride	4X	1X	1X	1X	1X
Sulfate	20X	20X	5X	10X	2X

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2951697

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

GEL Sample ID#	Client Sample Identification
765174001	BRA-PZ-63I
1206390007	Method Blank (MB) **Batch 2951697**
1206390008	Laboratory Control Sample (LCS)
1206390009	764962002(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.

Calibration Information

Initial Calibration

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2951701

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

GEL Sample ID#	Client Sample Identification
765174002	BRA-BRGWC-30I
765174003	BRA-APBCD-EB-04
765174004	BRA-APBCD-FD-01
765174005	BRA-BRGWC-29I

1206390024	Method Blank (MB) **Batch 2951701**
1206390025	Laboratory Control Sample (LCS)
1206390026	765019017(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.

Calibration Information

Initial Calibration

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. 765174005 (BRA-BRGWC-29I).

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2951703

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

GEL Sample ID#	Client Sample Identification
765174006	BRA-BRGWC-32S
765174007	BRA-BRGWC-52I
765174008	BRA-BRGWC-27I
765174009	BRA-APBCD-FD-02
765174010	BRA-APBCD-FB-01
765174011	BRA-BRGWC-47
765174012	BRA-BRGWC-45
765174013	BRA-PZ-74I
765174014	BRA-PZ-75I
765174015	BRA-BRGWC-44
765174016	BRA-APBCD-FB-02
765174017	BRA-BRGWC-25I
765174018	BRA-APBCD-EB-05
765174019	BRA-BRGWA-23S
1206390028	Method Blank (MB) **Batch 2951703**
1206390029	Laboratory Control Sample (LCS)
1206390030	765058008(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.

Calibration Information

Initial Calibration

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2953160

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

GEL Sample ID#	Client Sample Identification
765174001	BRA-PZ-63I
765174002	BRA-BRGWC-30I
765174003	BRA-APBCD-EB-04
765174004	BRA-APBCD-FD-01
765174005	BRA-BRGWC-29I
765174006	BRA-BRGWC-32S
1206392410	Laboratory Control Sample (LCS) **Batch 2953160**
1206392413	765187003(BRA-BRGWA-2S) Sample Duplicate (DUP)
1206392414	765187003(BRA-BRGWA-2S) Matrix Spike (MS)
1206392415	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.

Calibration Information

Initial Calibration

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206392413 (BRA-BRGWA-2SDUP) and 1206392414 (BRA-BRGWA-2SMS).

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2953576

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

GEL Sample ID#	Client Sample Identification
765174007	BRA-BRGWC-52I
765174008	BRA-BRGWC-27I
765174009	BRA-APBCD-FD-02
765174010	BRA-APBCD-FB-01
765174011	BRA-BRGWC-47
765174012	BRA-BRGWC-45
765174013	BRA-PZ-74I
765174014	BRA-PZ-75I
765174015	BRA-BRGWC-44
765174016	BRA-APBCD-FB-02
765174017	BRA-BRGWC-25I
765174018	BRA-APBCD-EB-05
765174019	BRA-BRGWA-23S
1206393185	Laboratory Control Sample (LCS) **Batch 2953576**
1206393186	765174007(BRA-BRGWC-52I) Sample Duplicate (DUP)
1206393187	765174007(BRA-BRGWC-52I) Matrix Spike (MS)
1206393188	765174019(BRA-BRGWA-23S) Sample Duplicate (DUP)
1206393189	765174019(BRA-BRGWA-23S) Matrix Spike (MS)
1206393190	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.

Calibration Information

Initial Calibration

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206393186 (BRA-BRGWC-52IDUP), 1206393187 (BRA-BRGWC-52IMS), 1206393188 (BRA-BRGWA-23SDUP), 1206393189 (BRA-BRGWA-23SMS), 765174007 (BRA-BRGWC-52I) and 765174019 (BRA-BRGWA-23S).

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
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

765174 / 765182 Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

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 - BCD
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: JB, DJ, 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	Total, Carb. & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)
BRA-PZ-63I	02/18/26	1650	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-30I	02/19/26	1015	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-EB-04	02/19/26	1040	G	N	WQ			5	✓	✓	✓	✓	
BRA-APBCD-FD-01	02/19/26	—	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-29I	02/19/26	1050	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-32S	02/19/26	1140	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-52I	02/19/26	1205	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-27I	02/19/26	1255	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-FD-02	02/19/26	—	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-FB-01	02/19/26	1310	G	N	WQ			5	✓	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	2/20/26	1443	[signature]	2/20/26	1443
2						
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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

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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
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Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

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 - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: SB, DS, CK ACC | Send Results To: SCS & Geosyntec Contacts

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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	Total, Carb. & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)	Comments
BRA- BRGWC-47	02/19/26	1250	G	N	WG			5	✓	✓	✓	✓		
BRA- BRGWC-45	02/19/26	1400	G	N	WG			5	✓	✓	✓	✓		
BRA- PZ-74I	02/19/26	1515	G	N	WG			5	✓	✓	✓	✓		
BRA- PZ-75I	02/19/26	1520	G	N	WG			5	✓	✓	✓	✓		
BRA- BRGWC-44	02/19/26	1634	G	N	WG			5	✓	✓	✓	✓		
BRA- APBCD-FB-02	02/19/26	1650	~~EB~~ FB	N	WQ ~~WG~~			5	✓	✓	✓	✓		
BRA- BRGWC-25I	02/19/26	1600	G	N	WG			5	✓	✓	✓	✓		
BRA- APBCD-EB-05	02/19/26	1635	G	N	WQ			5	✓	✓	✓	✓		
BRA- BRGWA-23S	02/19/26	0950	G	N	WG			3	✓	✓	✓			limited volume
BRA-														

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	2/20/26	1443		2/20/26	1443
2			2		
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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

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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

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Characteristic Hazards
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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: 765174 / 765182	GEL PM: AM
Received By: EG	Date Received at GEL: 2/20/26	

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

IR Temp gun # IR5-23 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).
1	8		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/23/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

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

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

765174 / 765182 **Chain of Custody and Analytical Request**

GEL Work Order Number: *GEL Project Manager: Abagail Martin*

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 - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: JB, DJ, 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	Total, Carb. & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470	Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
BRA-PZ-63I	02/18/26	1650	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-30I	02/19/26	1015	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-EB-04	02/19/26	1040	G	N	WQ			5	✓	✓	✓	✓	
BRA-APBCD-FD-01	02/19/26	—	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-29I	02/19/26	1050	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-32S	02/19/26	1140	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-52I	02/19/26	1205	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-27I	02/19/26	1255	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-FD-02	02/19/26	—	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-FB-01	02/19/26	1310	G	N	WQ			5	✓	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	2/20/26	1443	[signature]	2/20/26	1443
2						
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 5 °C

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

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

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FL = Flammable/Ignitable
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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:

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Page: 2 of 2
Project #
GEL Quote #:
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GEL Laboratories LLC
gel.com | Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

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BRA- PZ-75I	02/19/26	1520	G	N	WG			5	✓	✓	✓	✓	
BRA- BRGWC-44	02/19/26	1634	G	N	WG			5	✓	✓	✓	✓	
BRA- APBCD-FB-02	02/19/26	1650	~~EB~~ FB	N	~~WQ~~ WG			5	✓	✓	✓	✓	
BRA- BRGWC-25I	02/19/26	1600	G	N	WG			5	✓	✓	✓	✓	
BRA- APBCD-EB-05	02/19/26	1635	G	N	WQ			5	✓	✓	✓	✓	
BRA- BRGWA-23S	02/19/26	0950	G	N	WG			3	✓	✓	✓		limited volume
BRA-													

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

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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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °C

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

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

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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: 765174 / 765182	GEL PM: AM
Received By: EG	Date Received at GEL: 2/20/26	

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

IR Temp gun # IR5-23 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).
1	8		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/23/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 13 March 2026

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	2026-139
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	SC000122026-50
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

March 10, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Plant Branch Ash Ponds-BCD
Work Order: 765726

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 25, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was 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
765726001	BRA-PZ-68D	Ground Water	02/24/26 08:45	02/25/26 12:00

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

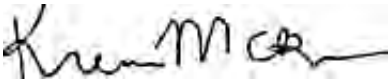
Method	Run Date ID
SW846 3005A	26-FEB-2026
SW846 7470A Prep	04-MAR-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	27-FEB-2026
SM 2320B	09-MAR-2026
SM 2540C	27-FEB-2026
SW846 3005A/6020B	03-MAR-2026
SW846 3005A/6020B	04-MAR-2026
SW846 7470A	05-MAR-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765726 GEL Work Order: 765726

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

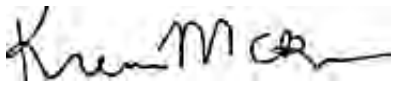
J Value is estimated

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, Abagail Martin.

Reviewed by 

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

Certificate of Analysis

Report Date: March 10, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds-BCD

Client Sample ID: BRA-PZ-68D
Sample ID: 765726001
Matrix: WG
Collect Date: 24-FEB-26 08:45
Receive Date: 25-FEB-26
Collector: Client

Project: GPCC01324
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		0.141	0.0330	0.100	mg/L		1	CWW	02/27/26	0058	2952905	1
Chloride		15.4	0.134	0.400	mg/L		2	CWW	02/27/26	2043	2952905	2
Sulfate		306	3.33	10.0	mg/L		25	CWW	02/27/26	2115	2952905	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	03/05/26	1129	2955764	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	03/03/26	0446	2952229	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0952	0.000670	0.00400	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	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		0.220	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00317	0.00300	0.0100	mg/L	1.00	1					
Magnesium		24.8	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.159	0.00100	0.00500	mg/L	1.00	1					
Molybdenum		0.00618	0.000200	0.00100	mg/L	1.00	1					
Potassium		13.6	0.0800	0.300	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		109	0.800	2.00	mg/L	1.00	10	RM4	03/03/26	0512	2952229	6
Sodium		63.2	0.800	2.50	mg/L	1.00	10					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	RM4	03/03/26	1534	2952229	7
Boron		0.375	0.0260	0.0750	mg/L	1.00	5	RM4	03/03/26	1536	2952229	8
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	03/04/26	0805	2952229	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		614	2.38	10.0	mg/L			SC1	02/27/26	1549	2952522	10
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		115	0.725	2.00	mg/L			IS2	03/09/26	1341	2958606	11
Bicarbonate alkalinity (CaCO3)		115	0.725	2.00	mg/L							

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: March 10, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds-BCD

Client Sample ID: BRA-PZ-68D
Sample ID: 765726001
Project: GPCC01324
Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	03/04/26	1425	2955762
SW846 3005A	ICP-MS 3005A PREP	ES3	02/26/26	0815	2952228

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SW846 3005A/6020B	
10	SM 2540C	
11	SM 2320B	

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

QC Summary

Report Date: March 10, 2026

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

Contact: **Chris Tidwell**

Workorder: **765726**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2952905										
QC1206392026 765724001 DUP										
Chloride		54.1		53.7	mg/L	0.777		(0%-20%)	CWW	02/27/26 09:59
Fluoride		0.117		0.105	mg/L	10.7	^	(+/-0.100)		02/26/26 17:32
Sulfate		1050		1050	mg/L	0.239		(0%-20%)		02/27/26 12:38
QC1206392028 765771001 DUP										
Chloride		6.81		6.80	mg/L	0.162		(0%-20%)		02/27/26 02:33
Fluoride		0.362		0.359	mg/L	0.777	^	(+/-0.100)		
Sulfate		198		198	mg/L	0.193		(0%-20%)		02/27/26 22:50
QC1206392025 LCS										
Chloride	5.00			4.72	mg/L		94.5	(90%-110%)		02/26/26 15:57
Fluoride	2.50			2.37	mg/L		94.6	(90%-110%)		
Sulfate	10.0			9.55	mg/L		95.5	(90%-110%)		
QC1206392024 MB										
Chloride			U	ND	mg/L					02/26/26 15:25
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **765726**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2952905										
QC1206392027 765724001 MS										
Chloride	50.0	54.1		106	mg/L		104	(90%-110%)	CWW	02/27/26 10:31
Fluoride	2.50	0.117		2.71	mg/L		104	(90%-110%)		02/26/26 18:04
Sulfate	1000	1050		2040	mg/L		99	(90%-110%)		02/27/26 13:10
QC1206392029 765771001 MS										
Chloride	5.00	6.81		11.9	mg/L		103	(90%-110%)		02/27/26 03:05
Fluoride	2.50	0.362		2.98	mg/L		105	(90%-110%)		
Sulfate	200	198		380	mg/L		90.7	(90%-110%)		02/27/26 23:22
Metals Analysis - ICPMS										
Batch 2952229										
QC1206390794 LCS										
Antimony	0.0500			0.0525	mg/L		105	(80%-120%)	RM4	03/03/26 04:22
Arsenic	0.0500			0.0553	mg/L		111	(80%-120%)		
Barium	0.0500			0.0544	mg/L		109	(80%-120%)		
Beryllium	0.0500			0.0513	mg/L		103	(80%-120%)		03/04/26 07:58
Boron	0.100			0.110	mg/L		110	(80%-120%)		03/03/26 15:26
Cadmium	0.0500			0.0556	mg/L		111	(80%-120%)		03/03/26 04:22
Calcium	2.00			2.30	mg/L		115	(80%-120%)		

QC Summary

Workorder: **765726**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952229										
Chromium	0.0500			0.0543	mg/L		109	(80%-120%)	RM4	03/03/26 04:22
Cobalt	0.0500			0.0545	mg/L		109	(80%-120%)		
Iron	2.00			2.22	mg/L		111	(80%-120%)		
Lead	0.0500			0.0543	mg/L		109	(80%-120%)		
Lithium	0.0500			0.0579	mg/L		116	(80%-120%)		
Magnesium	2.00			2.29	mg/L		114	(80%-120%)		
Manganese	0.0500			0.0547	mg/L		109	(80%-120%)		
Molybdenum	0.0500			0.0554	mg/L		111	(80%-120%)		
Potassium	2.00			2.22	mg/L		111	(80%-120%)		
Selenium	0.0500			0.0521	mg/L		104	(80%-120%)		03/03/26 15:26
Sodium	2.00			2.32	mg/L		116	(80%-120%)		03/03/26 04:22
Thallium	0.0500			0.0531	mg/L		106	(80%-120%)		
QC1206390793 MB										
Antimony			U	ND	mg/L					03/03/26 04:19
Arsenic			U	ND	mg/L					

QC Summary

Workorder: **765726**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952229										
Barium			U	ND	mg/L				RM4	03/03/26 04:19
Beryllium			U	ND	mg/L					03/04/26 07:57
Boron			U	ND	mg/L					03/03/26 15:24
Cadmium			U	ND	mg/L					03/03/26 04:19
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Potassium			U	ND	mg/L					

QC Summary

Workorder: **765726**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952229											
Selenium				U	ND	mg/L				RM4	03/03/26 15:24
Sodium				U	ND	mg/L					03/03/26 04:19
Thallium				U	ND	mg/L					
QC1206390795 765722001 MS											
Antimony	0.0500	U	ND		0.0530	mg/L		106	(75%-125%)		03/03/26 04:28
Arsenic	0.0500	U	ND		0.0567	mg/L		112	(75%-125%)		
Barium	0.0500		0.0301		0.0811	mg/L		102	(75%-125%)		
Beryllium	0.0500	U	ND		0.0544	mg/L		109	(75%-125%)		03/04/26 08:00
Boron	0.100		0.116		0.225	mg/L		109	(75%-125%)		03/03/26 15:28
Cadmium	0.0500	U	ND		0.0545	mg/L		109	(75%-125%)		03/03/26 04:28
Calcium	2.00		56.8		58.7	mg/L		N/A	(75%-125%)		03/03/26 04:52
Chromium	0.0500	U	ND		0.0535	mg/L		106	(75%-125%)		03/03/26 04:28
Cobalt	0.0500		0.00780		0.0596	mg/L		104	(75%-125%)		
Iron	2.00		0.926		3.09	mg/L		108	(75%-125%)		
Lead	0.0500	U	ND		0.0510	mg/L		102	(75%-125%)		

QC Summary

Workorder: **765726**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952229											
Lithium	0.0500	U	ND		0.0559	mg/L		111	(75%-125%)	RM4	03/03/26 04:28
Magnesium	2.00		44.0		45.9	mg/L		N/A	(75%-125%)		
Manganese	0.0500		7.12		7.14	mg/L		N/A	(75%-125%)		03/03/26 04:52
Molybdenum	0.0500	J	0.000395		0.0579	mg/L		115	(75%-125%)		03/03/26 04:28
Potassium	2.00		6.89		8.89	mg/L		99.8	(75%-125%)		
Selenium	0.0500	U	ND		0.0541	mg/L		107	(75%-125%)		03/03/26 15:28
Sodium	2.00		25.6		27.6	mg/L		N/A	(75%-125%)		03/03/26 04:28
Thallium	0.0500	U	ND		0.0502	mg/L		100	(75%-125%)		
QC1206390796 765722001 MSD											
Antimony	0.0500	U	ND		0.0545	mg/L	2.88	109	(0%-20%)		03/03/26 04:31
Arsenic	0.0500	U	ND		0.0585	mg/L	3.11	115	(0%-20%)		
Barium	0.0500		0.0301		0.0848	mg/L	4.48	109	(0%-20%)		
Beryllium	0.0500	U	ND		0.0549	mg/L	0.88	110	(0%-20%)		03/04/26 08:01
Boron	0.100		0.116		0.231	mg/L	2.52	115	(0%-20%)		03/03/26 15:30
Cadmium	0.0500	U	ND		0.0560	mg/L	2.71	112	(0%-20%)		03/03/26 04:31

QC Summary

Workorder: **765726**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952229											
Calcium	2.00		56.8		62.2	mg/L	5.79	N/A	(0%-20%)	RM4	03/03/26 04:56
Chromium	0.0500	U	ND		0.0551	mg/L	3.06	109	(0%-20%)		03/03/26 04:31
Cobalt	0.0500		0.00780		0.0606	mg/L	1.6	106	(0%-20%)		
Iron	2.00		0.926		3.22	mg/L	3.82	114	(0%-20%)		
Lead	0.0500	U	ND		0.0522	mg/L	2.38	104	(0%-20%)		
Lithium	0.0500	U	ND		0.0578	mg/L	3.24	114	(0%-20%)		
Magnesium	2.00		44.0		47.3	mg/L	3.07	N/A	(0%-20%)		
Manganese	0.0500		7.12		7.50	mg/L	4.88	N/A	(0%-20%)		03/03/26 04:56
Molybdenum	0.0500	J	0.000395		0.0597	mg/L	2.99	119	(0%-20%)		03/03/26 04:31
Potassium	2.00		6.89		9.24	mg/L	3.95	118	(0%-20%)		
Selenium	0.0500	U	ND		0.0571	mg/L	5.46	113	(0%-20%)		03/03/26 15:30
Sodium	2.00		25.6		28.3	mg/L	2.44	N/A	(0%-20%)		03/03/26 04:31
Thallium	0.0500	U	ND		0.0515	mg/L	2.4	103	(0%-20%)		
QC1206390798 765722001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37

QC Summary

Workorder: **765726**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952229										
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)	RM4	03/03/26 04:37
Barium		30.1		6.30	ug/L	4.58		(0%-20%)		
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		03/04/26 08:04
Boron		116		27.8	ug/L	19.7		(0%-20%)		03/03/26 15:33
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37
Calcium		56800		55300	ug/L	2.5		(0%-20%)		03/03/26 05:03
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37
Cobalt		7.80		1.55	ug/L	.551		(0%-20%)		
Iron		926		199	ug/L	7.56		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		44000		9130	ug/L	3.71		(0%-20%)		
Manganese		7120		6980	ug/L	1.85		(0%-20%)		03/03/26 05:03
Molybdenum	J	0.395	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37

QC Summary

Workorder: **765726**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS												
Batch 2952229												
Potassium			6890		1350	ug/L	1.79			(0%-20%)	RM4	03/03/26 04:37
Selenium		U	ND	U	ND	ug/L	N/A			(0%-20%)		03/03/26 15:33
Sodium			25600		5080	ug/L	.807			(0%-20%)		03/03/26 04:37
Thallium		U	ND	U	ND	ug/L	N/A			(0%-20%)		
Metals Analysis-Mercury												
Batch 2955764												
QC1206396668 766340001 DUP												
Mercury		J	0.000126	U	ND	mg/L	200	^			JP2	03/05/26 11:49
QC1206396664 LCS												
Mercury	0.00200				0.00195	mg/L			97.5	(80%-120%)		03/05/26 11:06
QC1206396663 MB												
Mercury				U	ND	mg/L						03/05/26 11:03
QC1206396669 766340001 MS												
Mercury	0.00200	J	0.000126		0.00196	mg/L			91.7	(75%-125%)		03/05/26 11:51
Solids Analysis												
Batch 2952522												
QC1206391354 765491014 DUP												
Total Dissolved Solids			355		366	mg/L	3.05			(0%-5%)	SC1	02/27/26 15:49
QC1206391353 LCS												
Total Dissolved Solids	300				294	mg/L			98	(95%-105%)		02/27/26 15:49
QC1206391352 MB												
Total Dissolved Solids				U	ND	mg/L						02/27/26 15:49

QC Summary

Workorder: **765726**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Titration and Ion Analysis											
Batch 2958606											
QC1206401752 766191001 DUP											
Alkalinity, Total as CaCO3		98.7		98.6	mg/L	0.145			(0%-20%)	IS2	03/09/26 14:00
Bicarbonate alkalinity (CaCO3)		98.7		98.6	mg/L	0.145			(0%-20%)		
Carbonate alkalinity (CaCO3)		0.000	U	ND	mg/L	0	^		(+/-2.86)		
QC1206401751 LCS											
Alkalinity, Total as CaCO3	15.0			13.8	mg/L			92	(90%-110%)		03/09/26 13:39
QC1206401754 LCS											
Alkalinity, Total as CaCO3	50.0			52.9	mg/L			106	(90%-110%)		03/09/26 13:40
QC1206401753 766191001 MS											
Alkalinity, Total as CaCO3	71.4	98.7		173	mg/L			104	(80%-120%)		03/09/26 14:01

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

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: 2952229

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2952228

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

GEL Sample ID#	Client Sample Identification
765726001	BRA-PZ-68D
1206390793	Method Blank (MB)**ICP-MS Batch 2952229**
1206390794	Laboratory Control Sample (LCS)
1206390798	765722001(BRA-PZ-81L) Serial Dilution (SD)
1206390795	765722001(BRA-PZ-81S) Matrix Spike (MS)
1206390796	765722001(BRA-PZ-81SD) 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 were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	**765726**
	001
Boron	5X
Calcium	10X
Sodium	10X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2955764

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2955762

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

GEL Sample ID#	Client Sample Identification
765726001	BRA-PZ-68D
1206396663	Method Blank (MB)**CVAA Batch 2955764**
1206396664	Laboratory Control Sample (LCS)
1206396668	766340001(NonSDGD) Sample Duplicate (DUP)
1206396669	766340001(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: 2952905

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

GEL Sample ID#	Client Sample Identification
765726001	BRA-PZ-68D
1206392024	Method Blank (MB) **Batch 2952905**
1206392025	Laboratory Control Sample (LCS)
1206392026	765724001(BRA-BRGWC-33S) Sample Duplicate (DUP)
1206392027	765724001(BRA-BRGWC-33S) Matrix Spike (MS)
1206392028	765771001(NonSDG) Sample Duplicate (DUP)
1206392029	765771001(NonSDG) 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.

Calibration Information

Initial Calibration

Technical Information

Sample Dilutions
The following samples 1206392026 (BRA-BRGWC-33SDUP), 1206392027 (BRA-BRGWC-33SMS), 1206392028 (Non SDG 765771001DUP), 1206392029 (Non SDG 765771001MS) and 765726001 (BRA-PZ-68D) 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	**765726 001**
Chloride	2X
Sulfate	25X

Miscellaneous Information

Manual Integrations
Samples 1206392028 (Non SDG 765771001DUP), 1206392029 (Non SDG 765771001MS) and 765726001 (BRA-PZ-68D) 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# 23
Analytical Batch: 2952522

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

GEL Sample ID#	Client Sample Identification
765726001	BRA-PZ-68D
1206391352	Method Blank (MB) **Batch 2952522**
1206391353	Laboratory Control Sample (LCS)
1206391354	765491014(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.

Calibration Information

Initial Calibration

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2958606

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

GEL Sample ID#	Client Sample Identification
765726001	BRA-PZ-68D
1206401751	Laboratory Control Sample (LCS) **Batch 2958606**
1206401752	766191001(NonSDG) Sample Duplicate (DUP)
1206401753	766191001(NonSDG) Matrix Spike (MS)
1206401754	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.

Calibration Information

Initial Calibration

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206401752 (Non SDG 766191001DUP) and 1206401753 (Non SDG 766191001MS).

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
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

765726/765727 Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Abagail Martin*

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 - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: D. Johnson 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	Total, Carb, & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	Cobalt only EPA 6020 NI	<-- Preservative Type (6)
BRA- PZ-68D	02/24/26	0845	G	N	WG			5	✓	✓	✓	✓		
BRA- BRGWA-23S	02/24/26	0934	G	N	WG			2				✓		limited volume.
BRA-														
BRA-														
BRA-														
BRA-														
BRA-														
BRA-														
BRA-														
BRA-														

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	2/25/26	0747	[signature]	2/25/26	7:47
2				[signature]	2/25/26	12:00
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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

6 LG 02/26/26

Client: GPCC | SDG/AR/COC/Work Order: 765726 765727 | GEL PM: AM

Received By: CLM | Date Received at GEL: 2/25/26

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

IR Temp gun # IR5-23 Daily Calibration Performed Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler 1	0°				
2	0°				
3	0°				

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 JG Date 02/26/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 10 March 2026

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	2026-139
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	SC000122025-50
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

March 11, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Ash Ponds Plant Branch Ash Ponds - Background
Work Order: 765769

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 26, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was 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
765769001	BRA-PZ-80	Ground Water	02/25/26 09:26	02/26/26 08:08

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

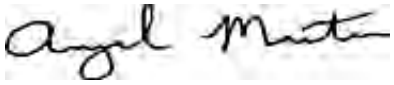
Method	Run Date ID
SW846 3005A	07-MAR-2026
SW846 3005A	26-FEB-2026
SW846 7470A Prep	02-MAR-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	27-FEB-2026
SM 2320B	09-MAR-2026
SM 2540C	27-FEB-2026
SW846 3005A/6020B	03-MAR-2026
SW846 3005A/6020B	05-MAR-2026
SW846 3005A/6020B	10-MAR-2026
SW846 3005A/6020B	11-MAR-2026

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. 4705.

Sincerely,



Abagail Martin
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: 765769 GEL Work Order: 765769

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

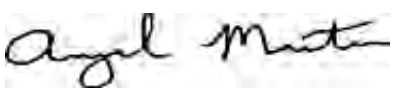
J Value is estimated

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, Abagail Martin.

Reviewed by 

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

Certificate of Analysis

Report Date: March 11, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Branch Ash PondsPlant Branch Ash Ponds - Background

Client Sample ID:	BRA-PZ-80	Project:	GPCC00325
Sample ID:	765769001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	25-FEB-26 09:26		
Receive Date:	26-FEB-26		
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		4.73	0.0670	0.200	mg/L		1	CWW	02/27/26	0130	2952905	1
Fluoride		0.205	0.0330	0.100	mg/L		1					
Sulfate		30.7	0.266	0.800	mg/L		2	CWW	02/27/26	2147	2952905	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	03/03/26	1217	2953739	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Total Metals* "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	BAJ	03/03/26	1335	2952546	4
Arsenic	J	0.00234	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0199	0.000670	0.00400	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		0.00396	0.000300	0.00100	mg/L	1.00	1					
Iron		0.299	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Magnesium		7.42	0.0100	0.0300	mg/L	1.00	1					
Molybdenum		0.00122	0.000200	0.00100	mg/L	1.00	1					
Potassium		1.41	0.0800	0.300	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		15.8	0.0800	0.200	mg/L	1.00	1	BAJ	03/05/26	1331	2952546	5
Manganese		2.36	0.0100	0.0500	mg/L	1.00	10	BAJ	03/05/26	1338	2952546	6
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	03/10/26	2308	2957962	7
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Sodium		58.0	0.800	2.50	mg/L	1.00	10	RM4	03/10/26	2248	2957962	8
Boron	J	0.0149	0.00520	0.0150	mg/L	1.00	1	RM4	03/11/26	0715	2957962	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		217	2.38	10.0	mg/L			SC1	02/27/26	1549	2952522	10
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		136	0.725	2.00	mg/L			IS2	03/09/26	1343	2958606	11
Bicarbonate alkalinity (CaCO3)		136	0.725	2.00	mg/L							

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Address : 241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Branch Ash PondsPlant Branch Ash Ponds - Background

Client Sample ID: BRA-PZ-80 Project: GPCC00325
Sample ID: 765769001 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	HC1	03/07/26	1015	2957961
SW846 3005A	ICP-MS 3005A PREP	CJ3	02/26/26	1520	2952545
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	03/02/26	1120	2953738

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	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SW846 3005A/6020B	
10	SM 2540C	
11	SM 2320B	

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

QC Summary

Report Date: March 11, 2026

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

Contact: **Chris Tidwell**

Workorder: **765769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2952905										
QC1206392026 765724001 DUP										
Chloride		54.1		53.7	mg/L	0.777		(0%-20%)	CWW	02/27/26 09:59
Fluoride		0.117		0.105	mg/L	10.7	^	(+/-0.100)		02/26/26 17:32
Sulfate		1050		1050	mg/L	0.239		(0%-20%)		02/27/26 12:38
QC1206392028 765771001 DUP										
Chloride		6.81		6.80	mg/L	0.162		(0%-20%)		02/27/26 02:33
Fluoride		0.362		0.359	mg/L	0.777	^	(+/-0.100)		
Sulfate		198		198	mg/L	0.193		(0%-20%)		02/27/26 22:50
QC1206392025 LCS										
Chloride	5.00			4.72	mg/L		94.5	(90%-110%)		02/26/26 15:57
Fluoride	2.50			2.37	mg/L		94.6	(90%-110%)		
Sulfate	10.0			9.55	mg/L		95.5	(90%-110%)		
QC1206392024 MB										
Chloride			U	ND	mg/L					02/26/26 15:25
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **765769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2952905										
QC1206392027 765724001 MS										
Chloride	50.0	54.1		106	mg/L		104	(90%-110%)	CWW	02/27/26 10:31
Fluoride	2.50	0.117		2.71	mg/L		104	(90%-110%)		02/26/26 18:04
Sulfate	1000	1050		2040	mg/L		99	(90%-110%)		02/27/26 13:10
QC1206392029 765771001 MS										
Chloride	5.00	6.81		11.9	mg/L		103	(90%-110%)		02/27/26 03:05
Fluoride	2.50	0.362		2.98	mg/L		105	(90%-110%)		
Sulfate	200	198		380	mg/L		90.7	(90%-110%)		02/27/26 23:22
Metals Analysis - ICPMS										
Batch 2952546										
QC1206391371 LCS										
Antimony	0.0500			0.0506	mg/L		101	(80%-120%)	BAJ	03/03/26 13:32
Arsenic	0.0500			0.0538	mg/L		108	(80%-120%)		
Barium	0.0500			0.0533	mg/L		107	(80%-120%)		
Cadmium	0.0500			0.0527	mg/L		105	(80%-120%)		
Calcium	2.00			2.38	mg/L		119	(80%-120%)		03/05/26 13:25
Chromium	0.0500			0.0507	mg/L		101	(80%-120%)		03/03/26 13:32
Cobalt	0.0500			0.0481	mg/L		96.2	(80%-120%)		

QC Summary

Workorder: **765769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952546										
Iron	2.00			2.00	mg/L		100	(80%-120%)	BAJ	03/03/26 13:32
Lead	0.0500			0.0546	mg/L		109	(80%-120%)		
Magnesium	2.00			2.38	mg/L		119	(80%-120%)		
Manganese	0.0500			0.0539	mg/L		108	(80%-120%)		03/05/26 13:25
Molybdenum	0.0500			0.0545	mg/L		109	(80%-120%)		03/03/26 13:32
Potassium	2.00			2.33	mg/L		116	(80%-120%)		
Selenium	0.0500			0.0519	mg/L		104	(80%-120%)		
Thallium	0.0500			0.0527	mg/L		105	(80%-120%)		
QC1206391370 MB										
Antimony			U	ND	mg/L					03/03/26 13:29
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Cadmium			U	ND	mg/L					
Calcium			U	ND	mg/L					03/05/26 13:23
Chromium			U	ND	mg/L					03/03/26 13:29

QC Summary

Workorder: **765769**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952546											
Cobalt				U	ND	mg/L				BAJ	03/03/26 13:29
Iron				U	ND	mg/L					
Lead				U	ND	mg/L					
Magnesium				U	ND	mg/L					
Manganese				U	ND	mg/L					03/05/26 13:23
Molybdenum				U	ND	mg/L					03/03/26 13:29
Potassium				U	ND	mg/L					
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
QC1206391372 765769001 MS											
Antimony	0.0500	U	ND		0.0512	mg/L		102	(75%-125%)		03/03/26 13:38
Arsenic	0.0500	J	0.00234		0.0546	mg/L		105	(75%-125%)		
Barium	0.0500		0.0199		0.0701	mg/L		100	(75%-125%)		
Cadmium	0.0500	U	ND		0.0521	mg/L		104	(75%-125%)		
Calcium	2.00		15.8		17.7	mg/L		N/A	(75%-125%)		03/05/26 13:33

QC Summary

Workorder: **765769**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952546											
Chromium	0.0500	U	ND		0.0495	mg/L		97	(75%-125%)	BAJ	03/03/26 13:38
Cobalt	0.0500		0.00396		0.0490	mg/L		90.2	(75%-125%)		
Iron	2.00		0.299		2.25	mg/L		97.7	(75%-125%)		
Lead	0.0500	U	ND		0.0524	mg/L		105	(75%-125%)		
Magnesium	2.00		7.42		10.2	mg/L		139*	(75%-125%)		
Manganese	0.0500		2.36		2.40	mg/L		N/A	(75%-125%)		03/05/26 13:39
Molybdenum	0.0500		0.00122		0.0580	mg/L		114	(75%-125%)		03/03/26 13:38
Potassium	2.00		1.41		3.75	mg/L		117	(75%-125%)		
Selenium	0.0500	U	ND		0.0497	mg/L		98.8	(75%-125%)		
Thallium	0.0500	U	ND		0.0501	mg/L		100	(75%-125%)		
QC1206391373 765769001 MSD											
Antimony	0.0500	U	ND		0.0515	mg/L	0.66	102	(0%-20%)		03/03/26 13:41
Arsenic	0.0500	J	0.00234		0.0559	mg/L	2.26	107	(0%-20%)		
Barium	0.0500		0.0199		0.0704	mg/L	0.455	101	(0%-20%)		
Cadmium	0.0500	U	ND		0.0525	mg/L	0.772	105	(0%-20%)		

QC Summary

Workorder: **765769**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952546											
Calcium	2.00		15.8		18.3	mg/L	2.91	N/A	(0%-20%)	BAJ	03/05/26 13:34
Chromium	0.0500	U	ND		0.0513	mg/L	3.65	101	(0%-20%)		03/03/26 13:41
Cobalt	0.0500		0.00396		0.0518	mg/L	5.55	95.8	(0%-20%)		
Iron	2.00		0.299		2.29	mg/L	1.47	99.3	(0%-20%)		
Lead	0.0500	U	ND		0.0533	mg/L	1.7	106	(0%-20%)		
Magnesium	2.00		7.42		10.2	mg/L	0.396	141*	(0%-20%)		
Manganese	0.0500		2.36		2.42	mg/L	0.776	N/A	(0%-20%)		03/05/26 13:41
Molybdenum	0.0500		0.00122		0.0587	mg/L	1.28	115	(0%-20%)		03/03/26 13:41
Potassium	2.00		1.41		3.84	mg/L	2.37	121	(0%-20%)		
Selenium	0.0500	U	ND		0.0518	mg/L	4.05	103	(0%-20%)		
Thallium	0.0500	U	ND		0.0521	mg/L	3.9	104	(0%-20%)		
QC1206391374 765769001 PS											
Magnesium	2000		7420		10100	ug/L		133*	(75%-125%)		03/03/26 13:44
QC1206391375 765769001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 13:47
Arsenic		J	2.34	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **765769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952546										
Barium		19.9	J	3.97	ug/L	.362		(0%-20%)	BAJ	03/03/26 13:47
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Calcium		15800		3180	ug/L	.714		(0%-20%)		03/05/26 13:37
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 13:47
Cobalt		3.96	J	0.846	ug/L	6.95		(0%-20%)		
Iron		299	J	72.0	ug/L	20.4		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		7420		1430	ug/L	3.44		(0%-20%)		
Manganese		236		47.5	ug/L	.548		(0%-20%)		03/05/26 13:42
Molybdenum		1.22	J	0.306	ug/L	25.3		(0%-20%)		03/03/26 13:47
Potassium		1410	J	281	ug/L	.199		(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 2957962										
QC1206400429 LCS										
Beryllium	0.0500			0.0568	mg/L		114	(80%-120%)	RM4	03/10/26 22:44

QC Summary

Workorder: **765769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2957962										
Boron	0.100			0.110	mg/L		110	(80%-120%)	RM4	03/10/26 22:44
Lithium	0.0500			0.0518	mg/L		104	(80%-120%)		
Sodium	2.00			2.23	mg/L		112	(80%-120%)		
QC1206400428 MB										
Beryllium			U	ND	mg/L					03/10/26 22:43
Boron			U	ND	mg/L					
Lithium			U	ND	mg/L					
Sodium			U	ND	mg/L					
QC1206400430 765771001 MS										
Beryllium	0.0500	0.00501		0.0625	mg/L		115	(75%-125%)		03/10/26 23:14
Boron	0.100	1.27		1.31	mg/L		N/A	(75%-125%)		03/10/26 22:51
Lithium	0.0500	0.0180		0.0704	mg/L		105	(75%-125%)		03/10/26 23:14
Sodium	2.00	23.9		26.0	mg/L		N/A	(75%-125%)		03/11/26 07:36
QC1206400431 765771001 MSD										
Beryllium	0.0500	0.00501		0.0608	mg/L	2.78	112	(0%-20%)		03/10/26 23:15
Boron	0.100	1.27		1.34	mg/L	2.3	N/A	(0%-20%)		03/10/26 22:53
Lithium	0.0500	0.0180		0.0721	mg/L	2.41	108	(0%-20%)		03/10/26 23:15

QC Summary

Workorder: **765769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2957962										
Sodium	2.00	23.9		26.6	mg/L	2.07	N/A	(0%-20%)	RM4	03/11/26 07:39
QC1206400433 765771001 SDILT										
Beryllium		5.01		1.03	ug/L	3.16		(0%-20%)		03/10/26 23:18
Boron		1270		1480	ug/L	17		(0%-20%)		03/10/26 22:56
Lithium		18.0	J	3.59	ug/L	.427		(0%-20%)		03/10/26 23:18
Sodium		23900		4890	ug/L	2.29		(0%-20%)		03/11/26 07:41
Metals Analysis-Mercury										
Batch 2953739										
QC1206393379 LCS										
Mercury	0.00200			0.00195	mg/L		97.6	(80%-120%)	JP2	03/03/26 12:14
QC1206393378 MB										
Mercury			U	ND	mg/L					03/03/26 12:12
QC1206393380 765905001 MS										
Mercury	0.00200	U	ND	0.00195	mg/L		97.5	(75%-125%)		03/03/26 12:22
QC1206393381 765905001 MSD										
Mercury	0.00200	U	ND	0.00196	mg/L	0.613	98.1	(0%-20%)		03/03/26 12:24
Solids Analysis										
Batch 2952522										
QC1206391354 765491014 DUP										
Total Dissolved Solids		355		366	mg/L	3.05		(0%-5%)	SC1	02/27/26 15:49

QC Summary

Workorder: **765769**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Solids Analysis											
Batch 2952522											
QC1206391353 LCS											
Total Dissolved Solids	300			294	mg/L			98	(95%-105%)	SC1	02/27/26 15:49
QC1206391352 MB											
Total Dissolved Solids			U	ND	mg/L						02/27/26 15:49
Titration and Ion Analysis											
Batch 2958606											
QC1206401752 766191001 DUP											
Alkalinity, Total as CaCO3		98.7		98.6	mg/L	0.145			(0%-20%)	IS2	03/09/26 14:00
Bicarbonate alkalinity (CaCO3)		98.7		98.6	mg/L	0.145			(0%-20%)		
Carbonate alkalinity (CaCO3)		0.000	U	ND	mg/L	0	^		(+/-2.86)		
QC1206401751 LCS											
Alkalinity, Total as CaCO3	15.0			13.8	mg/L			92	(90%-110%)		03/09/26 13:39
QC1206401754 LCS											
Alkalinity, Total as CaCO3	50.0			52.9	mg/L			106	(90%-110%)		03/09/26 13:40
QC1206401753 766191001 MS											
Alkalinity, Total as CaCO3	71.4	98.7		173	mg/L			104	(80%-120%)		03/09/26 14:01

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

QC Summary

Workorder: **765769**

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

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 #: 765769

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2952546

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2952545

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

GEL Sample ID#	Client Sample Identification
765769001	BRA-PZ-80
1206391370	Method Blank (MB)**ICP-MS Batch 2952546**
1206391371	Laboratory Control Sample (LCS)
1206391375	765769001(BRA-PZ-80L) Serial Dilution (SD)
1206391372	765769001(BRA-PZ-80S) Matrix Spike (MS)
1206391373	765769001(BRA-PZ-80SD) Matrix Spike Duplicate (MSD)
1206391374	765769001(BRA-PZ-80PS) 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.

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.

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 analytes. The post spike also did not meet the required control limits; thus, confirming matrix interferences and/or sample non-homogeneity.

Sample	Analyte	Value
1206391372 (BRA-PZ-80MS)	Magnesium	139* (75%-125%)
1206391373 (BRA-PZ-80MSD)	Magnesium	141* (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
1206391374 (BRA-PZ-80PS)	Magnesium	133* (75%-125%)

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 765769001 (BRA-PZ-80) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	765769 001
Manganese	10X

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2957962

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2957961

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

GEL Sample ID#	Client Sample Identification
765769001	BRA-PZ-80
1206400428	Method Blank (MB)**ICP-MS Batch 2957962**
1206400429	Laboratory Control Sample (LCS)
1206400433	765771001(BRA-BRGWC-38SL) Serial Dilution (SD)
1206400430	765771001(BRA-BRGWC-38SS) Matrix Spike (MS)
1206400431	765771001(BRA-BRGWC-38SSD) 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 765769001 (BRA-PZ-80) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	**765769001**
Sodium	10X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2953739

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2953738

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

GEL Sample ID#	Client Sample Identification
765769001	BRA-PZ-80
1206393378	Method Blank (MB)**CVAA Batch 2953739**
1206393379	Laboratory Control Sample (LCS)
1206393380	765905001(NonSDGS) Matrix Spike (MS)
1206393381	765905001(NonSDGSD) Matrix Spike Duplicate (MSD)

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: 2952905

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

GEL Sample ID#	Client Sample Identification
765769001	BRA-PZ-80

1206392024	Method Blank (MB) **Batch 2952905**
1206392025	Laboratory Control Sample (LCS)
1206392026	765724001(NonSDG) Sample Duplicate (DUP)
1206392027	765724001(NonSDG) Matrix Spike (MS)
1206392028	765771001(BRA-BRGWC-38S) Sample Duplicate (DUP)
1206392029	765771001(BRA-BRGWC-38S) 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.

Calibration Information

Initial Calibration

Technical Information

Sample Dilutions
The following samples 1206392026 (Non SDG 765724001DUP), 1206392027 (Non SDG 765724001MS), 1206392028 (BRA-BRGWC-38SDUP), 1206392029 (BRA-BRGWC-38SMS) and 765769001 (BRA-PZ-80) 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	**765769**
	001
Sulfate	2X

Miscellaneous Information

Manual Integrations
Samples 1206392028 (BRA-BRGWC-38SDUP), 1206392029 (BRA-BRGWC-38SMS) and 765769001 (BRA-PZ-80) 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# 23
Analytical Batch: 2952522

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

GEL Sample ID#	Client Sample Identification
765769001	BRA-PZ-80
1206391352	Method Blank (MB) **Batch 2952522**
1206391353	Laboratory Control Sample (LCS)
1206391354	765491014(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.

Calibration Information

Initial Calibration

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2958606

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

GEL Sample ID#	Client Sample Identification
765769001	BRA-PZ-80
1206401751	Laboratory Control Sample (LCS) **Batch 2958606**
1206401752	766191001(NonSDG) Sample Duplicate (DUP)
1206401753	766191001(NonSDG) Matrix Spike (MS)
1206401754	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.

Calibration Information

Initial Calibration

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206401752 (Non SDG 766191001DUP) and 1206401753 (Non SDG 766191001MS).

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.

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765770

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

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

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 - Backgrounds
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: J. May 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	Total, Carb, & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI		Cobalt only EPA 6020 NI					<-- Preservative Type (6)
BRA- PZ-80	02/25/26	0926	G	N	WG			5	✓	✓	✓	✓							
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			

Comments
Note: extra sample is required for sample specific QC
Task_Code: ~~BRA-CCR-ASSMT-2026S1-05~~
Task_Code: BRA-CCR-OTH-20260224

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	2/26/26	0808	1	2/26/26	0808
2			2		
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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.)

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GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AM

Received By: CLM | Date Received at GEL: 2/26/26

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

IR Temp gun # IR5-23 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).
Cooler 1	0°				
2	0°				

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 IJ Date 2/27/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 11 March 2026

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	2026-139
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	SC000122025-50
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

March 09, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Plant Branch Ash Ponds -Background
Work Order: 765722

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 25, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was 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
765722001	BRA-PZ-81	Ground Water	02/24/26 13:30	02/25/26 12:00

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

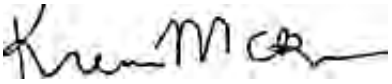
Method	Run Date ID
SW846 3005A	26-FEB-2026
SW846 7470A Prep	02-MAR-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	26-FEB-2026
EPA 300.0	27-FEB-2026
SM 2320B	06-MAR-2026
SM 2540C	27-FEB-2026
SW846 3005A/6020B	03-MAR-2026
SW846 7470A/6020B	04-MAR-2026
SW846 7470A	03-MAR-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765722 GEL Work Order: 765722

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

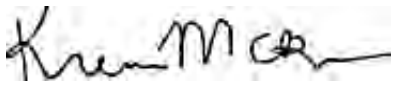
J Value is estimated

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, Abagail Martin.

Reviewed by 

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

Certificate of Analysis

Report Date: March 9, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds -Background

Client Sample ID:	BRA-PZ-81	Project:	GPCC01324
Sample ID:	765722001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	24-FEB-26 13:30		
Receive Date:	25-FEB-26		
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		6.83	0.0670	0.200	mg/L		1	CWW	02/26/26	1629	2952905	1
Fluoride		0.151	0.0330	0.100	mg/L		1					
Sulfate		293	2.66	8.00	mg/L		20	CWW	02/27/26	0856	2952905	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	03/03/26	1216	2953739	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	03/03/26	0425	2952229	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0301	0.000670	0.00400	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		0.00780	0.000300	0.00100	mg/L	1.00	1					
Iron		0.926	0.0330	0.100	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					
Magnesium		44.0	0.0100	0.0300	mg/L	1.00	1					
Molybdenum	J	0.000395	0.000200	0.00100	mg/L	1.00	1					
Potassium		6.89	0.0800	0.300	mg/L	1.00	1					
Sodium		25.6	0.0800	0.250	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Calcium		56.8	0.800	2.00	mg/L	1.00	10	RM4	03/03/26	0449	2952229	5
Manganese		7.12	0.0100	0.0500	mg/L	1.00	10					
Boron		0.116	0.00520	0.0150	mg/L	1.00	1	RM4	03/03/26	1527	2952229	6
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	03/04/26	0759	2952229	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		492	2.38	10.0	mg/L			SC1	02/27/26	1549	2952522	8
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		47.4	0.806	2.22	mg/L			IS2	03/06/26	1248	2956752	9
Bicarbonate alkalinity (CaCO3)		47.4	0.806	2.22	mg/L							

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

Certificate of Analysis

Report Date: March 9, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds -Background

Client Sample ID: BRA-PZ-81 Project: GPCC01324
Sample ID: 765722001 Client ID: GPCC002

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Carbonate alkalinity (CaCO3)	U	ND	0.806	2.22	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	03/02/26	1120	2953738
SW846 3005A	ICP-MS 3005A PREP	ES3	02/26/26	0815	2952228

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	SW846 3005A/6020B	
8	SM 2540C	
9	SM 2320B	

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

QC Summary

Report Date: March 9, 2026

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

Contact: **Chris Tidwell**

Workorder: **765722**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2952905										
QC1206392026 765724001 DUP										
Chloride		54.1		53.7	mg/L	0.777		(0%-20%)	CWW	02/27/26 09:59
Fluoride		0.117		0.105	mg/L	10.7	^	(+/-0.100)		02/26/26 17:32
Sulfate		1050		1050	mg/L	0.239		(0%-20%)		02/27/26 12:38
QC1206392028 765771001 DUP										
Chloride		6.81		6.80	mg/L	0.162		(0%-20%)		02/27/26 02:33
Fluoride		0.362		0.359	mg/L	0.777	^	(+/-0.100)		
Sulfate		198		198	mg/L	0.193		(0%-20%)		02/27/26 22:50
QC1206392025 LCS										
Chloride	5.00			4.72	mg/L		94.5	(90%-110%)		02/26/26 15:57
Fluoride	2.50			2.37	mg/L		94.6	(90%-110%)		
Sulfate	10.0			9.55	mg/L		95.5	(90%-110%)		
QC1206392024 MB										
Chloride			U	ND	mg/L					02/26/26 15:25
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **765722**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2952905										
QC1206392027 765724001 MS										
Chloride	50.0	54.1		106	mg/L		104	(90%-110%)	CWW	02/27/26 10:31
Fluoride	2.50	0.117		2.71	mg/L		104	(90%-110%)		02/26/26 18:04
Sulfate	1000	1050		2040	mg/L		99	(90%-110%)		02/27/26 13:10
QC1206392029 765771001 MS										
Chloride	5.00	6.81		11.9	mg/L		103	(90%-110%)		02/27/26 03:05
Fluoride	2.50	0.362		2.98	mg/L		105	(90%-110%)		
Sulfate	200	198		380	mg/L		90.7	(90%-110%)		02/27/26 23:22
Metals Analysis - ICPMS										
Batch 2952229										
QC1206390794 LCS										
Antimony	0.0500			0.0525	mg/L		105	(80%-120%)	RM4	03/03/26 04:22
Arsenic	0.0500			0.0553	mg/L		111	(80%-120%)		
Barium	0.0500			0.0544	mg/L		109	(80%-120%)		
Beryllium	0.0500			0.0513	mg/L		103	(80%-120%)		03/04/26 07:58
Boron	0.100			0.110	mg/L		110	(80%-120%)		03/03/26 15:26
Cadmium	0.0500			0.0556	mg/L		111	(80%-120%)		03/03/26 04:22
Calcium	2.00			2.30	mg/L		115	(80%-120%)		

QC Summary

Workorder: **765722**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952229										
Chromium	0.0500			0.0543	mg/L		109	(80%-120%)	RM4	03/03/26 04:22
Cobalt	0.0500			0.0545	mg/L		109	(80%-120%)		
Iron	2.00			2.22	mg/L		111	(80%-120%)		
Lead	0.0500			0.0543	mg/L		109	(80%-120%)		
Lithium	0.0500			0.0579	mg/L		116	(80%-120%)		
Magnesium	2.00			2.29	mg/L		114	(80%-120%)		
Manganese	0.0500			0.0547	mg/L		109	(80%-120%)		
Molybdenum	0.0500			0.0554	mg/L		111	(80%-120%)		
Potassium	2.00			2.22	mg/L		111	(80%-120%)		
Selenium	0.0500			0.0521	mg/L		104	(80%-120%)		03/03/26 15:26
Sodium	2.00			2.32	mg/L		116	(80%-120%)		03/03/26 04:22
Thallium	0.0500			0.0531	mg/L		106	(80%-120%)		
QC1206390793 MB										
Antimony			U	ND	mg/L					03/03/26 04:19
Arsenic			U	ND	mg/L					

QC Summary

Workorder: **765722**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952229										
Barium			U	ND	mg/L				RM4	03/03/26 04:19
Beryllium			U	ND	mg/L					03/04/26 07:57
Boron			U	ND	mg/L					03/03/26 15:24
Cadmium			U	ND	mg/L					03/03/26 04:19
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Potassium			U	ND	mg/L					

QC Summary

Workorder: **765722**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952229											
Selenium				U	ND	mg/L				RM4	03/03/26 15:24
Sodium				U	ND	mg/L					03/03/26 04:19
Thallium				U	ND	mg/L					
QC1206390795 765722001 MS											
Antimony	0.0500	U	ND		0.0530	mg/L		106	(75%-125%)		03/03/26 04:28
Arsenic	0.0500	U	ND		0.0567	mg/L		112	(75%-125%)		
Barium	0.0500		0.0301		0.0811	mg/L		102	(75%-125%)		
Beryllium	0.0500	U	ND		0.0544	mg/L		109	(75%-125%)		03/04/26 08:00
Boron	0.100		0.116		0.225	mg/L		109	(75%-125%)		03/03/26 15:28
Cadmium	0.0500	U	ND		0.0545	mg/L		109	(75%-125%)		03/03/26 04:28
Calcium	2.00		56.8		58.7	mg/L		N/A	(75%-125%)		03/03/26 04:52
Chromium	0.0500	U	ND		0.0535	mg/L		106	(75%-125%)		03/03/26 04:28
Cobalt	0.0500		0.00780		0.0596	mg/L		104	(75%-125%)		
Iron	2.00		0.926		3.09	mg/L		108	(75%-125%)		
Lead	0.0500	U	ND		0.0510	mg/L		102	(75%-125%)		

QC Summary

Workorder: **765722**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952229											
Lithium	0.0500	U	ND		0.0559	mg/L		111	(75%-125%)	RM4	03/03/26 04:28
Magnesium	2.00		44.0		45.9	mg/L		N/A	(75%-125%)		
Manganese	0.0500		7.12		7.14	mg/L		N/A	(75%-125%)		03/03/26 04:52
Molybdenum	0.0500	J	0.000395		0.0579	mg/L		115	(75%-125%)		03/03/26 04:28
Potassium	2.00		6.89		8.89	mg/L		99.8	(75%-125%)		
Selenium	0.0500	U	ND		0.0541	mg/L		107	(75%-125%)		03/03/26 15:28
Sodium	2.00		25.6		27.6	mg/L		N/A	(75%-125%)		03/03/26 04:28
Thallium	0.0500	U	ND		0.0502	mg/L		100	(75%-125%)		
QC1206390796 765722001 MSD											
Antimony	0.0500	U	ND		0.0545	mg/L	2.88	109	(0%-20%)		03/03/26 04:31
Arsenic	0.0500	U	ND		0.0585	mg/L	3.11	115	(0%-20%)		
Barium	0.0500		0.0301		0.0848	mg/L	4.48	109	(0%-20%)		
Beryllium	0.0500	U	ND		0.0549	mg/L	0.88	110	(0%-20%)		03/04/26 08:01
Boron	0.100		0.116		0.231	mg/L	2.52	115	(0%-20%)		03/03/26 15:30
Cadmium	0.0500	U	ND		0.0560	mg/L	2.71	112	(0%-20%)		03/03/26 04:31

QC Summary

Workorder: **765722**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952229											
Calcium	2.00		56.8		62.2	mg/L	5.79	N/A	(0%-20%)	RM4	03/03/26 04:56
Chromium	0.0500	U	ND		0.0551	mg/L	3.06	109	(0%-20%)		03/03/26 04:31
Cobalt	0.0500		0.00780		0.0606	mg/L	1.6	106	(0%-20%)		
Iron	2.00		0.926		3.22	mg/L	3.82	114	(0%-20%)		
Lead	0.0500	U	ND		0.0522	mg/L	2.38	104	(0%-20%)		
Lithium	0.0500	U	ND		0.0578	mg/L	3.24	114	(0%-20%)		
Magnesium	2.00		44.0		47.3	mg/L	3.07	N/A	(0%-20%)		
Manganese	0.0500		7.12		7.50	mg/L	4.88	N/A	(0%-20%)		03/03/26 04:56
Molybdenum	0.0500	J	0.000395		0.0597	mg/L	2.99	119	(0%-20%)		03/03/26 04:31
Potassium	2.00		6.89		9.24	mg/L	3.95	118	(0%-20%)		
Selenium	0.0500	U	ND		0.0571	mg/L	5.46	113	(0%-20%)		03/03/26 15:30
Sodium	2.00		25.6		28.3	mg/L	2.44	N/A	(0%-20%)		03/03/26 04:31
Thallium	0.0500	U	ND		0.0515	mg/L	2.4	103	(0%-20%)		
QC1206390798 765722001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37

QC Summary

Workorder: **765722**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2952229										
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)	RM4	03/03/26 04:37
Barium		30.1		6.30	ug/L	4.58		(0%-20%)		
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		03/04/26 08:04
Boron		116		27.8	ug/L	19.7		(0%-20%)		03/03/26 15:33
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37
Calcium		56800		55300	ug/L	2.5		(0%-20%)		03/03/26 05:03
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37
Cobalt		7.80		1.55	ug/L	.551		(0%-20%)		
Iron		926		199	ug/L	7.56		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		44000		9130	ug/L	3.71		(0%-20%)		
Manganese		7120		6980	ug/L	1.85		(0%-20%)		03/03/26 05:03
Molybdenum	J	0.395	U	ND	ug/L	N/A		(0%-20%)		03/03/26 04:37

QC Summary

Workorder: **765722**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2952229											
Potassium			6890		1350	ug/L	1.79		(0%-20%)	RM4	03/03/26 04:37
Selenium		U	ND	U	ND	ug/L	N/A		(0%-20%)		03/03/26 15:33
Sodium			25600		5080	ug/L	.807		(0%-20%)		03/03/26 04:37
Thallium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury											
Batch 2953739											
QC1206393379 LCS											
Mercury	0.00200				0.00195	mg/L		97.6	(80%-120%)	JP2	03/03/26 12:14
QC1206393378 MB											
Mercury				U	ND	mg/L					03/03/26 12:12
QC1206393380 765905001 MS											
Mercury	0.00200	U	ND		0.00195	mg/L		97.5	(75%-125%)		03/03/26 12:22
QC1206393381 765905001 MSD											
Mercury	0.00200	U	ND		0.00196	mg/L	0.613	98.1	(0%-20%)		03/03/26 12:24
Solids Analysis											
Batch 2952522											
QC1206391354 765491014 DUP											
Total Dissolved Solids			355		366	mg/L	3.05		(0%-5%)	SC1	02/27/26 15:49
QC1206391353 LCS											
Total Dissolved Solids	300				294	mg/L		98	(95%-105%)		02/27/26 15:49
QC1206391352 MB											
Total Dissolved Solids				U	ND	mg/L					02/27/26 15:49

QC Summary

Workorder: **765722**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Titration and Ion Analysis										
Batch 2956752										
QC1206398331 765722001 DUP										
Alkalinity, Total as CaCO3		47.4		47.7	mg/L	0.467		(0%-20%)	IS2	03/06/26 12:50
Bicarbonate alkalinity (CaCO3)		47.4		47.7	mg/L	0.467		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206398330 LCS										
Alkalinity, Total as CaCO3	15.0			14.1	mg/L		94	(90%-110%)		03/06/26 12:46
QC1206398333 LCS										
Alkalinity, Total as CaCO3	50.0			52.9	mg/L		106	(90%-110%)		03/06/26 12:47
QC1206399979 765722001 MS										
Alkalinity, Total as CaCO3	55.6	47.4		107	mg/L		108	(80%-120%)		03/06/26 12:52

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

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: 2952229

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2952228

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

GEL Sample ID#	Client Sample Identification
765722001	BRA-PZ-81
1206390793	Method Blank (MB)**ICP-MS Batch 2952229**
1206390794	Laboratory Control Sample (LCS)
1206390798	765722001(BRA-PZ-81L) Serial Dilution (SD)
1206390795	765722001(BRA-PZ-81S) Matrix Spike (MS)
1206390796	765722001(BRA-PZ-81SD) 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 were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	**765722**
	001
Calcium	10X
Manganese	10X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2953739

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2953738

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

GEL Sample ID#	Client Sample Identification
765722001	BRA-PZ-81
1206393378	Method Blank (MB)**CVAA Batch 2953739**
1206393379	Laboratory Control Sample (LCS)
1206393380	765905001(NonSDGS) Matrix Spike (MS)
1206393381	765905001(NonSDGSD) Matrix Spike Duplicate (MSD)

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: 2952905

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

GEL Sample ID#	Client Sample Identification
765722001	BRA-PZ-81
1206392024	Method Blank (MB) **Batch 2952905**
1206392025	Laboratory Control Sample (LCS)
1206392026	765724001(BRA-BRGWC-33S) Sample Duplicate (DUP)
1206392027	765724001(BRA-BRGWC-33S) Matrix Spike (MS)
1206392028	765771001(NonSDG) Sample Duplicate (DUP)
1206392029	765771001(NonSDG) 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.

Calibration Information

Initial Calibration

Technical Information

Sample Dilutions
The following samples 1206392026 (BRA-BRGWC-33SDUP), 1206392027 (BRA-BRGWC-33SMS), 1206392028 (Non SDG 765771001DUP), 1206392029 (Non SDG 765771001MS) and 765722001 (BRA-PZ-81) 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	765722 001
Sulfate	20X

Miscellaneous Information

Manual Integrations
Samples 1206392028 (Non SDG 765771001DUP) and 1206392029 (Non SDG 765771001MS) 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# 23
Analytical Batch: 2952522

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

GEL Sample ID#	Client Sample Identification
765722001	BRA-PZ-81
1206391352	Method Blank (MB) **Batch 2952522**
1206391353	Laboratory Control Sample (LCS)
1206391354	765491014(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.

Calibration Information

Initial Calibration

Product: **Alkalinity**

Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2956752

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

GEL Sample ID#	Client Sample Identification
765722001	BRA-PZ-81
1206398330	Laboratory Control Sample (LCS) **Batch 2956752**
1206398331	765722001(BRA-PZ-81) Sample Duplicate (DUP)
1206398333	Laboratory Control Sample (LCS)
1206399979	765722001(BRA-PZ-81) 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.

Calibration Information

Initial Calibration

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206398331 (BRA-PZ-81DUP), 1206399979 (BRA-PZ-81MS) and 765722001 (BRA-PZ-81).

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
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

765722/765723 Chain of Custody and Analytical Request

GEL Work Order Number: GEL Project Manager: Abagail Martin

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 - Background
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: D. Johnson 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	Total. Carb. & Bicarb Alk. SM 2320B	Metals * EPA 6020, 6010, 7470 (NI)	Radium 226 & 228 SW-846 9315, 9320 (NI)		Cobalt only EPA 6020 (NI)					<-- Preservative Type (6)
BRA-PZ-81	02/24/26	1330	G	N	WG			5	✓	✓	✓	✓							BRA-CCR-OTH-20260224
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			

Comments
Note: extra sample is required for sample specific QC
Task_Code: ~~BRA-CCR-ASSMT-2026S1~~

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	Dave Jones	2/25/26	0747	[illegible]	2/25/26	7:47
2				Cmarmahon	2/25/26	12:08
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 0 °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: 765722 765723 | GEL PM: AM

Received By: CLM | Date Received at GEL: 2/25/26

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

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler 1	0°				
2	0°				
3	0°				

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 JJ Date 02/26/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 09 March 2026

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	2026-139
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	SC000122025-50
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

February 27, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Plant Branch Ash Ponds-Piezometers
Work Order: 764705

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 18, 2026. 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
764705001	BRA-PZ-18I	Ground Water	02/17/26 14:25	02/18/26 12:50
764705002	BRA-PZ-72I	Ground Water	02/17/26 14:35	02/18/26 12:50
764705003	BRA-PZ-73I	Ground Water	02/17/26 15:20	02/18/26 12:50
764705004	BRA-PZ-83I	Ground Water	02/17/26 16:05	02/18/26 12:50

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	19-FEB-2026

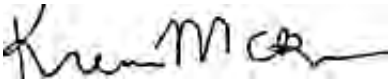
Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	19-FEB-2026
EPA 300.0	20-FEB-2026
SM 2540C	20-FEB-2026
SW846 3005A/6020B	26-FEB-2026
SW846 3005A/6020B	27-FEB-2026



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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 764705 GEL Work Order: 764705

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

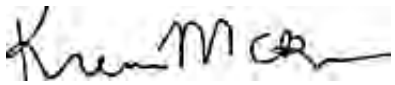
J Value is estimated

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, Abagail Martin.

Reviewed by 

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

Certificate of Analysis

Report Date: February 27, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds-Piezometers

Client Sample ID:	BRA-PZ-18I	Project:	GPCC01324
Sample ID:	764705001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	17-FEB-26 14:25		
Receive Date:	18-FEB-26		
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		6.06	0.0670	0.200	mg/L		1	CWW	02/19/26	1804	2949003	1
Fluoride		0.103	0.0330	0.100	mg/L		1					
Sulfate		502	6.65	20.0	mg/L		50	CWW	02/20/26	0648	2949003	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	PRB	02/26/26	2013	2948244	3
Boron		1.50	0.0520	0.150	mg/L	1.00	10	PRB	02/27/26	1250	2948244	4
Calcium		111	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		817	2.38	10.0	mg/L			SC1	02/20/26	1527	2948341	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/19/26	0830	2948243

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 27, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds-Piezometers

Client Sample ID:	BRA-PZ-72I	Project:	GPCC01324
Sample ID:	764705002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	17-FEB-26 14:35		
Receive Date:	18-FEB-26		
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		0.120	0.0330	0.100	mg/L		1	CWW	02/19/26	1836	2949003	1
Chloride		13.2	0.134	0.400	mg/L		2	CWW	02/20/26	0720	2949003	2
Sulfate		235	2.66	8.00	mg/L		20	CWW	02/20/26	0855	2949003	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium		0.0950	0.00150	0.00500	mg/L	1.00	1	PRB	02/26/26	2033	2948244	4
Boron		1.15	0.0520	0.150	mg/L	1.00	10	PRB	02/27/26	1256	2948244	5
Calcium		51.2	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		412	2.38	10.0	mg/L			SC1	02/20/26	1527	2948341	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/19/26	0830	2948243

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 27, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds-Piezometers

Client Sample ID:	BRA-PZ-73I	Project:	GPCC01324
Sample ID:	764705003	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	17-FEB-26 15:20		
Receive Date:	18-FEB-26		
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		6.23	0.0670	0.200	mg/L		1	CWW	02/19/26	2011	2949003	1
Fluoride	J	0.0565	0.0330	0.100	mg/L		1					
Sulfate		291	3.33	10.0	mg/L		25	CWW	02/20/26	1031	2949003	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	PRB	02/26/26	2036	2948244	3
Boron		1.66	0.0520	0.150	mg/L	1.00	10	PRB	02/27/26	1257	2948244	4
Calcium		67.5	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		464	2.38	10.0	mg/L			SC1	02/20/26	1527	2948341	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/19/26	0830	2948243

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 27, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds-Piezometers

Client Sample ID:	BRA-PZ-83I	Project:	GPCC01324
Sample ID:	764705004	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	17-FEB-26 16:05		
Receive Date:	18-FEB-26		
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		6.63	0.0670	0.200	mg/L		1	CWW	02/19/26	2043	2949003	1
Fluoride	J	0.0847	0.0330	0.100	mg/L		1					
Sulfate		424	5.32	16.0	mg/L		40	CWW	02/20/26	1103	2949003	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium		0.0720	0.00150	0.00500	mg/L	1.00	1	PRB	02/26/26	2039	2948244	3
Boron		1.58	0.0520	0.150	mg/L	1.00	10	PRB	02/27/26	1259	2948244	4
Calcium		82.9	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		691	2.38	10.0	mg/L			SC1	02/20/26	1527	2948341	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/19/26	0830	2948243

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
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: February 27, 2026

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

Contact: **Chris Tidwell**

Workorder: **764705**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2949003										
QC1206385449 764705002 DUP										
Chloride		13.2		13.2	mg/L	0.559		(0%-20%)	CWW	02/20/26 07:52
Fluoride		0.120		0.114	mg/L	4.7	^	(+/-0.100)		02/19/26 19:08
Sulfate		235		235	mg/L	0.29		(0%-20%)		02/20/26 09:27
QC1206385446 LCS										
Chloride	5.00			4.69	mg/L		93.8	(90%-110%)		02/19/26 17:00
Fluoride	2.50			2.46	mg/L		98.2	(90%-110%)		
Sulfate	10.0			9.60	mg/L		96	(90%-110%)		
QC1206385445 MB										
Chloride			U	ND	mg/L					02/19/26 16:29
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					
QC1206385450 764705002 MS										
Chloride	10.0	13.2		24.0	mg/L		108	(90%-110%)		02/20/26 08:24
Fluoride	2.50	0.120		2.56	mg/L		97.8	(90%-110%)		02/19/26 19:40
Sulfate	200	235		442	mg/L		103	(90%-110%)		02/20/26 09:59

QC Summary

Workorder: 764705

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2948244											
QC1206384114 LCS											
Boron	0.100				0.109	mg/L		109	(80%-120%)	PRB	02/26/26 20:11
Calcium	2.00				2.08	mg/L		104	(80%-120%)		
Selenium	0.0500				0.0474	mg/L		94.9	(80%-120%)		
QC1206384113 MB											
Boron				U	ND	mg/L					02/26/26 20:08
Calcium				U	ND	mg/L					
Selenium				U	ND	mg/L					
QC1206384115 764705001 MS											
Boron	0.100		1.50		1.65	mg/L		N/A	(75%-125%)		02/27/26 12:51
Calcium	2.00		111		118	mg/L		N/A	(75%-125%)		
Selenium	0.0500	U	ND		0.0524	mg/L		104	(75%-125%)		02/26/26 20:16
QC1206384116 764705001 MSD											
Boron	0.100		1.50		1.67	mg/L	1.44	N/A	(0%-20%)		02/27/26 12:53
Calcium	2.00		111		117	mg/L	0.586	N/A	(0%-20%)		
Selenium	0.0500	U	ND		0.0518	mg/L	1.15	103	(0%-20%)		02/26/26 20:19
QC1206384118 764705001 SDILT											
Boron			1500		1690	ug/L	13.1		(0%-20%)		02/27/26 12:54

QC Summary

Workorder: **764705**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2948244											
Calcium		111000		112000	ug/L	1.1			(0%-20%)	PRB	02/27/26 12:54
Selenium	U	ND	U	ND	ug/L	N/A			(0%-20%)		02/26/26 20:25
Solids Analysis											
Batch 2948341											
QC1206387103 764781001 DUP											
Total Dissolved Solids		241		219	mg/L	9.57	*		(0%-5%)	SC1	02/20/26 15:27
QC1206384295 LCS											
Total Dissolved Solids	300			289	mg/L			96.3	(95%-105%)		02/20/26 15:27
QC1206384294 MB											
Total Dissolved Solids			U	ND	mg/L						02/20/26 15:27

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

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 #: 764705

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2948244

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2948243

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

GEL Sample ID#	Client Sample Identification
764705001	BRA-PZ-18I
764705002	BRA-PZ-72I
764705003	BRA-PZ-73I
764705004	BRA-PZ-83I
1206384113	Method Blank (MB)**ICP-MS Batch 2948244**
1206384114	Laboratory Control Sample (LCS)
1206384118	764705001(BRA-PZ-18IL) Serial Dilution (SD)
1206384115	764705001(BRA-PZ-18IS) Matrix Spike (MS)
1206384116	764705001(BRA-PZ-18ISD) 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 were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	764705			
	001	**002**	**003**	**004**
Boron	10X	10X	10X	10X
Calcium	10X	10X	10X	10X

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2949003

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

GEL Sample ID#	Client Sample Identification
764705001	BRA-PZ-18I
764705002	BRA-PZ-72I
764705003	BRA-PZ-73I
764705004	BRA-PZ-83I
1206385445	Method Blank (MB) **Batch 2949003**
1206385446	Laboratory Control Sample (LCS)
1206385449	764705002(BRA-PZ-72I) Sample Duplicate (DUP)
1206385450	764705002(BRA-PZ-72I) 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.

Calibration Information

Initial Calibration

Technical Information

Sample Dilutions
The following samples 1206385449 (BRA-PZ-72IDUP), 1206385450 (BRA-PZ-72IMS), 764705001 (BRA-PZ-18I), 764705002 (BRA-PZ-72I), 764705003 (BRA-PZ-73I) and 764705004 (BRA-PZ-83I) 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	764705			
	001	002	003	004
Chloride	1X	2X	1X	1X
Sulfate	50X	20X	25X	40X

Miscellaneous Information

Manual Integrations
Samples 1206385449 (BRA-PZ-72IDUP), 1206385450 (BRA-PZ-72IMS), 764705001 (BRA-PZ-18I), 764705002 (BRA-PZ-72I), 764705003 (BRA-PZ-73I) and 764705004 (BRA-PZ-83I) 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# 23
Analytical Batch: 2948341

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

GEL Sample ID#	Client Sample Identification
764705001	BRA-PZ-18I
764705002	BRA-PZ-72I
764705003	BRA-PZ-73I
764705004	BRA-PZ-83I
1206384294	Method Blank (MB) **Batch 2948341**
1206384295	Laboratory Control Sample (LCS)
1206387103	764781001(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.

Calibration Information

Initial Calibration

Quality Control (QC) Information

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206387103 (Non SDG 764781001DUP)	9.57* (0%-5%)

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
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 764705 **GEL Project Manager: Abagail Martin**

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 - Piezometers
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: SB, PS, 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	NI									<-- Preservative Type (6)
BRA-PZ-18I	02/17/26	1425	G	N	WG			3	✓	✓										
BRA-PZ-72I	02/17/26	1435	G	N	WG			3	✓	✓										
BRA-PZ-73I	02/17/26	1520	G	N	WG			3	✓	✓										
BRA-PZ-83I	02/17/26	1605	G	N	WG			3	✓	✓										
BRA-																				
BRA-																				
BRA-																				
BRA-																				
BRA-																				

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-OTH-20260217

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		2/18/26	0814		2/18/26	0814
2		2/18/26	1250		2/18/26	1250
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,Se**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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: 764705	GEL PM: AM
Received By: KE	Date Received at GEL: 02/18/2026	

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

IR Temp gun # IR1-25 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler 1	0				
2	0				

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:
Time on Bra-PZ-831 (1602) does not match coc (1605)
Received Sample with ID "BRA" only with rest of ID crossed out. No time only sample that does not correspond with any other container is BRA-HRSC-01-SCRW (20-25)

PM (or PMA) review: Initials VM Date 2/19/26

☐ Continuation Form Required when selected

List of current GEL Certifications as of 27 February 2026

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	2026-139
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	SC000122025-50
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

March 05, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Plant Branch Ash Ponds- Piezometers
Work Order: 765184

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 20, 2026. 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
765184001	BRA-PZ-84I	Ground Water	02/18/26 10:10	02/20/26 14:43
765184002	BRA-PZ-69I	Ground Water	02/18/26 11:55	02/20/26 14:43
765184003	BRA-PZ-79	Ground Water	02/18/26 11:00	02/20/26 14:43
765184004	BRA-PZ-82I	Ground Water	02/18/26 10:45	02/20/26 14:43
765184005	BRA-PZ-75D	Ground Water	02/18/26 13:35	02/20/26 14:43

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

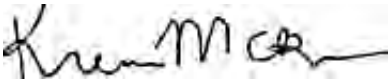
Method	Run Date ID
SW846 3005A	23-FEB-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	23-FEB-2026
EPA 300.0	24-FEB-2026
SM 2540C	25-FEB-2026
SW846 3005A/6020B	26-FEB-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765184 GEL Work Order: 765184

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

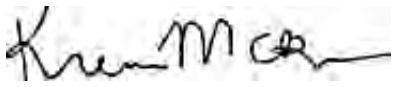
J Value is estimated

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, Abagail Martin.

Reviewed by 

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

Certificate of Analysis

Report Date: March 5, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- Piezometers

Client Sample ID:	BRA-PZ-84I	Project:	GPCC01324
Sample ID:	765184001	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 10:10		
Receive Date:	20-FEB-26		
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		5.88	0.0670	0.200	mg/L		1	TXT1	02/23/26	1615	2950383	1
Fluoride	J	0.0832	0.0330	0.100	mg/L		1					
Sulfate		372	3.33	10.0	mg/L		25	TXT1	02/24/26	0356	2950383	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium		0.0465	0.00150	0.00500	mg/L	1.00	1	BAJ	02/26/26	1729	2949896	3
Boron		1.51	0.104	0.300	mg/L	1.00	20	BAJ	02/27/26	1332	2949896	4
Calcium		90.5	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		646	2.38	10.0	mg/L			SC1	02/25/26	1412	2951697	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949895

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 5, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- Piezometers

Client Sample ID:	BRA-PZ-69I	Project:	GPCC01324
Sample ID:	765184002	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 11:55		
Receive Date:	20-FEB-26		
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		6.55	0.0670	0.200	mg/L		1	TXT1	02/23/26	1854	2950383	1
Fluoride	J	0.0776	0.0330	0.100	mg/L		1					
Sulfate		199	2.66	8.00	mg/L		20	TXT1	02/24/26	1212	2950383	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium		0.183	0.00150	0.00500	mg/L	1.00	1	BAJ	02/26/26	1749	2949896	3
Boron		1.26	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1337	2949896	4
Calcium		53.5	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		384	2.38	10.0	mg/L			SC1	02/25/26	1412	2951697	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949895

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 5, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- Piezometers

Client Sample ID:	BRA-PZ-79	Project:	GPCC01324
Sample ID:	765184003	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 11:00		
Receive Date:	20-FEB-26		
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		8.84	0.0670	0.200	mg/L		1	TXT1	02/23/26	1926	2950383	1
Fluoride		2.57	0.0330	0.100	mg/L		1					
Sulfate		706	6.65	20.0	mg/L		50	TXT1	02/24/26	1244	2950383	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium		0.00916	0.00150	0.00500	mg/L	1.00	1	BAJ	02/26/26	1752	2949896	3
Boron		2.16	0.104	0.300	mg/L	1.00	20	BAJ	02/27/26	1338	2949896	4
Calcium		230	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1250	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949895

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 5, 2026

Company :	Georgia Power Company, Southern Company
Address :	241 Ralph McGill Blvd NE, Bin 10160
	Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant BranchPlant Branch Ash Ponds- Piezometers

Client Sample ID:	BRA-PZ-82I	Project:	GPCC01324
Sample ID:	765184004	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 10:45		
Receive Date:	20-FEB-26		
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		5.66	0.0670	0.200	mg/L		1	TXT1	02/23/26	1958	2950383	1
Fluoride	J	0.0854	0.0330	0.100	mg/L		1					
Sulfate		270	2.66	8.00	mg/L		20	TXT1	02/24/26	0739	2950383	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium		0.136	0.00150	0.00500	mg/L	1.00	1	BAJ	02/26/26	1755	2949896	3
Boron		1.25	0.0520	0.150	mg/L	1.00	10	BAJ	02/27/26	1340	2949896	4
Calcium		69.8	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		487	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949895

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
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
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: March 5, 2026

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

Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant BranchPlant Branch Ash Ponds- Piezometers

Client Sample ID:	BRA-PZ-75D	Project:	GPCC01324
Sample ID:	765184005	Client ID:	GPCC002
Matrix:	WG		
Collect Date:	18-FEB-26 13:35		
Receive Date:	20-FEB-26		
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		3.16	0.0670	0.200	mg/L		1	TXT1	02/23/26	2029	2950383	1
Fluoride		0.539	0.0330	0.100	mg/L		1					
Sulfate		52.1	0.665	2.00	mg/L		5	TXT1	02/24/26	0810	2950383	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B "As Received"												
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	BAJ	02/26/26	1758	2949896	3
Boron		0.0409	0.00520	0.0150	mg/L	1.00	1	BAJ	02/27/26	1346	2949896	4
Calcium		57.3	0.800	2.00	mg/L	1.00	10	BAJ	02/27/26	1341	2949896	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		265	2.38	10.0	mg/L			SC1	02/25/26	1735	2951699	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	02/23/26	0830	2949895

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 3005A/6020B	
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

QC Summary

Report Date: March 5, 2026

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

Contact: **Chris Tidwell**

Workorder: **765184**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2950383												
QC1206387884 765184001 DUP												
Chloride			5.88		5.91	mg/L	0.573			(0%-20%)	TXT1	02/23/26 16:47
Fluoride		J	0.0832	J	0.0870	mg/L	4.47	^		(+/-0.100)		
Sulfate			372		374	mg/L	0.608			(0%-20%)		02/24/26 04:27
QC1206387881 LCS												
Chloride	5.00				4.62	mg/L			92.5	(90%-110%)		02/23/26 13:04
Fluoride	2.50				2.33	mg/L			93.2	(90%-110%)		
Sulfate	10.0				9.41	mg/L			94.1	(90%-110%)		
QC1206387880 MB												
Chloride				U	ND	mg/L						02/23/26 12:32
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1206387885 765184001 MS												
Chloride	5.00		5.88		11.2	mg/L			106	(90%-110%)		02/23/26 17:19
Fluoride	2.50	J	0.0832		2.38	mg/L			91.9	(90%-110%)		
Sulfate	250		372		631	mg/L			103	(90%-110%)		02/24/26 04:59

QC Summary

Workorder: **765184**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2949896										
QC1206387017 LCS										
Boron	0.100			0.115	mg/L		115	(80%-120%)	BAJ	02/27/26 13:31
Calcium	2.00			2.20	mg/L		110	(80%-120%)		
Selenium	0.0500			0.0531	mg/L		106	(80%-120%)		02/26/26 17:26
QC1206387016 MB										
Boron			U	ND	mg/L					02/27/26 13:30
Calcium			U	ND	mg/L					
Selenium			U	ND	mg/L					02/26/26 17:23
QC1206387018 765184001 MS										
Boron	0.100	1.51		1.54	mg/L		N/A	(75%-125%)		02/27/26 13:34
Calcium	2.00	90.5		90.4	mg/L		N/A	(75%-125%)		
Selenium	0.0500	0.0465		0.0957	mg/L		98.4	(75%-125%)		02/26/26 17:32
QC1206387019 765184001 MSD										
Boron	0.100	1.51		1.61	mg/L	4.66	N/A	(0%-20%)		02/27/26 13:35
Calcium	2.00	90.5		92.7	mg/L	2.5	N/A	(0%-20%)		
Selenium	0.0500	0.0465		0.0970	mg/L	1.37	101	(0%-20%)		02/26/26 17:35
QC1206387021 765184001 SDILT										
Boron		75.5		15.4	ug/L	1.61		(0%-20%)		02/27/26 13:36

QC Summary

Workorder: **765184**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2949896											
Calcium		4530		904	ug/L	.115			(0%-20%)	BAJ	02/27/26 13:36
Selenium		46.5		9.22	ug/L	.875			(0%-20%)		02/26/26 17:41
Solids Analysis											
Batch 2951697											
QC1206390009 764962002 DUP											
Total Dissolved Solids		11.0		16.0	mg/L	37	^		(+/-10.0)	SC1	02/25/26 14:12
QC1206390008 LCS											
Total Dissolved Solids	300			302	mg/L			101	(95%-105%)		02/25/26 14:12
QC1206390007 MB											
Total Dissolved Solids			U	ND	mg/L						02/25/26 14:12
Batch 2951699											
QC1206390013 764808008 DUP											
Total Dissolved Solids		394		395	mg/L	0.253			(0%-5%)	SC1	02/25/26 17:35
QC1206390012 LCS											
Total Dissolved Solids	300			299	mg/L			99.7	(95%-105%)		02/25/26 17:35
QC1206390011 MB											
Total Dissolved Solids			U	ND	mg/L						02/25/26 17:35

Notes:

The Qualifiers in this report are defined as follows:

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

J J Value is estimated

QC Summary

Workorder: **765184**

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

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 #: 765184

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2949896

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2949895

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

GEL Sample ID#	Client Sample Identification
765184001	BRA-PZ-84I
765184002	BRA-PZ-69I
765184003	BRA-PZ-79
765184004	BRA-PZ-82I
765184005	BRA-PZ-75D
1206387016	Method Blank (MB)**ICP-MS Batch 2949896**
1206387017	Laboratory Control Sample (LCS)
1206387021	765184001(BRA-PZ-84IL) Serial Dilution (SD)
1206387018	765184001(BRA-PZ-84IS) Matrix Spike (MS)
1206387019	765184001(BRA-PZ-84ISD) 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 were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	765184				
	001	**002**	**003**	**004**	**005**
Boron	20X	10X	20X	10X	

Calcium	20X	10X	20X	10X	10X

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2950383

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

GEL Sample ID#	Client Sample Identification
765184001	BRA-PZ-84I
765184002	BRA-PZ-69I
765184003	BRA-PZ-79
765184004	BRA-PZ-82I
765184005	BRA-PZ-75D
1206387880	Method Blank (MB) **Batch 2950383**
1206387881	Laboratory Control Sample (LCS)
1206387884	765184001(BRA-PZ-84I) Sample Duplicate (DUP)
1206387885	765184001(BRA-PZ-84I) 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.

Calibration Information

Initial Calibration

Technical Information

Sample Dilutions
The following samples 1206387884 (BRA-PZ-84IDUP), 1206387885 (BRA-PZ-84IMS), 765184001 (BRA-PZ-84I), 765184002 (BRA-PZ-69I), 765184003 (BRA-PZ-79), 765184004 (BRA-PZ-82I) and 765184005 (BRA-PZ-75D) 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	765184				
	001	**002**	**003**	**004**	**005**
Sulfate	25X	20X	50X	20X	5X

Sample Re-analysis
Samples 765184002 (BRA-PZ-69I) and 765184003 (BRA-PZ-79) were re-analyzed to verify the results.

Miscellaneous Information

Manual Integrations
Samples 1206387884 (BRA-PZ-84IDUP), 765184001 (BRA-PZ-84I), 765184002 (BRA-PZ-69I), 765184004 (BRA-PZ-82I) and 765184005 (BRA-PZ-75D) 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# 23
Analytical Batch: 2951697

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

GEL Sample ID#	Client Sample Identification
765184001	BRA-PZ-84I
765184002	BRA-PZ-69I
1206390007	Method Blank (MB) **Batch 2951697**
1206390008	Laboratory Control Sample (LCS)
1206390009	764962002(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.

Calibration Information

Initial Calibration

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2951699

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

GEL Sample ID#	Client Sample Identification
765184003	BRA-PZ-79
765184004	BRA-PZ-82I
765184005	BRA-PZ-75D
1206390011	Method Blank (MB) **Batch 2951699**
1206390012	Laboratory Control Sample (LCS)
1206390013	764808008(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.

Calibration Information

Initial Calibration

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
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

765184
Chain of Custody and Analytical Request
GEL Work Order Number: ***GEL Project Manager: Abagail Martin***

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 - Piezometers | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: SB, DS, 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.)	(7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010	NI								<-- Preservative Type (6)
BRA- PZ-84I	02/18/26	1010	G	N	WG			3	✓	✓									
BRA- PZ-69I	02/18/26	1155	G	N	WG			3	✓	✓									
BRA- PZ-79	02/18/26	1100	G	N	WG			3	✓	✓									
BRA- PZ-82I	02/18/26	1045	G	N	WG			3	✓	✓									
BRA- PZ-75D	02/18/26	1335	G	N	WG			3	✓	✓									
BRA-																			
BRA-																			
BRA-																			
BRA-																			

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-OTH-2026 0217

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		2/20/26	1443		2/20/26	1443
2						
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,Se**

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: 765184 | GEL PM: AM

Received By: EG | Date Received at GEL: 2/20/26

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other: | IR Temp gun # IR5-23 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).
1	0		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/23/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 05 March 2026

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	2026-139
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	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Pace Analytical Services, LLC
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March 27, 2026

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on February 19, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Lauren Fitzgerald, Geosyntec Consultans, Inc
Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Pace Analytical Services Asheville

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

Pace Analytical Services West Columbia

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

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SAMPLE SUMMARY

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92845013001	**BRA-LR-1(surface)**	Water	02/18/26 11:11	02/19/26 09:55
92845013002	**BRA-LR-1(mid)**	Water	02/18/26 11:15	02/19/26 09:55
92845013003	**BRA-LR-1(bottom)**	Water	02/18/26 11:18	02/19/26 09:55
92845013004	**BRA-LR+2(surface)**	Water	02/18/26 10:50	02/19/26 09:55
92845013005	**BRA-LR+2(mid)**	Water	02/18/26 10:54	02/19/26 09:55
92845013006	**BRA-LR+2A(surface)**	Water	02/18/26 10:58	02/19/26 09:55
92845013007	**BRA-LR+2A(mid)**	Water	02/18/26 11:03	02/19/26 09:55
92845013008	**BRA-LS+3A(surface)**	Water	02/18/26 10:42	02/19/26 09:55
92845013009	**BRA-LS+3(surface)**	Water	02/18/26 10:34	02/19/26 09:55
92845013010	**BRA-LS+3(mid)**	Water	02/18/26 10:40	02/19/26 09:55
92845013011	**BRA-LR+8A(surface)**	Water	02/18/26 11:41	02/19/26 09:55
92845013012	**BRA-LR+9A(surface)**	Water	02/18/26 11:45	02/19/26 09:55
92845013013	**BRA-LR+8(surface)**	Water	02/18/26 10:15	02/19/26 09:55
92845013014	**BRA-LR+8(mid)**	Water	02/18/26 10:17	02/19/26 09:55
92845013015	**BRA-LR+8(bottom)**	Water	02/18/26 10:20	02/19/26 09:55
92845013016	**BRA-LR+9(surface)**	Water	02/18/26 10:05	02/19/26 09:55
92845013017	**BRA-LR+9(mid)**	Water	02/18/26 10:10	02/19/26 09:55
92845013018	**BRA-LR+9(bottom)**	Water	02/18/26 10:12	02/19/26 09:55
92845013019	**BRA-LR+10(surface)**	Water	02/18/26 09:40	02/19/26 09:55
92845013020	**BRA-LR+10(mid)**	Water	02/18/26 09:43	02/19/26 09:55
92845013021	**BRA-LR+10(bottom)**	Water	02/18/26 09:46	02/19/26 09:55

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SAMPLE ANALYTE COUNT

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92845013001	**BRA-LR-1(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013002	**BRA-LR-1(mid)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013003	**BRA-LR-1(bottom)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013004	**BRA-LR+2(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013005	**BRA-LR+2(mid)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013006	**BRA-LR+2A(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013007	**BRA-LR+2A(mid)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013008	**BRA-LS+3A(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013009	**BRA-LS+3(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	CDM	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013010	**BRA-LS+3(mid)**	SM 2320B-2021	SMS	2	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	6	PASI-WC
92845013011	**BRA-LR+8A(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	5	PASI-WC
92845013012	**BRA-LR+9A(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	5	PASI-WC
92845013013	**BRA-LR+8(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW	5	PASI-WC
92845013014	**BRA-LR+8(mid)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW, LNV	5	PASI-WC
92845013015	**BRA-LR+8(bottom)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW, LNV	5	PASI-WC
92845013016	**BRA-LR+9(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW, LNV	5	PASI-WC
92845013017	**BRA-LR+9(mid)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW, LNV	5	PASI-WC
92845013018	**BRA-LR+9(bottom)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	BW, LNV	5	PASI-WC
92845013019	**BRA-LR+10(surface)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A

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SAMPLE ANALYTE COUNT

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	ARB, BW	6	PASI-WC
92845013020	**BRA-LR+10(mid)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	ARB, BW	6	PASI-WC
92845013021	**BRA-LR+10(bottom)**	SM 2320B-2021	SMS	2	PASI-A
		SM 2540C-2020	ACE	1	PASI-A
		EPA 9056A	CDC	3	PASI-A
		EPA 6020B	ARB, BW	6	PASI-WC

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR-1(surface) **Lab ID: 92845013001** Collected: 02/18/26 11:11 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.3**	mg/L	5.0	1		02/24/26 18:47		
Alkalinity, Total as CaCO3	**34.3**	mg/L	5.0	1		02/24/26 18:47		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**62.0**	mg/L	25.0	1		02/21/26 18:09		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 07:21	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 07:21	16984-48-8	
Sulfate	**2.6**	mg/L	1.0	1		02/20/26 07:21	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 05:34	7440-42-8	
Calcium	**5.9**	mg/L	0.40	1	02/25/26 11:38	03/06/26 16:01	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 05:34	7439-95-4	
Potassium	**2.4**	mg/L	0.40	1	02/25/26 11:38	03/06/26 05:34	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 05:34	7782-49-2	
Sodium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 05:34	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR-1(mid) **Lab ID: 92845013002** Collected: 02/18/26 11:15 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.2**	mg/L	5.0	1		02/24/26 19:05		
Alkalinity, Total as CaCO3	**34.2**	mg/L	5.0	1		02/24/26 19:05		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**64.0**	mg/L	25.0	1		02/21/26 18:09		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 08:04	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 08:04	16984-48-8	
Sulfate	**2.5**	mg/L	1.0	1		02/20/26 08:04	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 06:20	7440-42-8	
Calcium	**5.9**	mg/L	0.40	1	02/25/26 11:38	03/06/26 16:48	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 06:20	7439-95-4	
Potassium	**2.5**	mg/L	0.40	1	02/25/26 11:38	03/06/26 06:20	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 06:20	7782-49-2	
Sodium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/06/26 06:20	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR-1(bottom) **Lab ID: 92845013003** Collected: 02/18/26 11:18 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.4**	mg/L	5.0	1		02/24/26 19:19		
Alkalinity, Total as CaCO3	**34.4**	mg/L	5.0	1		02/24/26 19:19		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**54.0**	mg/L	25.0	1		02/21/26 18:09		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 08:19	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 08:19	16984-48-8	
Sulfate	**2.5**	mg/L	1.0	1		02/20/26 08:19	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 06:30	7440-42-8	
Calcium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 16:57	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 06:30	7439-95-4	
Potassium	**2.4**	mg/L	0.40	1	02/25/26 11:38	03/06/26 06:30	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 06:30	7782-49-2	
Sodium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 06:30	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+2(surface) **Lab ID: 92845013004** Collected: 02/18/26 10:50 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.8**	mg/L	5.0	1		02/24/26 19:25		
Alkalinity, Total as CaCO3	**34.8**	mg/L	5.0	1		02/24/26 19:25		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**63.0**	mg/L	25.0	1		02/21/26 18:12		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 08:33	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 08:33	16984-48-8	
Sulfate	**3.3**	mg/L	1.0	1		02/20/26 08:33	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 06:57	7440-42-8	
Calcium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/06/26 17:25	7440-70-2	
Magnesium	**2.6**	mg/L	0.050	1	02/25/26 11:38	03/06/26 06:57	7439-95-4	
Potassium	**2.4**	mg/L	0.40	1	02/25/26 11:38	03/06/26 06:57	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 06:57	7782-49-2	
Sodium	**5.7**	mg/L	0.40	1	02/25/26 11:38	03/06/26 06:57	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+2(mid) **Lab ID: 92845013005** Collected: 02/18/26 10:54 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.7**	mg/L	5.0	1		02/24/26 19:30		
Alkalinity, Total as CaCO3	**34.7**	mg/L	5.0	1		02/24/26 19:30		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**63.0**	mg/L	25.0	1		02/21/26 18:12		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 09:16	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 09:16	16984-48-8	
Sulfate	**3.2**	mg/L	1.0	1		02/20/26 09:16	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 07:07	7440-42-8	
Calcium	**5.8**	mg/L	0.40	1	02/25/26 11:38	03/06/26 17:34	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 07:07	7439-95-4	
Potassium	**2.3**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:07	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 07:07	7782-49-2	
Sodium	**5.9**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:07	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+2A(surface) **Lab ID: 92845013006** Collected: 02/18/26 10:58 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**33.8**	mg/L	5.0	1		02/27/26 12:58		
Alkalinity, Total as CaCO3	**33.8**	mg/L	5.0	1		02/27/26 12:58		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**63.0**	mg/L	25.0	1		02/21/26 18:12		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 09:30	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 09:30	16984-48-8	
Sulfate	**3.2**	mg/L	1.0	1		02/20/26 09:30	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 07:16	7440-42-8	
Calcium	**5.9**	mg/L	0.40	1	02/25/26 11:38	03/06/26 17:44	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 07:16	7439-95-4	
Potassium	**2.6**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:16	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 07:16	7782-49-2	
Sodium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:16	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+2A(mid) **Lab ID: 92845013007** Collected: 02/18/26 11:03 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.4**	mg/L	5.0	1		02/27/26 13:16		
Alkalinity, Total as CaCO3	**34.4**	mg/L	5.0	1		02/27/26 13:16		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**56.0**	mg/L	25.0	1		02/21/26 18:12		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 09:45	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 09:45	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 09:45	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 07:25	7440-42-8	
Calcium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/06/26 17:53	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 07:25	7439-95-4	
Potassium	**2.5**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:25	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 07:25	7782-49-2	
Sodium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:25	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LS+3A(surface) **Lab ID: 92845013008** Collected: 02/18/26 10:42 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**35.0**	mg/L	5.0	1		02/27/26 13:33		
Alkalinity, Total as CaCO3	**35.0**	mg/L	5.0	1		02/27/26 13:33		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**57.0**	mg/L	25.0	1		02/21/26 18:12		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 09:59	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 09:59	16984-48-8	
Sulfate	**3.4**	mg/L	1.0	1		02/20/26 09:59	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 07:35	7440-42-8	
Calcium	**6.3**	mg/L	0.40	1	02/25/26 11:38	03/06/26 18:02	7440-70-2	
Magnesium	**2.8**	mg/L	0.050	1	02/25/26 11:38	03/06/26 07:35	7439-95-4	
Potassium	**2.6**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:35	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 07:35	7782-49-2	
Sodium	**6.2**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:35	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LS+3(surface) **Lab ID: 92845013009** Collected: 02/18/26 10:34 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.7**	mg/L	5.0	1		02/27/26 13:57		
Alkalinity, Total as CaCO3	**34.7**	mg/L	5.0	1		02/27/26 13:57		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**57.0**	mg/L	25.0	1		02/21/26 18:12		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 10:13	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 10:13	16984-48-8	
Sulfate	**3.2**	mg/L	1.0	1		02/20/26 10:13	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 07:44	7440-42-8	
Calcium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/06/26 18:12	7440-70-2	
Magnesium	**2.8**	mg/L	0.050	1	02/25/26 11:38	03/06/26 07:44	7439-95-4	
Potassium	**2.6**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:44	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 07:44	7782-49-2	
Sodium	**6.3**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:44	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LS+3(mid) **Lab ID: 92845013010** Collected: 02/18/26 10:40 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**34.3**	mg/L	5.0	1		02/27/26 14:04		
Alkalinity, Total as CaCO3	**34.3**	mg/L	5.0	1		02/27/26 14:04		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**60.0**	mg/L	25.0	1		02/22/26 15:31		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.5**	mg/L	1.0	1		02/20/26 10:28	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 10:28	16984-48-8	
Sulfate	**3.2**	mg/L	1.0	1		02/20/26 10:28	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 07:53	7440-42-8	
Calcium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 18:21	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 07:53	7439-95-4	
Potassium	**2.6**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:53	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 07:53	7782-49-2	
Sodium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/06/26 07:53	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+8A(surface) **Lab ID: 92845013011** Collected: 02/18/26 11:41 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**32.4**	mg/L	5.0	1		02/27/26 14:10		
Alkalinity, Total as CaCO3	**32.4**	mg/L	5.0	1		02/27/26 14:10		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**53.0**	mg/L	25.0	1		02/22/26 15:31		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.6**	mg/L	1.0	1		02/20/26 10:42	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 10:42	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 10:42	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 08:03	7440-42-8	
Calcium	**5.4**	mg/L	0.40	1	02/25/26 11:38	03/06/26 18:30	7440-70-2	
Magnesium	**2.7**	mg/L	0.050	1	02/25/26 11:38	03/06/26 08:03	7439-95-4	
Potassium	**2.8**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:03	7440-09-7	
Sodium	**6.3**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:03	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+9A(surface) **Lab ID: 92845013012** Collected: 02/18/26 11:45 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**32.0**	mg/L	5.0	1		02/27/26 14:15		
Alkalinity, Total as CaCO3	**32.0**	mg/L	5.0	1		02/27/26 14:15		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**57.0**	mg/L	25.0	1		02/22/26 15:31		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.6**	mg/L	1.0	1		02/20/26 11:25	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 11:25	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 11:25	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 08:12	7440-42-8	
Calcium	**5.5**	mg/L	0.40	1	02/25/26 11:38	03/06/26 18:40	7440-70-2	
Magnesium	**2.6**	mg/L	0.050	1	02/25/26 11:38	03/06/26 08:12	7439-95-4	
Potassium	**2.6**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:12	7440-09-7	
Sodium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:12	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+8(surface) **Lab ID: 92845013013** Collected: 02/18/26 10:15 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**32.5**	mg/L	5.0	1		02/27/26 14:21		
Alkalinity, Total as CaCO3	**32.5**	mg/L	5.0	1		02/27/26 14:21		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**56.0**	mg/L	25.0	1		02/22/26 15:31		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.6**	mg/L	1.0	1		02/20/26 12:08	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 12:08	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 12:08	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 08:21	7440-42-8	
Calcium	**5.6**	mg/L	0.40	1	02/25/26 11:38	03/06/26 18:49	7440-70-2	
Magnesium	**2.5**	mg/L	0.050	1	02/25/26 11:38	03/06/26 08:21	7439-95-4	
Potassium	**2.7**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:21	7440-09-7	
Sodium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:21	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+8(mid) **Lab ID: 92845013014** Collected: 02/18/26 10:17 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**32.4**	mg/L	5.0	1		02/27/26 14:26		
Alkalinity, Total as CaCO3	**32.4**	mg/L	5.0	1		02/27/26 14:26		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**62.0**	mg/L	25.0	1		02/22/26 15:20		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.6**	mg/L	1.0	1		02/20/26 12:22	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 12:22	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 12:22	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 08:49	7440-42-8	
Calcium	**5.8**	mg/L	0.40	1	02/25/26 11:38	03/10/26 11:47	7440-70-2	
Magnesium	**2.4**	mg/L	0.050	1	02/25/26 11:38	03/06/26 08:49	7439-95-4	
Potassium	**2.7**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:49	7440-09-7	
Sodium	**5.9**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:49	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+8(bottom) **Lab ID: 92845013015** Collected: 02/18/26 10:20 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**31.6**	mg/L	5.0	1		02/27/26 14:31		
Alkalinity, Total as CaCO3	**31.6**	mg/L	5.0	1		02/27/26 14:31		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**67.0**	mg/L	25.0	1		02/22/26 15:20		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.6**	mg/L	1.0	1		02/20/26 12:37	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 12:37	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 12:37	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 08:58	7440-42-8	
Calcium	**6.3**	mg/L	0.40	1	02/25/26 11:38	03/10/26 11:50	7440-70-2	
Magnesium	**2.5**	mg/L	0.050	1	02/25/26 11:38	03/06/26 08:58	7439-95-4	
Potassium	**2.8**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:58	7440-09-7	
Sodium	**6.0**	mg/L	0.40	1	02/25/26 11:38	03/06/26 08:58	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+9(surface) **Lab ID: 92845013016** Collected: 02/18/26 10:05 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**31.5**	mg/L	5.0	1		02/27/26 14:37		
Alkalinity, Total as CaCO3	**31.5**	mg/L	5.0	1		02/27/26 14:37		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**60.0**	mg/L	25.0	1		02/22/26 15:20		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.6**	mg/L	1.0	1		02/20/26 12:51	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 12:51	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 12:51	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 09:08	7440-42-8	
Calcium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/10/26 11:53	7440-70-2	
Magnesium	**2.4**	mg/L	0.050	1	02/25/26 11:38	03/06/26 09:08	7439-95-4	
Potassium	**2.8**	mg/L	0.40	1	02/25/26 11:38	03/06/26 09:08	7440-09-7	
Sodium	**5.8**	mg/L	0.40	1	02/25/26 11:38	03/06/26 09:08	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+9(mid) **Lab ID: 92845013017** Collected: 02/18/26 10:10 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**31.9**	mg/L	5.0	1		02/27/26 14:42		
Alkalinity, Total as CaCO3	**31.9**	mg/L	5.0	1		02/27/26 14:42		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**62.0**	mg/L	25.0	1		02/22/26 15:21		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.8**	mg/L	1.0	1		02/20/26 13:05	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 13:05	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 13:05	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 09:17	7440-42-8	
Calcium	**6.3**	mg/L	0.40	1	02/25/26 11:38	03/10/26 11:56	7440-70-2	
Magnesium	**2.6**	mg/L	0.050	1	02/25/26 11:38	03/06/26 09:17	7439-95-4	
Potassium	**2.8**	mg/L	0.40	1	02/25/26 11:38	03/06/26 09:17	7440-09-7	
Sodium	**6.1**	mg/L	0.40	1	02/25/26 11:38	03/06/26 09:17	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+9(bottom) **Lab ID: 92845013018** Collected: 02/18/26 10:12 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**32.2**	mg/L	5.0	1		02/27/26 14:48		
Alkalinity, Total as CaCO3	**32.2**	mg/L	5.0	1		02/27/26 14:48		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**65.0**	mg/L	25.0	1		02/22/26 15:21		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**4.7**	mg/L	1.0	1		02/20/26 13:20	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 13:20	16984-48-8	
Sulfate	**3.0**	mg/L	1.0	1		02/20/26 13:20	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 11:38	03/06/26 09:26	7440-42-8	
Calcium	**6.2**	mg/L	0.40	1	02/25/26 11:38	03/10/26 12:00	7440-70-2	
Magnesium	**2.5**	mg/L	0.050	1	02/25/26 11:38	03/06/26 09:26	7439-95-4	
Potassium	**2.6**	mg/L	0.40	1	02/25/26 11:38	03/06/26 09:26	7440-09-7	
Sodium	**5.8**	mg/L	0.40	1	02/25/26 11:38	03/06/26 09:26	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+10(surface) **Lab ID: 92845013019** Collected: 02/18/26 09:40 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**29.0**	mg/L	5.0	1		02/27/26 15:01		
Alkalinity, Total as CaCO3	**29.0**	mg/L	5.0	1		02/27/26 15:01		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020 Pace Analytical Services - Asheville							
Total Dissolved Solids	**57.0**	mg/L	25.0	1		02/22/26 15:21		
9056 IC anions 28 Days	Analytical Method: EPA 9056A Pace Analytical Services - Asheville							
Chloride	**4.8**	mg/L	1.0	1		02/20/26 13:34	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 13:34	16984-48-8	
Sulfate	**3.3**	mg/L	1.0	1		02/20/26 13:34	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 19:26	03/20/26 12:03	7440-42-8	
Calcium	**5.9**	mg/L	0.40	1	02/25/26 19:26	03/13/26 13:41	7440-70-2	
Magnesium	**2.4**	mg/L	0.050	1	02/25/26 19:26	03/13/26 13:41	7439-95-4	
Potassium	**3.1**	mg/L	0.40	1	02/25/26 19:26	03/13/26 13:41	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 19:26	03/13/26 13:41	7782-49-2	
Sodium	**6.4**	mg/L	0.40	1	02/25/26 19:26	03/13/26 13:41	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+10(mid) **Lab ID: 92845013020** Collected: 02/18/26 09:43 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**28.4**	mg/L	5.0	1		02/27/26 15:06		
Alkalinity, Total as CaCO3	**28.4**	mg/L	5.0	1		02/27/26 15:06		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**100**	mg/L	25.0	1		02/22/26 15:21		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**13.4**	mg/L	1.0	1		02/20/26 13:48	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 13:48	16984-48-8	
Sulfate	**4.5**	mg/L	1.0	1		02/20/26 13:48	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 19:26	03/20/26 12:46	7440-42-8	
Calcium	**5.8**	mg/L	0.40	1	02/25/26 19:26	03/13/26 13:57	7440-70-2	
Magnesium	**3.0**	mg/L	0.050	1	02/25/26 19:26	03/13/26 13:57	7439-95-4	
Potassium	**3.3**	mg/L	0.40	1	02/25/26 19:26	03/13/26 13:57	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 19:26	03/13/26 13:57	7782-49-2	
Sodium	**11.9**	mg/L	0.40	1	02/25/26 19:26	03/13/26 13:57	7440-23-5	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Sample: BRA-LR+10(bottom) **Lab ID: 92845013021** Collected: 02/18/26 09:46 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity	Analytical Method: SM 2320B-2021							
	Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	**28.5**	mg/L	5.0	1		02/27/26 15:12		
Alkalinity, Total as CaCO3	**28.5**	mg/L	5.0	1		02/27/26 15:12		
2540C Total Dissolved Solids	Analytical Method: SM 2540C-2020							
	Pace Analytical Services - Asheville							
Total Dissolved Solids	**62.0**	mg/L	25.0	1		02/22/26 15:21		
9056 IC anions 28 Days	Analytical Method: EPA 9056A							
	Pace Analytical Services - Asheville							
Chloride	**6.7**	mg/L	1.0	1		02/20/26 03:02	16887-00-6	
Fluoride	ND	mg/L	0.10	1		02/20/26 03:02	16984-48-8	
Sulfate	**3.7**	mg/L	1.0	1		02/20/26 03:02	14808-79-8	
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
	Pace Analytical Services - West Columbia							
Boron	ND	mg/L	0.040	1	02/25/26 19:26	03/20/26 12:54	7440-42-8	
Calcium	**5.9**	mg/L	0.40	1	02/25/26 19:26	03/13/26 14:00	7440-70-2	
Magnesium	**2.6**	mg/L	0.050	1	02/25/26 19:26	03/13/26 14:00	7439-95-4	
Potassium	**3.2**	mg/L	0.40	1	02/25/26 19:26	03/13/26 14:00	7440-09-7	
Selenium	ND	mg/L	0.0050	1	02/25/26 19:26	03/13/26 14:00	7782-49-2	
Sodium	**7.9**	mg/L	0.40	1	02/25/26 19:26	03/13/26 14:00	7440-23-5	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 992820 | Analysis Method: SM 2320B-2021
QC Batch Method: SM 2320B-2021 | Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005

METHOD BLANK: 5103502 Matrix: Water
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/24/26 18:15	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	02/24/26 18:15	

LABORATORY CONTROL SAMPLE: 5103503

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

LABORATORY CONTROL SAMPLE: 5103504

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5103505 5103506

Parameter	Units	92844468010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	18.2	50	50	69.5	70.6	103	105	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5103507 5103508

Parameter	Units	92845013001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	34.3	50	50	83.9	84.6	99	101	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 993014
QC Batch Method: SM 2320B-2021
Analysis Method: SM 2320B-2021
Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92845013006, 92845013007, 92845013008, 92845013009, 92845013010, 92845013011, 92845013012, 92845013013, 92845013014, 92845013015, 92845013016, 92845013017, 92845013018, 92845013019, 92845013020, 92845013021

METHOD BLANK: 5104627 Matrix: Water
Associated Lab Samples: 92845013006, 92845013007, 92845013008, 92845013009, 92845013010, 92845013011, 92845013012, 92845013013, 92845013014, 92845013015, 92845013016, 92845013017, 92845013018, 92845013019, 92845013020, 92845013021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/27/26 12:40	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	02/27/26 12:40	

LABORATORY CONTROL SAMPLE: 5104628

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

LABORATORY CONTROL SAMPLE: 5104629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5104630 5104631

Parameter	Units	92845013006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	33.8	50	50	86.1	86.0	104	104	80-120	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5104632 5104633

Parameter	Units	92845013007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	34.4	50	50	86.1	85.0	103	101	80-120	1	25	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 992298
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005, 92845013006, 92845013007, 92845013008, 92845013009

METHOD BLANK: 5101590 Matrix: Water
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005, 92845013006, 92845013007, 92845013008, 92845013009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/21/26 18:06	

LABORATORY CONTROL SAMPLE: 5101591

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

SAMPLE DUPLICATE: 5101592

Parameter	Units	92844965003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	287	291	1	25	

SAMPLE DUPLICATE: 5101593

Parameter	Units	92844965007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 992421 | Analysis Method: SM 2540C-2020
QC Batch Method: SM 2540C-2020 | Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92845013010, 92845013011, 92845013012, 92845013013

METHOD BLANK: 5101897 Matrix: Water
Associated Lab Samples: 92845013010, 92845013011, 92845013012, 92845013013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/22/26 15:27	

LABORATORY CONTROL SAMPLE: 5101898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	236	94	90-110	

SAMPLE DUPLICATE: 5101899

Parameter	Units	92845115020 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 5101900

Parameter	Units	92844948012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	41.0	41.0	0	25	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 992422
QC Batch Method: SM 2540C-2020
Analysis Method: SM 2540C-2020
Analysis Description: 2540C Total Dissolved Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92845013014, 92845013015, 92845013016, 92845013017, 92845013018, 92845013019, 92845013020, 92845013021

METHOD BLANK: 5101901 Matrix: Water
Associated Lab Samples: 92845013014, 92845013015, 92845013016, 92845013017, 92845013018, 92845013019, 92845013020, 92845013021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	02/22/26 15:20	

LABORATORY CONTROL SAMPLE: 5101902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	248	99	90-110	

SAMPLE DUPLICATE: 5101903

Parameter	Units	92845013014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	62.0	53.0	16	25	

SAMPLE DUPLICATE: 5101904

Parameter	Units	92845027003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	67.0	70.0	4	25	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 992001
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005, 92845013006, 92845013007, 92845013008, 92845013009, 92845013010, 92845013011, 92845013012, 92845013013, 92845013014, 92845013015, 92845013016, 92845013017, 92845013018, 92845013019, 92845013020

METHOD BLANK: 5099760 Matrix: Water
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005, 92845013006, 92845013007, 92845013008, 92845013009, 92845013010, 92845013011, 92845013012, 92845013013, 92845013014, 92845013015, 92845013016, 92845013017, 92845013018, 92845013019, 92845013020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	02/20/26 01:09	
Fluoride	mg/L	ND	0.10	02/20/26 01:09	
Sulfate	mg/L	ND	1.0	02/20/26 01:09	

LABORATORY CONTROL SAMPLE: 5099761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.8	104	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5099762 5099763

Parameter	Units	92845013001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.5	50	50	55.6	57.4	102	106	90-110	3	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	95	99	90-110	4	10	
Sulfate	mg/L	2.6	50	50	53.7	55.4	102	106	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5099764 5099765

Parameter	Units	92845013011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.6	50	50	56.2	56.3	103	103	90-110	0	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	96	97	90-110	1	10	
Sulfate	mg/L	3.0	50	50	54.6	54.7	103	104	90-110	0	10	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 992004
QC Batch Method: EPA 9056A
Analysis Method: EPA 9056A
Analysis Description: 9056 IC anions 28 Days
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92845013021

METHOD BLANK: 5099796 Matrix: Water
Associated Lab Samples: 92845013021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	02/20/26 01:14	
Fluoride	mg/L	ND	0.10	02/20/26 01:14	
Sulfate	mg/L	ND	1.0	02/20/26 01:14	

LABORATORY CONTROL SAMPLE: 5099797

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5099798 5099799

Parameter	Units	92844968001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	12.9	50	50	65.5	65.7	105	106	90-110	0	10	
Fluoride	mg/L	111 ug/L	2.5	2.5	2.6	2.6	100	101	90-110	1	10	
Sulfate	mg/L	9.7	50	50	62.1	62.4	105	105	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5099800 5099801

Parameter	Units	92844965003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.5	50	50	62.0	63.0	103	105	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.4	2.5	96	98	90-110	1	10	
Sulfate	mg/L	6.3	50	50	57.8	58.8	103	105	90-110	2	10	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 992972
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005, 92845013006, 92845013007, 92845013008, 92845013009, 92845013010, 92845013011, 92845013012, 92845013013, 92845013014, 92845013015, 92845013016, 92845013017, 92845013018

METHOD BLANK: 5104526 Matrix: Water
Associated Lab Samples: 92845013001, 92845013002, 92845013003, 92845013004, 92845013005, 92845013006, 92845013007, 92845013008, 92845013009, 92845013010, 92845013011, 92845013012, 92845013013, 92845013014, 92845013015, 92845013016, 92845013017, 92845013018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	03/06/26 05:06	
Calcium	mg/L	ND	0.40	03/06/26 15:33	
Magnesium	mg/L	ND	0.050	03/06/26 05:06	
Potassium	mg/L	ND	0.40	03/06/26 05:06	
Selenium	mg/L	ND	0.0050	03/06/26 05:06	
Sodium	mg/L	ND	0.40	03/06/26 05:06	

LABORATORY CONTROL SAMPLE: 5104527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.1	0.097	97	80-120	
Calcium	mg/L	1	0.97	97	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Potassium	mg/L	1	0.88	88	80-120	
Selenium	mg/L	0.1	0.087	87	80-120	
Sodium	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5104532 5104533

Parameter	Units	92845013001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.1	0.1	0.11	0.11	96	98	75-125	2	20	
Calcium	mg/L	5.9	1	1	6.8	7.0	88	106	75-125	3	20	
Magnesium	mg/L	2.7	1	1	3.6	3.7	93	95	75-125	1	20	
Potassium	mg/L	2.4	1	1	3.2	3.3	82	93	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.099	102	99	75-125	2	20	
Sodium	mg/L	6.0	1	1	6.7	6.9	77	94	75-125	3	20	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

QC Batch: 993102
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92845013019, 92845013020, 92845013021

METHOD BLANK: 5104981 Matrix: Water
Associated Lab Samples: 92845013019, 92845013020, 92845013021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	03/20/26 11:45	
Calcium	mg/L	ND	0.40	03/13/26 13:35	
Magnesium	mg/L	ND	0.050	03/13/26 13:35	
Potassium	mg/L	ND	0.40	03/13/26 13:35	
Selenium	mg/L	ND	0.0050	03/13/26 13:35	
Sodium	mg/L	ND	0.40	03/13/26 13:35	

LABORATORY CONTROL SAMPLE: 5104982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	0.1	0.098	98	80-120	
Calcium	mg/L	1	1.0	104	80-120	
Magnesium	mg/L	1	1.0	102	80-120	
Potassium	mg/L	1	1.1	106	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Sodium	mg/L	1	1.1	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5104983 5104984

Parameter	Units	92845013019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	ND	0.1	0.1	0.12	0.12	105	102	75-125	3	20	
Calcium	mg/L	5.9	1	1	6.9	6.7	104	82	75-125	3	20	
Magnesium	mg/L	2.4	1	1	3.5	3.4	106	100	75-125	2	20	
Potassium	mg/L	3.1	1	1	4.1	4.0	107	94	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.10	106	104	75-125	2	20	
Sodium	mg/L	6.4	1	1	7.5	7.2	105	79	75-125	4	20	

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QUALIFIERS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92845013001	**BRA-LR-1(surface)**	SM 2320B-2021	992820		
92845013002	**BRA-LR-1(mid)**	SM 2320B-2021	992820		
92845013003	**BRA-LR-1(bottom)**	SM 2320B-2021	992820		
92845013004	**BRA-LR+2(surface)**	SM 2320B-2021	992820		
92845013005	**BRA-LR+2(mid)**	SM 2320B-2021	992820		
92845013006	**BRA-LR+2A(surface)**	SM 2320B-2021	993014		
92845013007	**BRA-LR+2A(mid)**	SM 2320B-2021	993014		
92845013008	**BRA-LS+3A(surface)**	SM 2320B-2021	993014		
92845013009	**BRA-LS+3(surface)**	SM 2320B-2021	993014		
92845013010	**BRA-LS+3(mid)**	SM 2320B-2021	993014		
92845013011	**BRA-LR+8A(surface)**	SM 2320B-2021	993014		
92845013012	**BRA-LR+9A(surface)**	SM 2320B-2021	993014		
92845013013	**BRA-LR+8(surface)**	SM 2320B-2021	993014		
92845013014	**BRA-LR+8(mid)**	SM 2320B-2021	993014		
92845013015	**BRA-LR+8(bottom)**	SM 2320B-2021	993014		
92845013016	**BRA-LR+9(surface)**	SM 2320B-2021	993014		
92845013017	**BRA-LR+9(mid)**	SM 2320B-2021	993014		
92845013018	**BRA-LR+9(bottom)**	SM 2320B-2021	993014		
92845013019	**BRA-LR+10(surface)**	SM 2320B-2021	993014		
92845013020	**BRA-LR+10(mid)**	SM 2320B-2021	993014		
92845013021	**BRA-LR+10(bottom)**	SM 2320B-2021	993014		
92845013001	**BRA-LR-1(surface)**	SM 2540C-2020	992298		
92845013002	**BRA-LR-1(mid)**	SM 2540C-2020	992298		
92845013003	**BRA-LR-1(bottom)**	SM 2540C-2020	992298		
92845013004	**BRA-LR+2(surface)**	SM 2540C-2020	992298		
92845013005	**BRA-LR+2(mid)**	SM 2540C-2020	992298		
92845013006	**BRA-LR+2A(surface)**	SM 2540C-2020	992298		
92845013007	**BRA-LR+2A(mid)**	SM 2540C-2020	992298		
92845013008	**BRA-LS+3A(surface)**	SM 2540C-2020	992298		
92845013009	**BRA-LS+3(surface)**	SM 2540C-2020	992298		
92845013010	**BRA-LS+3(mid)**	SM 2540C-2020	992421		
92845013011	**BRA-LR+8A(surface)**	SM 2540C-2020	992421		
92845013012	**BRA-LR+9A(surface)**	SM 2540C-2020	992421		
92845013013	**BRA-LR+8(surface)**	SM 2540C-2020	992421		
92845013014	**BRA-LR+8(mid)**	SM 2540C-2020	992422		
92845013015	**BRA-LR+8(bottom)**	SM 2540C-2020	992422		
92845013016	**BRA-LR+9(surface)**	SM 2540C-2020	992422		
92845013017	**BRA-LR+9(mid)**	SM 2540C-2020	992422		
92845013018	**BRA-LR+9(bottom)**	SM 2540C-2020	992422		
92845013019	**BRA-LR+10(surface)**	SM 2540C-2020	992422		
92845013020	**BRA-LR+10(mid)**	SM 2540C-2020	992422		
92845013021	**BRA-LR+10(bottom)**	SM 2540C-2020	992422		
92845013001	**BRA-LR-1(surface)**	EPA 9056A	992001		
92845013002	**BRA-LR-1(mid)**	EPA 9056A	992001		
92845013003	**BRA-LR-1(bottom)**	EPA 9056A	992001		
92845013004	**BRA-LR+2(surface)**	EPA 9056A	992001		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845013

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92845013005	**BRA-LR+2(mid)**	EPA 9056A	992001		
92845013006	**BRA-LR+2A(surface)**	EPA 9056A	992001		
92845013007	**BRA-LR+2A(mid)**	EPA 9056A	992001		
92845013008	**BRA-LS+3A(surface)**	EPA 9056A	992001		
92845013009	**BRA-LS+3(surface)**	EPA 9056A	992001		
92845013010	**BRA-LS+3(mid)**	EPA 9056A	992001		
92845013011	**BRA-LR+8A(surface)**	EPA 9056A	992001		
92845013012	**BRA-LR+9A(surface)**	EPA 9056A	992001		
92845013013	**BRA-LR+8(surface)**	EPA 9056A	992001		
92845013014	**BRA-LR+8(mid)**	EPA 9056A	992001		
92845013015	**BRA-LR+8(bottom)**	EPA 9056A	992001		
92845013016	**BRA-LR+9(surface)**	EPA 9056A	992001		
92845013017	**BRA-LR+9(mid)**	EPA 9056A	992001		
92845013018	**BRA-LR+9(bottom)**	EPA 9056A	992001		
92845013019	**BRA-LR+10(surface)**	EPA 9056A	992001		
92845013020	**BRA-LR+10(mid)**	EPA 9056A	992001		
92845013021	**BRA-LR+10(bottom)**	EPA 9056A	992004		
92845013001	**BRA-LR-1(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013002	**BRA-LR-1(mid)**	EPA 3005A	992972	EPA 6020B	995536
92845013003	**BRA-LR-1(bottom)**	EPA 3005A	992972	EPA 6020B	995536
92845013004	**BRA-LR+2(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013005	**BRA-LR+2(mid)**	EPA 3005A	992972	EPA 6020B	995536
92845013006	**BRA-LR+2A(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013007	**BRA-LR+2A(mid)**	EPA 3005A	992972	EPA 6020B	995536
92845013008	**BRA-LS+3A(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013009	**BRA-LS+3(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013010	**BRA-LS+3(mid)**	EPA 3005A	992972	EPA 6020B	995536
92845013011	**BRA-LR+8A(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013012	**BRA-LR+9A(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013013	**BRA-LR+8(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013014	**BRA-LR+8(mid)**	EPA 3005A	992972	EPA 6020B	995536
92845013015	**BRA-LR+8(bottom)**	EPA 3005A	992972	EPA 6020B	995536
92845013016	**BRA-LR+9(surface)**	EPA 3005A	992972	EPA 6020B	995536
92845013017	**BRA-LR+9(mid)**	EPA 3005A	992972	EPA 6020B	995536
92845013018	**BRA-LR+9(bottom)**	EPA 3005A	992972	EPA 6020B	995536
92845013019	**BRA-LR+10(surface)**	EPA 3005A	993102	EPA 6020B	996524
92845013020	**BRA-LR+10(mid)**	EPA 3005A	993102	EPA 6020B	996524
92845013021	**BRA-LR+10(bottom)**	EPA 3005A	993102	EPA 6020B	996524

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110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92845013

PM: MP Due Date: 02/26/26

CLIENT: GA-ArcadAtl

Scan QR code to: ...

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd Suite 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Branch-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-BCD	Purchase Order # (if applicable):	GPC82474-0005
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

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

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW) Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Se only	App. III Metals + Salts	Alkalinity (Total/BiCarb), Cl, F, SO4	TDS	Sample Comment
BRA-LR-1(surface)	WS	G	2/18/26	1111						X	X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR-1(mid)	WS	G	2/18/26	1115						X	X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR-1(bottom)	WS	G	2/18/26	1118						X	X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+2(surface)	WS	G	2/18/26	1050						X	X	X	X	
BRA-LR+2(mid)	WS	G	2/18/26	1054						X	X	X	X	
BRA-LR+2A(surface)	WS	G	2/18/26	1058						X	X	X	X	
BRA-LR+2A(mid)	WS	G	2/18/26	1103						X	X	X	X	
BRA-LS+3A(surface)	WS	G	2/18/26	1042						X	X	X	X	
BRA-LS+3(surface)	WS	G	2/18/26	1034						X	X	X	X	
BRA-LS+3(mid)	WS	G	2/18/26	1040						X	X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12769

Prelog / Bottle Ord. ID: EZ 3372229

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-2026S1

Collected By: (Printed Name) Grant G.

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	2/19/26 0955		2/19/26 0955	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 3

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92845013

92845013

Company Name:	ARCADIS US, Inc. - Atlanta
Street Address:	2839 Paces Ferry Rd Suite 900 Atlanta, GA 30339
Customer Project #:	
Project Name:	Plant Branch-CCR Ash Pond
Site Collection Info/Facility ID (as applicable):	AP-BCD

Contact/Report To:	Priya Johnson
Phone #:	(618)790-6528
E-Mail:	priya.johnson@arcadis.com
Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Invoice To:	Accounts Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0005
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

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

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

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

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Se only	App. III Metals + Salts	Alkalinity (Total/BiCarb), Cl, F, SO4	TDS	Sample Comment
BRA-LR+8A(surface)	WS	G	2/18/26	1141			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+9A(surface)	WS	G	2/18/26	1145			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+8(surface)	WS	G	2/18/26	1015			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+8(mid)	WS	G	2/18/26	1017			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+8(bottom)	WS	G	2/18/26	1020			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+9(surface)	WS	G	2/18/26	1005			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+9(mid)	WS	G	2/18/26	1010			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+9(bottom)	WS	G	2/18/26	1012			3				X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+10(surface)	WS	G	2/18/26	0940			3			X	X	X	X	Run once; report twice, Cobalt on separate report
BRA-LR+10(mid)	WS	G	2/18/26	0943			3			X	X	X	X	Run once; report twice, Cobalt on separate report

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only

Proj. Mgr: **Maiya Parks**
AcctNum / Client ID:
Table #:
Profile / Template: **12769**
Prelog / Bottle Ord. ID: **EZ 3372229**

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-202651

Collected By: (Printed Name) Garrett G
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: | Thermometer ID: | Correction Factor (°C): | Obs. Temp. (°C) | Corrected Temp. (°C) | On Ice:

Relinquished by/Company: (Signature)	Date/Time: 2/19/26 0955	Received by/Company: (Signature)	Date/Time: 2/19/26 0955	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 3

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 92845013

PM: MP **Due Date: 02/26/26**

CLIENT: GA-ArcadAtl

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd Suite 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Branch-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-BCD	Purchase Order # (if applicable):	GPC82474-0005
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

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

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Se only	App. III Metals + Salts	Alkalinity (Total/BiCarb), Cl, F, SO4	TDS	Sample Comment
BRA-LR+10(bottom)	WS	G	2/18/26	0946			3			X	X	X		Run once; report twice, Cobalt on separate report

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

** 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only

Proj. Mgr: Maiya Parks

AcctNum / Client ID:

Table #:

Profile / Template: 12769

Prelog / Bottle Ord. ID: EZ 3372229

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-2026S1

Collected By: (Printed Name) Garrett Gr

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
/ Arcadis	02/19/26 / 0855		2/19/26 0935	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 3 of 3

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Arcad.c)

Project #: WO# : 92845013

PM: MP Due Date: 02/26/26

CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/19/26 CH

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 214

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.5 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 3.5

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

WO#: 92845013

PM: MP Due Date: 02/26/26

CLIENT: GA-ArcadAtl

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

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

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client Arcadis Profile/EZ (Circle one) 3372229 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC			AS				W																						
1			2				1																						
2			2				1																						
3			2				1																						
4			2				1																						
5			2				1																						
6			2				1																						
7			2				1																						
8			2				1																						
9			2				1																						
10			2				1																						
11			2				1																						
12			2				1																						

pH Adjustment Log for Preserved Samples

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

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

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

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

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92845013**

PM: MP Due Date: 02/26/26

CLIENT: GA-ArcadAtl

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☑ Kernersville ☐

Client Arcad.cs Profile/EZ (circle one) 3372229 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC			AS				WC																						
1			2				1																						
2			2				1																						
3			2				1																						
4			2				1																						
5			2				1																						
6			2				1																						
7			2				1																						
8			2				1																						
9			2				1																						
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

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

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

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

April 01, 2026

Priya Rachel Johnson
ARCADIS US, Inc. - Atlanta
2839 Paces Ferry Rd
Suite 900
Atlanta, GA 30339

RE: Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Dear Priya Johnson:

Enclosed are the analytical results for sample(s) received by the laboratory on February 19, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - West Columbia

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

Sincerely,

Maiya Parks
maiya.parks@pacelabs.com
770-734-4205
Project Manager

Enclosures

cc: Joju Abraham, Georgia Power-CCR
Lauren Fitzgerald, Geosyntec Consultans, Inc
Jordan Gamble, ARCADIS US, Inc. - Atlanta
Ben Hodges, Southern Company
Laura Midkiff, Southern Company
Caroline Nelson, Geosyntec Consultants, Inc
Noelia Muskus Ruiz, Georgia Power
Tina Sullivan, ERM

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92845062001	**BRA-LR-1(surface)**	Water	02/18/26 11:11	02/19/26 09:55
92845062002	**BRA-LR-1(mid)**	Water	02/18/26 11:15	02/19/26 09:55
92845062003	**BRA-LR-1(bottom)**	Water	02/18/26 11:18	02/19/26 09:55
92845062004	**BRA-LR+8A(surface)**	Water	02/18/26 11:41	02/19/26 09:55
92845062005	**BRA-LR+9A(surface)**	Water	02/18/26 11:45	02/19/26 09:55
92845062006	**BRA-LR+8(surface)**	Water	02/18/26 10:15	02/19/26 09:55
92845062007	**BRA-LR+8(mid)**	Water	02/18/26 10:17	02/19/26 09:55
92845062008	**BRA-LR+8(bottom)**	Water	02/18/26 10:20	02/19/26 09:55
92845062009	**BRA-LR+9(surface)**	Water	02/18/26 10:05	02/19/26 09:55
92845062010	**BRA-LR+9(mid)**	Water	02/18/26 10:10	02/19/26 09:55
92845062011	**BRA-LR+9(bottom)**	Water	02/18/26 10:12	02/19/26 09:55
92845062012	**BRA-LR+10(surface)**	Water	02/18/26 09:40	02/19/26 09:55
92845062013	**BRA-LR+10(mid)**	Water	02/18/26 09:43	02/19/26 09:55
92845062014	**BRA-LR+10(bottom)**	Water	02/18/26 09:46	02/19/26 09:55

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SAMPLE ANALYTE COUNT

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92845062001	**BRA-LR-1(surface)**	EPA 6020B	BW	1	PASI-WC
92845062002	**BRA-LR-1(mid)**	EPA 6020B	BW	1	PASI-WC
92845062003	**BRA-LR-1(bottom)**	EPA 6020B	BW	1	PASI-WC
92845062004	**BRA-LR+8A(surface)**	EPA 6020B	BW	1	PASI-WC
92845062005	**BRA-LR+9A(surface)**	EPA 6020B	BW	1	PASI-WC
92845062006	**BRA-LR+8(surface)**	EPA 6020B	BW	1	PASI-WC
92845062007	**BRA-LR+8(mid)**	EPA 6020B	BW	1	PASI-WC
92845062008	**BRA-LR+8(bottom)**	EPA 6020B	BW	1	PASI-WC
92845062009	**BRA-LR+9(surface)**	EPA 6020B	BW	1	PASI-WC
92845062010	**BRA-LR+9(mid)**	EPA 6020B	BW	1	PASI-WC
92845062011	**BRA-LR+9(bottom)**	EPA 6020B	BW	1	PASI-WC
92845062012	**BRA-LR+10(surface)**	EPA 6020B	ARB	1	PASI-WC
92845062013	**BRA-LR+10(mid)**	EPA 6020B	ARB	1	PASI-WC
92845062014	**BRA-LR+10(bottom)**	EPA 6020B	ARB	1	PASI-WC

PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR-1(surface) **Lab ID: 92845062001** Collected: 02/18/26 11:11 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 05:34	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR-1(mid) **Lab ID: 92845062002** Collected: 02/18/26 11:15 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 06:20	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR-1(bottom) **Lab ID: 92845062003** Collected: 02/18/26 11:18 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 06:30	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+8A(surface) **Lab ID: 92845062004** Collected: 02/18/26 11:41 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 08:03	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+9A(surface) **Lab ID: 92845062005** Collected: 02/18/26 11:45 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 08:12	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+8(surface) **Lab ID: 92845062006** Collected: 02/18/26 10:15 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 08:21	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+8(mid) **Lab ID: 92845062007** Collected: 02/18/26 10:17 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 08:49	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+8(bottom) **Lab ID: 92845062008** Collected: 02/18/26 10:20 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 08:58	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+9(surface) **Lab ID: 92845062009** Collected: 02/18/26 10:05 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 09:08	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+9(mid) **Lab ID: 92845062010** Collected: 02/18/26 10:10 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 09:17	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+9(bottom) **Lab ID: 92845062011** Collected: 02/18/26 10:12 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 11:38	03/06/26 09:26	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+10(surface) **Lab ID: 92845062012** Collected: 02/18/26 09:40 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 19:26	03/13/26 13:41	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+10(mid) **Lab ID: 92845062013** Collected: 02/18/26 09:43 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 19:26	03/13/26 13:57	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Sample: BRA-LR+10(bottom) **Lab ID: 92845062014** Collected: 02/18/26 09:46 Received: 02/19/26 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
WC 6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - West Columbia							
Cobalt	ND	mg/L	0.0050	1	02/25/26 19:26	03/13/26 14:00	7440-48-4	

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

QC Batch: 993849
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92845062001, 92845062002, 92845062003, 92845062004, 92845062005, 92845062006, 92845062007, 92845062008, 92845062009, 92845062010, 92845062011

METHOD BLANK: 5109308 Matrix: Water
Associated Lab Samples: 92845062001, 92845062002, 92845062003, 92845062004, 92845062005, 92845062006, 92845062007, 92845062008, 92845062009, 92845062010, 92845062011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0050	03/06/26 05:06	

LABORATORY CONTROL SAMPLE: 5109309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.1	0.11	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5109310 5109311

Parameter	Units	92845062006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.1	0.1	0.10	0.11	103	106	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

QC Batch: 1000412
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: WC 6020B MET
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92845062012, 92845062013, 92845062014

METHOD BLANK: 5143898 Matrix: Water
Associated Lab Samples: 92845062012, 92845062013, 92845062014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cobalt	mg/L	ND	0.0050	03/13/26 13:35	

LABORATORY CONTROL SAMPLE: 5143899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cobalt	mg/L	0.1	0.11	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5143900 5143901

Parameter	Units	92845062012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	111	107	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 993849

[1] "same as" batch

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Branch-CCR Ash Pond
Pace Project No.: 92845062

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92845062001	**BRA-LR-1(surface)**	EPA 3005A	993849	EPA 6020B	999801
92845062002	**BRA-LR-1(mid)**	EPA 3005A	993849	EPA 6020B	999801
92845062003	**BRA-LR-1(bottom)**	EPA 3005A	993849	EPA 6020B	999801
92845062004	**BRA-LR+8A(surface)**	EPA 3005A	993849	EPA 6020B	999801
92845062005	**BRA-LR+9A(surface)**	EPA 3005A	993849	EPA 6020B	999801
92845062006	**BRA-LR+8(surface)**	EPA 3005A	993849	EPA 6020B	999801
92845062007	**BRA-LR+8(mid)**	EPA 3005A	993849	EPA 6020B	999801
92845062008	**BRA-LR+8(bottom)**	EPA 3005A	993849	EPA 6020B	999801
92845062009	**BRA-LR+9(surface)**	EPA 3005A	993849	EPA 6020B	999801
92845062010	**BRA-LR+9(mid)**	EPA 3005A	993849	EPA 6020B	999801
92845062011	**BRA-LR+9(bottom)**	EPA 3005A	993849	EPA 6020B	999801
92845062012	**BRA-LR+10(surface)**	EPA 3005A	1000412	EPA 6020B	1000432
92845062013	**BRA-LR+10(mid)**	EPA 3005A	1000412	EPA 6020B	1000432
92845062014	**BRA-LR+10(bottom)**	EPA 3005A	1000412	EPA 6020B	1000432

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Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92845062

92845062

Company Name:	ARCADIS US, Inc. - Atlanta	Contact/Report To:	Priya Johnson
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339	Phone #:	(618)790-6528
		E-Mail:	priya.johnson@arcadis.com
		Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Customer Project #:			
Project Name:	Plant Branch-CCR Ash Pond	Invoice To:	Accounts Payable
		Invoice E-Mail:	georgiapowerinvoices@southernco.com
Site Collection Info/Facility ID (as applicable):	AP-BCD	Purchase Order # (if applicable):	GPC82474-0005
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

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

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

** 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only

Proj. Mgr: **Maiya Parks**

AcctNum / Client ID:

Table #:

Profile / Template: **12769**

Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co only	Sample Comment
BRA-LR-1(surface)	WS	G	2/18/26	1111			0			X	Run once; report twice, Selenium on separate
BRA-LR-1(mid)	WS	G	2/18/26	1115			0			X	Run once; report twice, Selenium on separate
BRA-LR-1(bottom)	WS	G	2/18/26	1118			0			X	Run once; report twice, Selenium on separate
BRA-LR+8A(surface)	WS	G	2/18/26	1141			1			X	
BRA-LR+9A(surface)	WS	G	2/18/26	1145			1			X	
BRA-LR+8(surface)	WS	G	2/18/26	1615			1			X	
BRA-LR+8(mid)	WS	G	2/18/26	1617			1			X	
BRA-LR+8(bottom)	WS	G	2/18/26	1020			1			X	
BRA-LR+9(surface)	WS	G	2/18/26	1005			1			X	
BRA-LR+9(mid)	WS	G	2/18/26	1010			1			X	

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-202651

Collected By:
(Printed Name) Garrett G.
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature) Arcadis	Date/Time: 2/19/26 0955	Received by/Company: (Signature)	Date/Time: 2/19/26 0955	Tracking Number:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In-Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Pace® Location Requested (City/State):
Pace Analytical Peachtree Corners
110 Technology Pkwy, Peachtree Corners, GA 30092

CHAIN-OF-CUSTODY Analytical Request Document

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

WO# : 92845062

PM: MP **Due Date: 02/26/26**

CLIENT: GA-ArcadAtl

Company Name:	ARCADIS US, Inc. - Atlanta
Street Address:	2839 Paces Ferry Rd STE 900 Atlanta, GA 30339
Customer Project #:	
Project Name:	Plant Branch-CCR Ash Pond
Site Collection Info/Facility ID (as applicable):	

Contact/Report To:	Priya Johnson
Phone #:	(618)790-6528
E-Mail:	priya.johnson@arcadis.com
Cc E-Mail:	Arcadis-Atl + GA Power Distribution List
Invoice To:	Accounts Payable
Invoice E-Mail:	georgiapowerinvoices@southernco.com
Purchase Order # (if applicable):	GPC82474-0005
Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): Georgia

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

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

DW PWSID # or WW Permit # as applicable:

Date Results Requested: 5 Day TAT

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

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	App. IV Metals - Co only	Sample Comment
BRA-LR+9(bottom)	WS	G	2/18/26	1012			1			X	
BRA-LR+10(surface)	WS	G	2/18/26	0940			0			X	Run once; report twice, Selenium on separate
BRA-LR+10(mid)	WS	G	2/18/26	0943			0			X	Run once; report twice, Selenium on separate
BRA-LR+10(bottom)	WS	G	2/18/26	0946			0			X	Run once; report twice, Selenium on separate

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

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

Lab Use Only
Proj. Mgr: Maiya Parks
AcctNum / Client ID:
Table #:
Profile / Template: 12769
Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

Additional Instructions from Pace®:
BRA-CSURF-ASSMT-2026S1

Collected By: (Printed Name) Garrett G.
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

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

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
Arcadis	2/19/26 / 0655	J Miller	2/19/26 / 0955	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEX [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 2 of 2

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐

Sample Condition Upon Receipt

Client Name: Arcadis

Project #: WO#: 92845062 Due Date: 02/26/26 PM: MP CLIENT: GA-ArcadAtl

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Pace ☐ Other:

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 2/19/26 CM

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 083

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.5 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 3.5

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WW				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

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

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

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # WO#: 92845062

PM: MP Due Date: 02/26/26

CLIENT: GA-ArcadAtl

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mecha... ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

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

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

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92845062
PM: MP Due Date: 02/26/26
CLIENT: GA-ArcadAtl

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client_____ Profile/EZ (Circle one)_____ Notes_____

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																														
1	\				\	\	✓	\	\			\		\	\	\											\	\			
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pH Adjustment Log for Preserved Samples

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

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

GEL Laboratories LLC
a member of The GEL Group INC

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

March 11, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Relog: Radiochemistry
Work Order: 765189

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 20, 2026. 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
765189001	BRA-BRGWA-2I	Ground Water	02/18/26 13:30	02/20/26 14:43
765189002	BRA-BRGWA-6S	Ground Water	02/18/26 13:29	02/20/26 14:43
765189003	BRA-BRGWA-2S	Ground Water	02/18/26 14:20	02/20/26 14:43
765189004	BRA-BRGWA-5S	Ground Water	02/18/26 14:35	02/20/26 14:43
765189005	BRA-BRGWA-5I	Ground Water	02/18/26 15:25	02/20/26 14:43

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

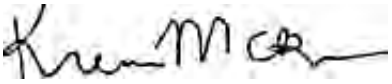
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	11-MAR-2026
EPA 903.1 Modified	05-MAR-2026
EPA 904.0/SW846 9320 Modified	09-MAR-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765189 GEL Work Order: 765189

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

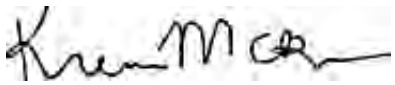
** Analyte is a surrogate compound

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, Abagail Martin.

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: March 11, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWA-2I
Sample ID: 765189001
Matrix: WG
Collect Date: 18-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	1.00	+/-0.979	1.61	+/-1.02	3.00	pCi/L			CH7	03/09/26	1044	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.46	+/-1.21	1.61	+/-1.30		pCi/L		1	NXL1	03/11/26	0858	2951634	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.46	+/-0.708	0.471	+/-0.807	1.00	pCi/L			AW6	03/05/26	0853	2951771	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"	2952405	89.2	(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: March 11, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWA-6S
Sample ID: 765189002
Matrix: WG
Collect Date: 18-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	1.48	+/-1.14	1.80	+/-1.21	3.00	pCi/L			CH7	03/09/26	1044	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.76	+/-1.19	1.80	+/-1.27		pCi/L		1	NXL1	03/11/26	0858	2951634	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.276	+/-0.354	0.604	+/-0.359	1.00	pCi/L			AW6	03/05/26	0853	2951771	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"	2952405	80	(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: March 11, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWA-2S
Sample ID: 765189003
Matrix: WG
Collect Date: 18-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.16	+/-1.11	1.58	+/-1.26	3.00	pCi/L			CH7	03/09/26	1044	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.80	+/-1.16	1.58	+/-1.32		pCi/L		1	NXL1	03/11/26	0858	2951634	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.642	+/-0.359	0.351	+/-0.389	1.00	pCi/L			AW6	03/05/26	0853	2951771	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"	2952405	91.3	(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

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: March 11, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWA-5S
Sample ID: 765189004
Matrix: WG
Collect Date: 18-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	1.65	+/-1.17	1.82	+/-1.26	3.00	pCi/L			CH7	03/09/26	1044	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.32	+/-1.23	1.82	+/-1.32		pCi/L		1	NXL1	03/11/26	0858	2951634	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.678	+/-0.379	0.370	+/-0.395	1.00	pCi/L			AW6	03/05/26	0926	2951771	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"	2952405	72.3	(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

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: March 11, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWA-5I
Sample ID: 765189005
Matrix: WG
Collect Date: 18-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		3.20	+/-1.56	2.20	+/-1.80	3.00	pCi/L			CH7	03/09/26	1045	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.90	+/-1.67	2.20	+/-1.93		pCi/L		1	NXL1	03/11/26	0858	2951634	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.71	+/-0.617	0.584	+/-0.702	1.00	pCi/L			AW6	03/05/26	0926	2951771	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"	2952405	89.8	(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

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 765189

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 46
Analytical Batch: 2951634

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

GEL Sample ID#	Client Sample Identification
765189001	BRA-BRGWA-2I
765189002	BRA-BRGWA-6S
765189003	BRA-BRGWA-2S
765189004	BRA-BRGWA-5S
765189005	BRA-BRGWA-5I

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: 2952405

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

GEL Sample ID#	Client Sample Identification
765189001	BRA-BRGWA-2I
765189002	BRA-BRGWA-6S
765189003	BRA-BRGWA-2S
765189004	BRA-BRGWA-5S
765189005	BRA-BRGWA-5I
1206391101	Method Blank (MB) **Batch 2952405**
1206391102	765627001(NonSDG) Sample Duplicate (DUP)
1206391103	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 1206391101 (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: 2951771

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

GEL Sample ID#	Client Sample Identification
765189001	BRA-BRGWA-2I
765189002	BRA-BRGWA-6S
765189003	BRA-BRGWA-2S
765189004	BRA-BRGWA-5S
765189005	BRA-BRGWA-5I
1206390147	Method Blank (MB) **Batch 2951771**
1206390148	765307004(NonSDG) Sample Duplicate (DUP)
1206390149	765307004(NonSDG) Matrix Spike (MS)
1206390150	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, 1206390149 (Non SDG 765307004MS), 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.

QC Summary

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

Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **765189**

Report Date: March 11, 2026

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2952405										
QC1206391102 765627001 DUP										
Radium-228		1.70		2.18	pCi/L	24.7		(0% - 100%)	CH7	03/09/2610:45
Uncert:		+/-1.04		+/-1.18						
TPU:		+/-1.14		+/-1.33						
QC1206391103 LCS										
Radium-228	59.7			63.5	pCi/L		106	(75%-125%)	CH7	03/09/2610:42
Uncert:				+/-4.02						
TPU:				+/-18.2						
QC1206391101 MB										
Radium-228			U	0.246	pCi/L				CH7	03/09/2612:13
Uncert:				+/-1.07						
TPU:				+/-1.07						
Rad Ra-226										
Batch 2951771										
QC1206390148 765307004 DUP										
Radium-226		0.727		1.16	pCi/L	45.8		(0% - 100%)	AW6	03/05/2609:59
Uncert:		+/-0.451		+/-0.491						
TPU:		+/-0.472		+/-0.560						
QC1206390150 LCS										
Radium-226	27.2			26.7	pCi/L		98.3	(75%-125%)	AW6	03/05/2609:59
Uncert:				+/-2.04						
TPU:				+/-5.53						
QC1206390147 MB										
Radium-226			U	0.413	pCi/L				AW6	03/05/2609:59
Uncert:				+/-0.449						
TPU:				+/-0.457						
QC1206390149 765307004 MS										
Radium-226	136	0.727		104	pCi/L		75.7	(75%-125%)	AW6	03/05/2609:59
Uncert:		+/-0.451		+/-8.80						
TPU:		+/-0.472		+/-17.9						

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

QC Summary

Workorder: **765189**

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

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

765187 / 765189 Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Abagail Martin*

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 - Upgradient | Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: JB, DJ, 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	Total, Carb, & Bicarb Alk SM 2320B	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320						<-- Preservative Type (6)
BRA- BRGWA-2I	02/18/26	1330	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-6S	02/18/26	1329	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-2S	02/18/26	1420	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-5S	02/18/26	1435	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-5I	02/18/26	1525	G	N	WG			5	✓	✓	✓	✓						
BRA-																		
BRA-																		
BRA-																		
BRA-																		
BRA-																		

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	2/20/26	1443	1	2/20/26	1443
2			2		
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,Fe,Mg,Mn,K,Na,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: GPCL	**SDG/AR/COC/Work Order:** 765187 / 765189	**GEL PM:** AM
Received By: EG	**Date Received at GEL:** 2/20/26	

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

IR Temp gun # IR5-23 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).
1	3		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/25/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

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

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

765187 / 765189 **Chain of Custody and Analytical Request**

GEL Work Order Number: ***GEL Project Manager: Abagail Martin***

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 - Upgradient | Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: JB, DJ, 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	Total, Carb, & Bicarb Alk SM 2320B	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320						<-- Preservative Type (6)
BRA- BRGWA-2I	02/18/26	1330	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-6S	02/18/26	1329	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-2S	02/18/26	1420	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-5S	02/18/26	1435	G	N	WG			5	✓	✓	✓	✓						
BRA- BRGWA-5I	02/18/26	1525	G	N	WG			5	✓	✓	✓	✓						
BRA-																		
BRA-																		
BRA-																		
BRA-																		
BRA-																		

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	2/20/26	1443	1	2/20/26	1443
2			2		
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,Fe,Mg,Mn,K,Na,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: GPCL	SDG/AR/COC/Work Order: 765187 / 765189	GEL PM: AM
Received By: EG	Date Received at GEL: 2/20/26	

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

IR Temp gun # IR5-23 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).
1	3		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/25/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 11 March 2026

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	2026-139
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	SC000122025-50
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

March 18, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Relog: Radiochemistry
Work Order: 765182

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 20, 2026. 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
765182001	BRA-PZ-63I	Ground Water	02/18/26 16:50	02/20/26 14:43
765182002	BRA-BRGWC-30I	Ground Water	02/19/26 10:15	02/20/26 14:43
765182003	BRA-APBCD-EB-04	Water	02/19/26 10:40	02/20/26 14:43
765182004	BRA-APBCD-FD-01	Ground Water	02/19/26 12:00	02/20/26 14:43
765182005	BRA-BRGWC-29I	Ground Water	02/19/26 10:50	02/20/26 14:43
765182006	BRA-BRGWC-32S	Ground Water	02/19/26 11:40	02/20/26 14:43
765182007	BRA-BRGWC-52I	Ground Water	02/19/26 12:05	02/20/26 14:43
765182008	BRA-BRGWC-27I	Ground Water	02/19/26 12:55	02/20/26 14:43
765182009	BRA-APBCD-FD-02	Ground Water	02/19/26 12:00	02/20/26 14:43
765182010	BRA-APBCD-FB-01	Water	02/19/26 13:10	02/20/26 14:43
765182011	BRA-BRGWC-47	Ground Water	02/19/26 12:50	02/20/26 14:43
765182012	BRA-BRGWC-45	Ground Water	02/19/26 14:00	02/20/26 14:43
765182013	BRA-PZ-74I	Ground Water	02/19/26 15:15	02/20/26 14:43
765182014	BRA-PZ-75I	Ground Water	02/19/26 15:20	02/20/26 14:43
765182015	BRA-BRGWC-44	Ground Water	02/19/26 16:34	02/20/26 14:43
765182016	BRA-APBCD-FB-02	Water	02/19/26 16:50	02/20/26 14:43



765182017	BRA-BRGWC-25I	Ground Water	02/19/26 16:00	02/20/26 14:43
765182018	BRA-APBCD-EB-05	Water	02/19/26 16:35	02/20/26 14:43
765182019	BRA-BRGWA-23S	Ground Water	02/19/26 09:50	02/20/26 14:43

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

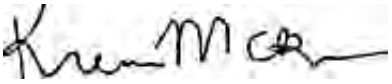
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	18-MAR-2026
EPA 903.1 Modified	18-MAR-2026
EPA 904.0/SW846 9320 Modified	16-MAR-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765182 GEL Work Order: 765182

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

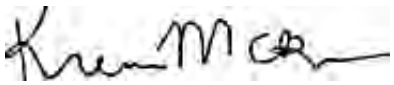
** Analyte is a surrogate compound

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, Abagail Martin.

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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-PZ-63I
Sample ID: 765182001
Matrix: WG
Collect Date: 18-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.67	+/-1.39	2.01	+/-1.58	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.91	+/-1.40	2.01	+/-1.59		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.240	+/-0.163	0.183	+/-0.167	1.00	pCi/L			LB2	03/18/26	0757	2949960	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"	2949986	74.6	(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
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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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-30I
Sample ID: 765182002
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	+/-1.38	1.88	+/-1.70	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.12	+/-1.40	1.88	+/-1.72		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.586	+/-0.249	0.195	+/-0.273	1.00	pCi/L			LB2	03/18/26	0757	2949960	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"	2949986	77.5	(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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-APBCD-EB-04 Project: GPCC01324
Sample ID: 765182003 Client ID: GPCC002
Matrix: WQ
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
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		1.77	+/-1.14	1.74	+/-1.24	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.10	+/-1.16	1.74	+/-1.27		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.329	+/-0.238	0.339	+/-0.244	1.00	pCi/L			LB2	03/18/26	0830	2949960	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"	2949986	81.1	(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
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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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-APBCD-FD-01 Project: GPCC01324
Sample ID: 765182004 Client ID: GPCC002
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
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	U	0.577	+/-1.35	2.37	+/-1.36	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.08	+/-1.38	2.37	+/-1.39		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.499	+/-0.293	0.403	+/-0.303	1.00	pCi/L			LB2	03/18/26	0829	2949960	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"	2949986	80	(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
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241 Ralph McGill Blvd NE, Bin 10160

Atlanta, Georgia 30308 Report Date: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-29I
Sample ID: 765182005
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.87	+/-1.10	1.46	+/-1.36	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.14	+/-1.13	1.46	+/-1.38		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.266	+/-0.225	0.327	+/-0.230	1.00	pCi/L			LB2	03/18/26	0829	2949960	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"	2949986	92.9	(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
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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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-32S
Sample ID: 765182006
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.23	+/-1.13	1.61	+/-1.29	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.96	+/-1.16	1.61	+/-1.32		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.731	+/-0.275	0.193	+/-0.301	1.00	pCi/L			LB2	03/18/26	0829	2949960	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"	2949986	86.5	(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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-52I
Sample ID: 765182007
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		5.60	+/-1.51	1.73	+/-2.17	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		7.93	+/-1.58	1.73	+/-2.28		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.33	+/-0.493	0.203	+/-0.698	1.00	pCi/L			LB2	03/18/26	0829	2949960	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"	2949986	84.2	(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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-27I
Sample ID: 765182008
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	1.04	+/-0.923	1.50	+/-0.967	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.80	+/-1.02	1.50	+/-1.13		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.75	+/-0.426	0.318	+/-0.589	1.00	pCi/L			LB2	03/18/26	0829	2949960	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"	2949986	94	(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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-APBCD-FD-02 Project: GPCC01324
Sample ID: 765182009 Client ID: GPCC002
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
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		5.74	+/-1.58	1.80	+/-2.25	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		7.48	+/-1.65	1.80	+/-2.34		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.73	+/-0.492	0.362	+/-0.625	1.00	pCi/L			LB2	03/18/26	0829	2949960	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"	2949986	83	(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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-APBCD-FB-01 Project: GPCC01324
Sample ID: 765182010 Client ID: GPCC002
Matrix: WQ
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
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	U	1.74	+/-1.14	1.76	+/-1.24	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.99	+/-1.16	1.76	+/-1.26		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.256	+/-0.230	0.350	+/-0.236	1.00	pCi/L			LB2	03/18/26	0829	2949960	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"	2949986	85	(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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-47
Sample ID: 765182011
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	1.31	+/-1.11	1.78	+/-1.17	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.89	+/-1.15	1.78	+/-1.21		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.581	+/-0.300	0.338	+/-0.314	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	80.3	(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

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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
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Atlanta, Georgia 30308 Report Date: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-45
Sample ID: 765182012
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		1.90	+/-1.15	1.72	+/-1.27	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.98	+/-1.17	1.72	+/-1.29		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.0784	+/-0.223	0.422	+/-0.224	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	81.7	(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
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Atlanta, Georgia 30308 Report Date: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-PZ-74I
Sample ID: 765182013
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		2.62	+/-1.18	1.66	+/-1.39	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.72	+/-1.19	1.66	+/-1.40		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.0974	+/-0.142	0.248	+/-0.143	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	86.3	(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

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Certificate of Analysis

Company : Georgia Power Company, Southern
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Atlanta, Georgia 30308 Report Date: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-PZ-75I
Sample ID: 765182014
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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		1.90	+/-1.18	1.79	+/-1.29	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.34	+/-1.20	1.79	+/-1.32		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.439	+/-0.242	0.285	+/-0.251	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	83.2	(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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Certificate of Analysis

Company : Georgia Power Company, Southern
Address : Company
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Atlanta, Georgia 30308 Report Date: March 18, 2026

Contact: Chris Tidwell
Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-44 Project: GPCC01324
Sample ID: 765182015 Client ID: GPCC002
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
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		2.47	+/-1.26	1.84	+/-1.44	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.10	+/-1.30	1.84	+/-1.47		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.633	+/-0.287	0.346	+/-0.310	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	80.3	(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

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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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-APBCD-FB-02 Project: GPCC01324
Sample ID: 765182016 Client ID: GPCC002
Matrix: WQ
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
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		2.00	+/-1.11	1.65	+/-1.25	3.00	pCi/L			CH7	03/16/26	1024	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.17	+/-1.14	1.65	+/-1.27		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.166	+/-0.255	0.447	+/-0.256	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	92.3	(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

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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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWC-25I
Sample ID: 765182017
Matrix: WG
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
Collector: Client

Project: GPCC01324
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	0.604	+/-1.01	1.77	+/-1.03	3.00	pCi/L			CH7	03/16/26	1023	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.661	+/-1.03	1.77	+/-1.05		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.0567	+/-0.192	0.380	+/-0.193	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	75	(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: March 18, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-APBCD-EB-05 Project: GPCC01324
Sample ID: 765182018 Client ID: GPCC002
Matrix: WQ
Collect Date: 19-FEB-26
Receive Date: 20-FEB-26
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		2.51	+/-1.20	1.70	+/-1.39	3.00	pCi/L			CH7	03/16/26	1023	2949986	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.67	+/-1.22	1.70	+/-1.41		pCi/L			NXL1	03/18/26	1225	2950290	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.166	+/-0.223	0.383	+/-0.225	1.00	pCi/L			LB2	03/18/26	0905	2949960	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"	2949986	85	(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# 46
Analytical Batch: 2950290

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

GEL Sample ID#	Client Sample Identification
765182001	BRA-PZ-63I
765182002	BRA-BRGWC-30I
765182003	BRA-APBCD-EB-04
765182004	BRA-APBCD-FD-01
765182005	BRA-BRGWC-29I
765182006	BRA-BRGWC-32S
765182007	BRA-BRGWC-52I
765182008	BRA-BRGWC-27I
765182009	BRA-APBCD-FD-02
765182010	BRA-APBCD-FB-01
765182011	BRA-BRGWC-47
765182012	BRA-BRGWC-45
765182013	BRA-PZ-74I
765182014	BRA-PZ-75I
765182015	BRA-BRGWC-44
765182016	BRA-APBCD-FB-02
765182017	BRA-BRGWC-25I
765182018	BRA-APBCD-EB-05

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: 2949986

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

GEL Sample ID#	Client Sample Identification
765182001	BRA-PZ-63I
765182002	BRA-BRGWC-30I
765182003	BRA-APBCD-EB-04
765182004	BRA-APBCD-FD-01

765182005	BRA-BRGWC-29I
765182006	BRA-BRGWC-32S
765182007	BRA-BRGWC-52I
765182008	BRA-BRGWC-27I
765182009	BRA-APBCD-FD-02
765182010	BRA-APBCD-FB-01
765182011	BRA-BRGWC-47
765182012	BRA-BRGWC-45
765182013	BRA-PZ-74I
765182014	BRA-PZ-75I
765182015	BRA-BRGWC-44
765182016	BRA-APBCD-FB-02
765182017	BRA-BRGWC-25I
765182018	BRA-APBCD-EB-05
1206387173	Method Blank (MB) **Batch 2949986**
1206387174	765182001(BRA-PZ-63I) Sample Duplicate (DUP)
1206387175	Laboratory Control Sample (LCS)

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: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2949960

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

GEL Sample ID#	Client Sample Identification
765182001	BRA-PZ-63I
765182002	BRA-BRGWC-30I
765182003	BRA-APBCD-EB-04
765182004	BRA-APBCD-FD-01
765182005	BRA-BRGWC-29I
765182006	BRA-BRGWC-32S
765182007	BRA-BRGWC-52I
765182008	BRA-BRGWC-27I
765182009	BRA-APBCD-FD-02
765182010	BRA-APBCD-FB-01
765182011	BRA-BRGWC-47
765182012	BRA-BRGWC-45
765182013	BRA-PZ-74I
765182014	BRA-PZ-75I
765182015	BRA-BRGWC-44
765182016	BRA-APBCD-FB-02
765182017	BRA-BRGWC-25I
765182018	BRA-APBCD-EB-05
1206387151	Method Blank (MB) **Batch 2949960**

1206387152	765182001(BRA-PZ-63I) Sample Duplicate (DUP)
1206387153	765182001(BRA-PZ-63I) Matrix Spike (MS)
1206387154	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, 1206387153 (BRA-PZ-63IMS), 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.

QC Summary

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

Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **765182**

Report Date: March 18, 2026

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2949986										
QC1206387174 765182001 DUP										
Radium-228		2.67		1.91	pCi/L	33.1		(0% - 100%)	CH7	03/16/2610:23
	Uncert:	+/-1.39		+/-1.16						
	TPU:	+/-1.58		+/-1.28						
QC1206387175 LCS										
Radium-228	61.7			70.8	pCi/L		115	(75%-125%)	CH7	03/16/2610:23
	Uncert:			+/-4.37						
	TPU:			+/-22.8						
QC1206387173 MB										
Radium-228			U	0.857	pCi/L				CH7	03/16/2610:23
	Uncert:			+/-0.862						
	TPU:			+/-0.894						
Rad Ra-226										
Batch 2949960										
QC1206387152 765182001 DUP										
Radium-226		0.240		0.379	pCi/L	45.1		(0% - 100%)	LB2	03/18/2609:37
	Uncert:	+/-0.163		+/-0.216						
	TPU:	+/-0.167		+/-0.226						
QC1206387154 LCS										
Radium-226	27.2			25.9	pCi/L		95.1	(75%-125%)	LB2	03/18/2609:37
	Uncert:			+/-1.60						
	TPU:			+/-4.54						
QC1206387151 MB										
Radium-226			U	0.0869	pCi/L				LB2	03/18/2609:37
	Uncert:			+/-0.205						
	TPU:			+/-0.205						
QC1206387153 765182001 MS										
Radium-226	138	0.240		107	pCi/L		77.7	(75%-125%)	LB2	03/18/2609:37
	Uncert:	+/-0.163		+/-8.39						
	TPU:	+/-0.167		+/-20.6						

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

QC Summary

Workorder: **765182**

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

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

765174/765182 Chain of Custody and Analytical Request
GEL Work Order Number: GEL Project Manager: Abagail Martin

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 - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: JB, DJ, 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	Total, Carb. & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)
BRA-PZ-63I	02/18/26	1650	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-30I	02/19/26	1015	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-EB-04	02/19/26	1040	G	N	WQ			5	✓	✓	✓	✓	
BRA-APBCD-FD-01	02/19/26	—	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-29I	02/19/26	1050	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-32S	02/19/26	1140	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-52I	02/19/26	1205	G	N	WG			5	✓	✓	✓	✓	
BRA-BRGWC-27I	02/19/26	1255	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-FD-02	02/19/26	—	G	N	WG			5	✓	✓	✓	✓	
BRA-APBCD-FB-01	02/19/26	1310	G	N	WQ			5	✓	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	2/20/26	1443	[signature]	2/20/26	1443
2						
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 0 °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

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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
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Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Abagail Martin*

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 - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: SB, DS, 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	Total, Carb. & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)	Comments
BRA- BRGWC-47	02/19/26	1250	G	N	WG			5	✓	✓	✓	✓		
BRA- BRGWC-45	02/19/26	1400	G	N	WG			5	✓	✓	✓	✓		
BRA- PZ-74I	02/19/26	1515	G	N	WG			5	✓	✓	✓	✓		
BRA- PZ-75I	02/19/26	1520	G	N	WG			5	✓	✓	✓	✓		
BRA- BRGWC-44	02/19/26	1634	G	N	WG			5	✓	✓	✓	✓		
BRA- APBCD-FB-02	02/19/26	1650	~~EB~~ FB	N	WQ ~~WG~~			5	✓	✓	✓	✓		
BRA- BRGWC-25I	02/19/26	1600	G	N	WG			5	✓	✓	✓	✓		
BRA- APBCD-EB-05	02/19/26	1635	G	N	WQ			5	✓	✓	✓	✓		
BRA- BRGWA-23S	02/19/26	0950	G	N	WG			3	✓	✓	✓			limited volume
BRA-														

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	2/20/26	1443	1	2/20/26	1443
2			2		
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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

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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**

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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: 765174 / 765182	GEL PM: AM
Received By: EG	Date Received at GEL: 2/20/26	

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

IR Temp gun # IR5-23 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).
1	0		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/23/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

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

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

765174/765182 Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Abagail Martin*

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 - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: JB, DJ, 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	Total, Carb. & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)	Comments
BRA-PZ-63I	02/18/26	1650	G	N	WG			5	✓	✓	✓	✓		Note: extra sample is required for sample specific QC Task_Code: BRA-CCR-ASSMT-2026S1
BRA-BRGWC-30I	02/19/26	1015	G	N	WG			5	✓	✓	✓	✓		
BRA-APBCD-EB-04	02/19/26	1040	G	N	WQ			5	✓	✓	✓	✓		
BRA-APBCD-FD-01	02/19/26	—	G	N	WG			5	✓	✓	✓	✓		
BRA-BRGWC-29I	02/19/26	1050	G	N	WG			5	✓	✓	✓	✓		
BRA-BRGWC-32S	02/19/26	1140	G	N	WG			5	✓	✓	✓	✓		
BRA-BRGWC-52I	02/19/26	1205	G	N	WG			5	✓	✓	✓	✓		
BRA-BRGWC-27I	02/19/26	1255	G	N	WG			5	✓	✓	✓	✓		
BRA-APBCD-FD-02	02/19/26	—	G	N	WG			5	✓	✓	✓	✓		
BRA-APBCD-FB-01	02/19/26	1310	G	N	WQ			5	✓	✓	✓	✓		

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	2/20/26	1443	1	2/20/26	1443
2			2		
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 0 °C

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(F,K,P and U-listed wastes.)
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OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
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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

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BRA- BRGWC-45	02/19/26	1400	G	N	WG			5	✓	✓	✓	✓		
BRA- PZ-74I	02/19/26	1515	G	N	WG			5	✓	✓	✓	✓		
BRA- PZ-75I	02/19/26	1520	G	N	WG			5	✓	✓	✓	✓		
BRA- BRGWC-44	02/19/26	1634	G	N	WG			5	✓	✓	✓	✓		
BRA- APBCD-FB-02	02/19/26	1650	~~EB~~ FB	N	~~WQ~~ WG			5	✓	✓	✓	✓		
BRA- BRGWC-25I	02/19/26	1600	G	N	WG			5	✓	✓	✓	✓		
BRA- APBCD-EB-05	02/19/26	1635	G	N	WQ			5	✓	✓	✓	✓		
BRA- BRGWA-23S	02/19/26	0950	G	N	WG			3	✓	✓	✓			limited volume
BRA-														

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	2/20/26	1443		2/20/26	1443
2			2		
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °C

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

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

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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: 765174 / 765182	GEL PM: AM
Received By: EG	Date Received at GEL: 2/20/26	

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

IR Temp gun # IR5-23 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).
1	8		6	0	
2	0		7	0	
3	0				
4	0				
5	0				

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 [signature] Date 02/23/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 18 March 2026

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	2026-139
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	SC000122026-50
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

March 17, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Relog: Radiochemistry
Work Order: 765723

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 25, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was 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
765723001	BRA-PZ-81	Ground Water	02/24/26 13:30	02/25/26 12:00

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

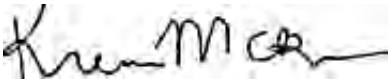
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	17-MAR-2026
EPA 903.1 Modified	11-MAR-2026
EPA 904.0/SW846 9320 Modified	09-MAR-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765723 GEL Work Order: 765723

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

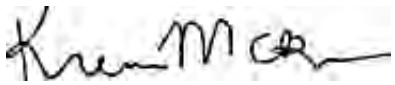
** Analyte is a surrogate compound

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, Abagail Martin.

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: March 17, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-PZ-81
Sample ID: 765723001
Matrix: WG
Collect Date: 24-FEB-26
Receive Date: 25-FEB-26
Collector: Client

Project: GPCC01324
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		2.43	+/-1.16	1.63	+/-1.34	3.00	pCi/L			CH7	03/09/26	1044	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.08	+/-1.37	1.63	+/-1.62		pCi/L		1	TON1	03/17/26	0716	2952425	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.65	+/-0.728	0.481	+/-0.905	1.00	pCi/L			AW6	03/11/26	1016	2952445	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"	2952405	86.1	(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

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 765723

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 46
Analytical Batch: 2952425

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

GEL Sample ID#	Client Sample Identification
765723001	BRA-PZ-81

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: 2952405

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

GEL Sample ID#	Client Sample Identification
765723001	BRA-PZ-81
1206391101	Method Blank (MB) **Batch 2952405**
1206391102	765627001(NonSDG) Sample Duplicate (DUP)
1206391103	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 1206391101 (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: 2952445

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

GEL Sample ID#	Client Sample Identification
765723001	BRA-PZ-81
1206391192	Method Blank (MB) **Batch 2952445**
1206391193	765444001(NonSDG) Sample Duplicate (DUP)
1206391194	765444001(NonSDG) Matrix Spike (MS)
1206391195	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, 1206391194 (Non SDG 765444001MS), 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.

QC Summary

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

Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **765723**

Report Date: March 17, 2026

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2952405										
QC1206391102 765627001 DUP										
Radium-228		1.70		2.18	pCi/L	24.7		(0% - 100%)	CH7	03/09/2610:45
Uncert:		+/-1.04		+/-1.18						
TPU:		+/-1.14		+/-1.33						
QC1206391103 LCS										
Radium-228	59.7			63.5	pCi/L		106	(75%-125%)	CH7	03/09/2610:42
Uncert:				+/-4.02						
TPU:				+/-18.2						
QC1206391101 MB										
Radium-228			U	0.246	pCi/L				CH7	03/09/2612:13
Uncert:				+/-1.07						
TPU:				+/-1.07						
Rad Ra-226										
Batch 2952445										
QC1206391193 765444001 DUP										
Radium-226		3.65		4.40	pCi/L	18.7		(0%-20%)	AW6	03/11/2610:50
Uncert:		+/-0.895		+/-1.07						
TPU:		+/-1.09		+/-1.30						
QC1206391195 LCS										
Radium-226	17.2			13.2	pCi/L		76.6	(75%-125%)	AW6	03/11/2610:50
Uncert:				+/-1.27						
TPU:				+/-2.29						
QC1206391192 MB										
Radium-226			U	0.0820	pCi/L				AW6	03/11/2610:50
Uncert:				+/-0.179						
TPU:				+/-0.179						
QC1206391194 765444001 MS										
Radium-226	130	3.65		129	pCi/L		96.6	(75%-125%)	AW6	03/11/2610:50
Uncert:		+/-0.895		+/-10.5						
TPU:		+/-1.09		+/-23.9						

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

QC Summary

Workorder: **765723**

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

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

765722/765723 Chain of Custody and Analytical Request

GEL Work Order Number: GEL Project Manager: Abagail Martin

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 - Background
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: D. Johnson 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	Total. Carb. & Bicarb Alk. SM 2320B	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320		NI Cobalt only EPA 6020					<-- Preservative Type (6)
BRA- PZ-81	02/24/26	1330	G	N	WG			5	✓	✓	✓	✓							
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	Blake Jones	2/25/26	0747	[illegible]	2/25/26	7:47
2				Cmarmahon	2/25/26	12:08
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 0 °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: 765722 765723 | GEL PM: AM

Received By: CLM | Date Received at GEL: 2/25/26

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

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler 1	0°				
2	0°				
3	0°				

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 JJ Date 02/26/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 17 March 2026

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	2026-139
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	SC000122026-50
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

March 17, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Relog: Radiochemistry
Work Order: 765727

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 25, 2026. 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
765727001	BRA-PZ-68D	Ground Water	02/24/26 08:45	02/25/26 12:00
765727002	BRA-BRGWA-23S	Ground Water	02/24/26 09:34	02/25/26 12:00

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

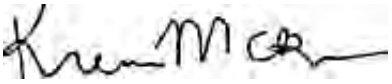
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	17-MAR-2026
EPA 903.1 Modified	11-MAR-2026
EPA 904.0/SW846 9320 Modified	09-MAR-2026

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. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
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: 765727 GEL Work Order: 765727

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

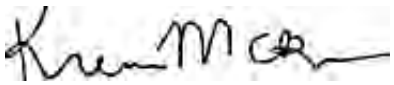
** Analyte is a surrogate compound

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, Abagail Martin.

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: March 17, 2026

Contact: Chris Tidwell

Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-PZ-68D
Sample ID: 765727001
Matrix: WG
Collect Date: 24-FEB-26
Receive Date: 25-FEB-26
Collector: Client

Project: GPCC01324
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		4.09	+/-1.46	1.88	+/-1.87	3.00	pCi/L			CH7	03/09/26	1045	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		7.61	+/-1.69	1.88	+/-2.16		pCi/L		1	TON1	03/17/26	0716	2952425	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.52	+/-0.847	0.443	+/-1.08	1.00	pCi/L			AW6	03/11/26	1016	2952445	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"	2952405	70.3	(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

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: March 17, 2026

Contact: Chris Tidwell
Project: Plant BranchRelog: Radiochemistry

Client Sample ID: BRA-BRGWA-23S
Sample ID: 765727002
Matrix: WG
Collect Date: 24-FEB-26
Receive Date: 25-FEB-26
Collector: Client

Project: GPCC01324
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		2.91	+/-1.23	1.66	+/-1.47	3.00	pCi/L			CH7	03/09/26	1044	2952405	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.80	+/-1.32	1.66	+/-1.55		pCi/L		1	TON1	03/17/26	0716	2952425	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.889	+/-0.472	0.416	+/-0.489	1.00	pCi/L			AW6	03/11/26	1051	2952445	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"	2952405	82.1	(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

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 765727

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 46
Analytical Batch: 2952425

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

GEL Sample ID#	Client Sample Identification
765727001	BRA-PZ-68D
765727002	BRA-BRGWA-23S

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: 2952405

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

GEL Sample ID#	Client Sample Identification
765727001	BRA-PZ-68D
765727002	BRA-BRGWA-23S
1206391101	Method Blank (MB) **Batch 2952405**
1206391102	765627001(NonSDG) Sample Duplicate (DUP)
1206391103	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 1206391101 (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: 2952445

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

GEL Sample ID#	Client Sample Identification
765727001	BRA-PZ-68D
765727002	BRA-BRGWA-23S
1206391192	Method Blank (MB) **Batch 2952445**
1206391193	765444001(NonSDG) Sample Duplicate (DUP)
1206391194	765444001(NonSDG) Matrix Spike (MS)
1206391195	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, 1206391194 (Non SDG 765444001MS), 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.

QC Summary

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

Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **765727**

Report Date: March 17, 2026

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2952405										
QC1206391102 765627001 DUP										
Radium-228		1.70		2.18	pCi/L	24.7		(0% - 100%)	CH7	03/09/2610:45
Uncert:		+/-1.04		+/-1.18						
TPU:		+/-1.14		+/-1.33						
QC1206391103 LCS										
Radium-228	59.7			63.5	pCi/L		106	(75%-125%)	CH7	03/09/2610:42
Uncert:				+/-4.02						
TPU:				+/-18.2						
QC1206391101 MB										
Radium-228			U	0.246	pCi/L				CH7	03/09/2612:13
Uncert:				+/-1.07						
TPU:				+/-1.07						
Rad Ra-226										
Batch 2952445										
QC1206391193 765444001 DUP										
Radium-226		3.65		4.40	pCi/L	18.7		(0%-20%)	AW6	03/11/2610:50
Uncert:		+/-0.895		+/-1.07						
TPU:		+/-1.09		+/-1.30						
QC1206391195 LCS										
Radium-226	17.2			13.2	pCi/L		76.6	(75%-125%)	AW6	03/11/2610:50
Uncert:				+/-1.27						
TPU:				+/-2.29						
QC1206391192 MB										
Radium-226			U	0.0820	pCi/L				AW6	03/11/2610:50
Uncert:				+/-0.179						
TPU:				+/-0.179						
QC1206391194 765444001 MS										
Radium-226	130	3.65		129	pCi/L		96.6	(75%-125%)	AW6	03/11/2610:50
Uncert:		+/-0.895		+/-10.5						
TPU:		+/-1.09		+/-23.9						

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

QC Summary

Workorder: **765727**

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

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

765726/765727 Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Abagail Martin*

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 - BCD | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: D. Johnson 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	Total, Carb, & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI		Cobalt only EPA 6020 NI					<-- Preservative Type (6)
BRA- PZ-68D	02/24/26	0845	G	N	WG			5	✓	✓	✓	✓							
BRA- BRGWA-23S	02/24/26	0934	G	N	WG			2				✓							limited volume.
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			

Comments
Note: extra sample is required for sample specific QC
Task_Code: BRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	2/25/26	0747	[signature]	2/25/26	7:47
2				[signature]	2/25/26	12:00
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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

6 LG 02/26/26

Client: GPCC | SDG/AR/COC/Work Order: 765726 765727 | GEL PM: AM

Received By: CLM | Date Received at GEL: 2/25/26

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

IR Temp gun # IR5-23 Daily Calibration Performed Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
Cooler 1	0°				
2	0°				
3	0°				

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 JG Date 02/26/2026

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 17 March 2026

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	2026-139
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	SC000122026-50
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

March 26, 2026

Chris Tidwell
Georgia Power Company, Southern Company
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Branch Ash Ponds Reanalysis:
Work Order: 765770

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 26, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was 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
765770001	BRA-PZ-80	Ground Water	02/25/26 09:26	02/26/26 08:08

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

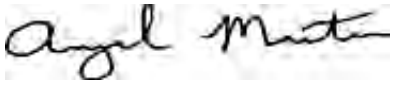
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	25-MAR-2026
EPA 903.1 Modified	25-MAR-2026
EPA 904.0/SW846 9320 Modified	18-MAR-2026

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. 4705.

Sincerely,



Abagail Martin
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: 765770 GEL Work Order: 765770

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

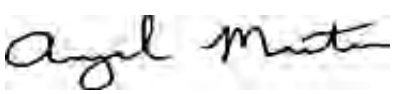
** Analyte is a surrogate compound

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, Abagail Martin.

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: March 26, 2026

Contact: Chris Tidwell

Project: Plant Branch Ash PondsReanalysis:

Client Sample ID: BRA-PZ-80
Sample ID: 765770001
Matrix: WG
Collect Date: 25-FEB-26
Receive Date: 26-FEB-26
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		2.22	+/-1.33	2.06	+/-1.45	3.00	pCi/L			CH7	03/18/26	0821	2953118	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.81	+/-1.35	2.06	+/-1.48		pCi/L			LXB3	03/25/26	1345	2953120	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.584	+/-0.255	0.203	+/-0.280	1.00	pCi/L			LB2	03/25/26	0747	2956570	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"	2953118	93.4	(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 #: 765770

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 46
Analytical Batch: 2953120

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

GEL Sample ID#	Client Sample Identification
765770001	BRA-PZ-80

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: 2953118

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

GEL Sample ID#	Client Sample Identification
765770001	BRA-PZ-80
1206392321	Method Blank (MB) **Batch 2953118**
1206392322	765770001(BRA-PZ-80) Sample Duplicate (DUP)
1206392323	Laboratory Control Sample (LCS)

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: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2956570

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

GEL Sample ID#	Client Sample Identification
765770001	BRA-PZ-80
1206397985	Method Blank (MB) **Batch 2956570**
1206397986	766235001(NonSDG) Sample Duplicate (DUP)
1206397987	766235001(NonSDG) Matrix Spike (MS)
1206397988	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, 1206397987 (Non SDG 766235001MS), 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.

QC Summary

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

Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **765770**

Report Date: March 26, 2026

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2953118										
QC1206392322 765770001 DUP										
Radium-228		2.22	U	1.20	pCi/L	18.5		(0% - 100%)	CH7	03/18/2608:20
Uncert:		+/-1.33		+/-1.13						
TPU:		+/-1.45		+/-1.17						
QC1206392323 LCS										
Radium-228	59.5			73.8	pCi/L		124	(75%-125%)	CH7	03/18/2608:18
Uncert:				+/-4.63						
TPU:				+/-20.2						
QC1206392321 MB										
Radium-228			U	-0.209	pCi/L				CH7	03/18/2608:18
Uncert:				+/-0.816						
TPU:				+/-0.816						
Rad Ra-226										
Batch 2956570										
QC1206397986 766235001 DUP										
Radium-226		0.870		0.885	pCi/L	1.62		(0% - 100%)	LB2	03/25/2609:25
Uncert:		+/-0.334		+/-0.375						
TPU:		+/-0.362		+/-0.411						
QC1206397988 LCS										
Radium-226	26.7			24.6	pCi/L		91.9	(75%-125%)	LB2	03/25/2609:25
Uncert:				+/-1.56						
TPU:				+/-5.92						
QC1206397985 MB										
Radium-226			U	0.204	pCi/L				LB2	03/25/2609:25
Uncert:				+/-0.211						
TPU:				+/-0.214						
QC1206397987 766235001 MS										
Radium-226	136	0.870		116	pCi/L		84.4	(75%-125%)	LB2	03/25/2609:25
Uncert:		+/-0.334		+/-8.10						
TPU:		+/-0.362		+/-25.9						

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

QC Summary

Workorder: **765770**

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

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.

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765770

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

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

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 - Backgrounds
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: J. May 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	Total, Carb, & Bicarb Alk SM 2320B	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320		NI Cobalt only EPA 6020					<-- Preservative Type (6)
BRA- PZ-80	02/25/26	0926	G	N	WG			5	✓	✓	✓	✓							
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			
BRA-																			

Comments
Note: extra sample is required for sample specific QC
Task_Code: ~~BRA-CCR-ASSMT-2026S1-05~~
Task_Code: BRA-CCR-OTH-20260224

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		2/26/26	0808		2/26/26	0808
2						
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,Fe,Mg,Mn,K,Na,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °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.)*

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GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: | GEL PM: AM

Received By: CLM | Date Received at GEL: 2/26/26

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

IR Temp gun # IR5-23 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).
Cooler 1	0°				
2	0°				

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 IJ Date 2/27/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 26 March 2026

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	2025022
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	2026-139
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	SC000122026-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum

Date:	14 May 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 765187 and 765189**

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 18 February 2026, 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
- Alkalinity by SM 2320B
- 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**
765187001	765189001	BRA-BRGWA-2I
765187002	765189002	BRA-BRGWA-6S
765187003	765189003	BRA-BRGWA-2S

Laboratory IDs		**Client IDs**
765187004	765189004	BRA-BRGWA-5S
765187005	765189005	BRA-BRGWA-5I

The samples were received at 0.0 degrees Celsius (°C), outside of the EPA Region 4 criteria of 4°C ± 2°C. Since the samples were received between 0-6°C 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
- ✓ Electronic Data Deliverables Review

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 blank at or above the method detection limits (MDLs), with the following exceptions.

Boron (0.00570 mg/L) was detected in the method blank in batch 2949898 at an estimated concentration greater than the MDL and less than the reporting limit (RL). Therefore, the estimated concentrations of boron in the associated samples were U qualified as not detected above the RL.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BRA-BRGWA-2I	Boron	0.00969	J	0.0150	U	BC1
BRA-BRGWA-2S	Boron	0.00878	J	0.0150	U	BC1
BRA-BRGWA-5I	Boron	0.00988	J	0.0150	U	BC1

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BRA-BRGWA-5S	Boron	0.00907	J	0.0150	U	BC1
BRA-BRGWA-6S	Boron	0.00922	J	0.0150	U	BC1

mg/L- milligram per liter
J-the result is less than reporting limit but greater than the method detection limit and the concentration is an approximate value
* Validation qualifiers are defined in Attachment 1 at the end of this report
**EQuIS Data Qualification Module Reason codes are defined in Attachment 2 at the end of this report

1.4 Matrix Spike/Matrix Spike Duplicate

Matrix spike (MS)/matrix spike duplicate (MSD) pairs 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/MSD pair was reported, using sample BRA-BRGWA-2I. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

For analytes with concentrations greater than four times the spiked concentration, the recovery results were not assessed.

1.5 Laboratory Control Sample

Laboratory controls samples (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 reported with the sample set.

1.8 Equipment Blank

Equipment blanks were not reported with the sample set.

1.9 Field Duplicate

Field duplicates were not reported with the sample set.

1.10 Serial Dilution

One sample set specific serial dilution was reported for metals using sample BRA-BRGWA-2I. The percent difference (%D) results were within the method specified acceptance criteria, with the following exception.

The %D for boron in the serial dilution using sample BRA-BRGWA-2I was high and outside of laboratory specified acceptance criteria. Since the sample concentration was less than 50X the MDL, no qualifications were 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
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

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

Batch MSs were 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

Batch laboratory duplicates were 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 reported with the sample set.

2.8 Equipment Blank

Equipment blanks were not reported with the sample set.

2.9 Field Duplicate

Field duplicates were not reported with the sample set.

2.10 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, alkalinity by SM 2320B, 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

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-2I, BRA-BRGWA-6S, BRA-BRGWA-2S, BRA-BRGWA-5S, and BRA-BRGWA-5I 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
Alkalinity	SM 2320B	14 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

One sample set specific MS was reported for alkalinity, using sample BRA-BRGWA-2S. The recovery results were within the laboratory specified acceptance criteria.

Batch MSs were reported for anions. Since the batch QC results do not affect the samples in this data set, 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). An LCS or LCS/laboratory controls sample duplicate (LCSD) pair was reported for each analytical batch per analysis. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for alkalinity, using sample BRA-BRGWA-2S. The RPD results were within the laboratory specified acceptance criteria.

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 reported with the sample set.

3.8 Equipment Blank

Equipment blanks were not reported with the sample set.

3.9 Field Duplicate

Field duplicates were not reported 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%.

4.2 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).

4.4 Matrix Spike/Matrix Spike Duplicate

Batch MS/MSD pairs were reported with the sample set. 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 also reported with the sample set. 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 analyses. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Blank

Field blanks were not reported with the sample set.

4.9 Equipment Blank

Equipment blanks were not reported with the sample set.

4.10 Field Duplicate

Field duplicates were not reported 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

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Memorandum

Date:	21 May 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 765174 (Revision 2), 764705, 765726, 765184, 765769, 765722 (Revision 2), 765727, 765182, 765770, and 765723**

SITE: Plant Branch CCR Groundwater Compliance Semiannual Monitoring AP-BCD

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twenty-six groundwater samples, two equipment blanks, two field blanks and two field duplicate samples collected 17-19, 24, and 25 February 2026, 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
- Alkalinity by SM 2320B
- 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:

- USEPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- 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
764705001		BRA-PZ-18I
764705002		BRA-PZ-72I
764705003		BRA-PZ-73I
764705004		BRA-PZ-83I
765174001	765182001	BRA-PZ-63I
765174002	765182002	BRA-BRGWC-30I
765174003	765182003	BRA-APBCD-EB-04
765174004	765182004	BRA-APBCD-FD-01
765174005	765182005	BRA-BRGWC-29I
765174006	765182006	BRA-BRGWC-32S
765174007	765182007	BRA-BRGWC-52I
765174008	765182008	BRA-BRGWC-27I
765174009	765182009	BRA-APBCD-FD-02
765174010	765182010	BRA-APBCD-FB-01
765174011	765182011	BRA-BRGWC-47
765174012	765182012	BRA-BRGWC-45

Laboratory IDs		Client IDs
765174013	765182013	BRA-PZ-74I
765174014	765182014	BRA-PZ-75I
765174015	765182015	BRA-BRGWC-44
765174016	765182016	BRA-APBCD-FB-02
765174017	765182017	BRA-BRGWC-25I
765174018	765182018	BRA-APBCD-EB-05
765174019	765727002	BRA-BRGWA-23S
765184001		BRA-PZ-84I
765184002		BRA-PZ-69I
765184003		BRA-PZ-79
765184004		BRA-PZ-82I
765184005		BRA-PZ-75D
765722001	765723001	BRA-PZ-81
765726001	765727001	BRA-PZ-68D
	765727002	BRA-BRGWA-23S
765769001	765770001	BRA-PZ-80

The samples were received at 0.0 degrees Celsius (°C), outside of the EPA Region 4 criteria of 4°C $\pm$ 2°C. Since the samples were received between 0-6°C and based on professional judgment, no qualifications were applied to the data. 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-APBCD-FD-01 and BRA-APBCD-FD-02. The laboratory logged the sample in with the collection time of 00:00 in the laboratory reports.

765174: 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

764705: The laboratory noted that there was a discrepancy in the sample time for sample BRA-PZ-83I. The time written on the sample, 1602, did not match the sample time documented on the COC, 1605.

The laboratory noted that a sample labeled BRA with the rest of the label crossed out and no time noted. The only other sample that did not appear to correspond to any other container was BRA-HRSC-01-SCRN(20-25). Since this sample did not pertain to this report, no actions were necessary.

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.

Field Blank & Equipment Blank Associations

Field Blanks		**Equipment Blanks**	
BRA-APBCD-FB-01	**BRA-APBCD-FB-02**	**BRA-APBCD-EB-04**	**BRA-APBCD-EB-05**
All samples	All samples	Peri Pump	Water Level
		BRA-PZ-75I	All samples

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
- ✓ Electronic Data Deliverables Review

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

764705, 765174, 765726, 765184, 765769, & 765722: 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

Matrix spike (MS)/matrix spike duplicate (MSD) pairs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six sample set specific MS/MSD pairs were reported, using samples BRA-PZ-18I, BRA-PZ-63I, BRA-BRGWA-23S, BRA-PZ-84I, BRA-PZ-80, and BRA-PZ-81. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

765769: The recoveries of magnesium in the MS/MSD pair and the PS using sample BRA-PZ-80 were high and outside of laboratory specified acceptance criteria. Therefore, the concentration of magnesium in sample BRA-PZ-80 was J+ qualified as estimated with a high bias.

For sample concentrations greater than four times the spiked concentration, the recovery results were not assessed, and no qualifications were applied to the data.

Batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BRA-PZ-80	Magnesium	7.42	NA	7.42	J+	MS1

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 Reason codes are defined in Attachment 2 at the end of this report

1.5 Laboratory Control Sample

Laboratory controls samples (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-APBCD-FB-01 and BRA-APBCD-FB-02 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-APBCD-EB-04 and BRA-APBCD-EB-05 were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs.

1.9 Field Duplicate

Two field duplicate samples, BRA-APBCD-FD-01 and BRA-APBCD-FD-02 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-29I and BRA-BRGWC-52I, respectively.

1.10 Serial Dilution

Three sample set specific serial dilutions were reported for metals using samples BRA-PZ-18I, BRA-PZ-63I, BRA-BRGWA-23S, BRA-PZ-84I, BRA-PZ-80, and BRA-PZ-81. The percent difference (%D) results were within the method specified acceptance criteria, with the following exception.

765174: The %D for molybdenum in the serial dilution using sample BRA-PZ-63I was high and outside of laboratory specified acceptance criteria. Since the sample concentration was less than 50X the MDL, no qualifications were applied to the data.

The %D for boron in the serial dilution using sample BRA-BRGWA-23S was high and outside of laboratory specified acceptance criteria. Since the sample concentration was less than 50X the MDL, no qualifications were applied to the data.

765769: The %Ds for iron and molybdenum in the serial dilution using sample BRA-PZ-80 were high and outside of laboratory specified acceptance criteria. Since the sample concentrations were less than 50X the MDL, no qualifications were applied to the data.

Batch serial dilutions were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.11 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
- ✓ Electronic Data Deliverable Review

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

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 post spike (PS) were reported, using sample BRA-PZ-63I. The recovery results were within the laboratory specified acceptance criteria, with the following exceptions.

765174: The MS and PS recoveries of mercury were low and outside of laboratory specified acceptance criteria. Therefore, the nondetect result for mercury in sample BRA-PZ-63I was UJ qualified as estimated below the RL.

Batch MSs were 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.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BRA-PZ-63I	Mercury	0.000200	U	0.000200	UJ	MS1

mg/L- milligram per liter
U-Analyte was analyzed for, but not detected above the method detection limit

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 for mercury, using sample BRA-PZ-63I. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were 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

Two field blanks BRA-APBCD-FB-01 and BRA-APBCD-FB-02 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-APBCD-EB-04 and BRA-APBCD-EB-05 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-APBCD-FD-01 and BRA-APBCD-FD-02, 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-29I and BRA-BRGWC-52I, 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, alkalinity by SM 2320B, 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

764705, 765726, 765184, & 765769: The laboratory noted that samples BRA-PZ-18I, BRA-PZ-72I, BRA-PZ-73I, BRA-PZ-83I, BRA-PZ-68D, BRA-PZ-84I, BRA-PZ-69I, BRA-PZ-82I, BRA-PZ-75D, and BRA-PZ-80 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.

765174: The laboratory noted that to meet consecutive weight check criteria, weight events must be within 0.0005g of each other. After initial weight checks failed for sample BRA-BRGWC-29I, two additional weight checks were performed which failed to meet criteria. The failure to meet weigh back criteria is attributed to the matrix for sample, BRA-BRGWC-29I. Since the final weight did not show stability, the TDS concentration in sample BRA-BRGWC-29I was J qualified as estimated.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BRA-BRGWC-29I	Total Dissolved Solids	508	NA	508	J	OT1

mg/L- milligram per liter
NA-not applicable

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
Alkalinity	SM 2320B	14 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

Four sample set specific MSs were reported for anions, using samples BRA-PZ-72I, BRA-PZ-63I, BRA-BRGWC-44, and BRA-PZ-84I. The recovery results were within the laboratory specified acceptance criteria.

Three sample set specific MSs were reported for alkalinity, using samples MS BRA-BRGWC-52I, BRA-BRGWA-23S, and BRA-PZ-81. 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 or LCS/LCSD pair was reported for each analytical batch per analysis. The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Three sample set specific laboratory duplicates were reported for anions, using samples BRA-PZ-72I, BRA-PZ-63I, BRA-BRGWC-44, and BRA-PZ-84I. The RPD results were within the laboratory specified acceptance criteria.

Two sample set specific laboratory duplicates were reported for alkalinity, using samples BRA-BRGWC-52I, BRA-BRGWA-23S, and BRA-PZ-80. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were reported for TDS, alkalinity, 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

Two field blanks, BRA-APBCD-FB-01 and BRA-APBCD-FB-02, 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-APBCD-EB-04 and BRA-APBCD-EB-05, 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.

765174: Total Dissolved Solids (4.0 mg/L) was detected at an estimated concentration greater than the MDL and less than the RL in equipment blank, BRA-APBCD-EB-04. Since associated sample, BRA-PZ-75I, was detected at a concentration greater than five times the blank concentration, no qualifications were applied to the data.

3.9 Field Duplicate

Two field duplicate samples, BRA-APBCD-FD-01 and BRA-APBCD-FD-02, 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-29I and BRA-BRGWC-52I.

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

765182: Total radium in sample BRA-APBCD-FB-01 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-APBCD-FB-01 was U qualified as not detected.

Radium-226 was detected in sample BRA-APBCD-FD-01 at a concentration greater than the MDC and total radium was not detected. Since total radium is calculated from the combined radium 226 and 228 concentrations, and radium-226 was detected, the total radium result should be considered a detection greater than the MDC.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BRA-APBCD-FB-01	Combined Radium 226 + 228	1.99	NA	1.99	U	RO1
BRA-APBCD-FD-01	Combined Radium 226 + 228	1.08	U	1.08	NA	RO1

pCi/L-picocuries per liter
U-not detected at or above the minimum detectable concentration
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.

4.4 Matrix Spike/Matrix Spike Duplicate

One sample set specific MS was reported for radium-226 using sample, BRA-PZ-63I. The recovery results were within the laboratory specified acceptance criteria

Batch MS/MSD pairs were reported with the sample set. 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

Two sample set specific laboratory duplicates were reported for radium-228 using samples BRA-PZ-63I and BRA-PZ-80, and one sample set specific laboratory duplicate was reported for radium-226 using sample BRA-PZ-63I. The RPD results were within laboratory specified acceptance limits. In cases where the RPD was greater than 30%, the mean difference (MD) was assessed and found to be within the ≤ 3 range.

Batch laboratory duplicates were also reported with the sample set. 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 analyses. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Blank

Two field blanks BRA-APBCD-FB-01 and BRA-APBCD-FB-02, 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 [0.256 picocuries per liter (pCi/L)] was detected in BRA-APBCD-FB-01 at a concentration greater than the measured 2σ uncertainty. Therefore, 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, and the radium-226 concentrations with a mean difference greater than 2 in the associated samples were J qualified as estimated. Since the concentrations of radium-226 in samples BRA-PZ-81 and BRA-PZ-68D were greater than 10X the blank contamination, no qualifications were applied to those data.

Radium-228 (1.74 pCi/L) was detected in BRA-APBCD-FB-01 at a concentration greater than the measured 2σ uncertainty and radium-228 (2.00 pCi/L) was detected in BRA-APBCD-FB-02 at a concentration greater than the MDC. 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, and the radium-228 concentrations with a mean difference greater than 2 in the associated samples were J qualified as estimated.

In addition, the combined radium 226 + 228 concentrations for samples BRA-PZ-80, BRA-APBCD-EB-04, BRA-APBCD-FD-01, BRA-BRGWC-29I, BRA-BRGWC-30I, BRA-BRGWC-47, BRA-APBCD-EB-05, BRA-BRGWC-45, BRA-PZ-74I, BRA-BRGWC-44, BRA-PZ-75I, and BRA-PZ-63I were UJ qualified as not statistically distinguishable from the blank, and the combined radium 226 + 228 concentrations for samples BRA-PZ-81, BRA-BRGWA-23S, BRA-

PZ-68D, BRA-APBCD-FD-02, BRA-BRGWC-27I, BRA-BRGWC-32S, and BRA-BRGWC-52I were J qualified as estimated.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BRA-APBCD-EB-04	Radium-228	1.77	NA	1.77	UJ	BFH
BRA-APBCD-EB-04	Combined Radium 226 + 228	2.10	NA	2.10	UJ	BFH
BRA-APBCD-FD-01	Radium-226	0.499	NA	0.499	UJ	BFH
BRA-APBCD-FD-01	Combined Radium 226 + 228	1.08	U	1.08	UJ	RO1|BFH
BRA-APBCD-FD-02	Radium-226	1.73	NA	1.73	J	BFH
BRA-APBCD-FD-02	Radium-228	5.74	NA	5.74	J	BFH
BRA-APBCD-FD-02	Combined Radium 226 + 228	7.48	NA	7.48	J	BFH
BRA-BRGWC-27I	Radium-226	1.75	NA	1.75	J	BFH
BRA-BRGWC-27I	Combined Radium 226 + 228	2.80	NA	2.80	J	BFH
BRA-BRGWC-29I	Radium-228	2.87	NA	2.87	UJ	BFH
BRA-BRGWC-29I	Combined Radium 226 + 228	3.14	NA	3.14	UJ	BFH
BRA-BRGWC-30I	Radium-226	0.586	NA	0.586	UJ	BFH
BRA-BRGWC-30I	Radium-228	3.54	NA	3.54	UJ	BFH
BRA-BRGWC-30I	Combined Radium 226 + 228	4.12	NA	4.12	UJ	BFH
BRA-BRGWC-32S	Radium-226	0.731	NA	0.731	J	BFH
BRA-BRGWC-32S	Radium-228	2.23	NA	2.23	UJ	BFH
BRA-BRGWC-32S	Combined Radium 226 + 228	2.96	NA	2.96	J	BFH
BRA-BRGWC-47	Radium-226	0.581	NA	0.581	UJ	BFH
BRA-BRGWC-47	Combined Radium 226 + 228	1.89	NA	1.89	UJ	BFH
BRA-BRGWC-52I	Radium-226	2.33	NA	2.33	J	BFH
BRA-BRGWC-52I	Radium-228	5.60	NA	5.60	J	BFH
BRA-BRGWC-52I	Combined Radium 226 + 228	7.93	NA	7.93	J	BFH
BRA-APBCD-EB-05	Radium-228	2.51	NA	2.51	UJ	BFH
BRA-APBCD-EB-05	Combined Radium 226 + 228	2.67	NA	2.67	UJ	BFH
BRA-BRGWC-44	Radium-226	0.633	NA	0.633	UJ	BFH
BRA-BRGWC-44	Radium-228	2.47	NA	2.47	UJ	BFH
BRA-BRGWC-44	Combined Radium 226 + 228	3.10	NA	3.10	UJ	BFH
BRA-BRGWC-45	Radium-228	1.90	NA	1.90	UJ	BFH

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BRA-BRGWC-45	Combined Radium 226 + 228	1.98	NA	1.98	UJ	BFH
BRA-PZ-63I	Radium-226	0.240	NA	0.240	UJ	BFH
BRA-PZ-63I	Radium-228	2.67	NA	2.67	UJ	BFH
BRA-PZ-63I	Combined Radium 226 + 228	2.91	NA	2.91	UJ	BFH
BRA-PZ-74I	Radium-228	2.62	NA	2.62	UJ	BFH
BRA-PZ-74I	Combined Radium 226 + 228	2.72	NA	2.72	UJ	BFH
BRA-PZ-75I	Radium-226	0.439	NA	0.439	UJ	BFH
BRA-PZ-75I	Radium-228	1.90	NA	1.90	UJ	BFH
BRA-PZ-75I	Combined Radium 226 + 228	2.34	NA	2.34	UJ	BFH
BRA-PZ-81	Radium-228	2.43	NA	2.43	UJ	BFH
BRA-PZ-81	Combined Radium 226 + 228	5.08	NA	5.08	J	BFH
BRA-PZ-80	Radium-226	0.584	NA	0.584	UJ	BFH
BRA-PZ-80	Radium-228	2.22	NA	2.22	UJ	BFH
BRA-PZ-80	Combined Radium 226 + 228	2.81	NA	2.81	UJ	BFH
BRA-BRGWA-23S	Radium-226	0.889	NA	0.889	J	BFH
BRA-BRGWA-23S	Radium-228	2.91	NA	2.91	UJ	BFH
BRA-BRGWA-23S	Combined Radium 226 + 228	3.80	NA	3.80	J	BFH
BRA-PZ-68D	Radium-228	4.09	NA	4.09	UJ	BFH
BRA-PZ-68D	Combined Radium 226 + 228	7.61	NA	7.61	J	BFH

pCi/L-picocuries per liter
NA-not applicable

4.9 Equipment Blank

Two equipment blanks, BRA-APBCD-EB-04 and BRA-APBCD-EB-05, 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.

765182: Radium-226 (0.301 pCi/L) was detected in BRA-APBCD-EB-04 at a concentration greater than the measured 2σ uncertainty. Since radium-226 was previously qualified in the associated samples due to field blank contamination, no additional qualifications were applied to the data.

Radium-228 (1.77 pCi/L) was detected in BRA-APBCD-EB-04 at a concentration greater than the MDC. Since radium-228 was previously qualified in the associated samples due to field blank contamination, no additional qualifications were applied to the data.

Radium-228 (2.51 pCi/L) was detected in BRA-APBCD-EB-05 at a concentration greater than the MDC. Since radium-228 was previously qualified in the associated samples due to equipment blank contamination, no additional qualifications were applied to the data.

4.10 Field Duplicate

Two field duplicate samples, BRA-APBCD-FD-01 and BRA-APBCD-FD-02, were collected with the sample set. Acceptable precision [mean difference (MD) ≤ 3, RPD < 20% or difference < RL] was demonstrated between the field duplicates and the original samples, BRA-BRGWC-29I and BRA-BRGWC-52I.

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: 2/18/2026 12:20:09 PM
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: 12.71 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: 17.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 39 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Cloudy, sample time-1330

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	
2/18/2026 12:20 PM	00:00	6.876 pH	18.60 °C	107.1 µS/cm	7.950 mg/L	2.220 NTU	135.0 mV	12.71 ft	250.0 ml/min
2/18/2026 12:25 PM	05:00	6.190 pH	18.27 °C	121.3 µS/cm	0.977 mg/L	2.250 NTU	153.2 mV	13.40 ft	250.0 ml/min
2/18/2026 12:30 PM	10:00	6.269 pH	18.37 °C	125.3 µS/cm	0.786 mg/L	2.070 NTU	146.5 mV	14.10 ft	250.0 ml/min
2/18/2026 12:35 PM	15:00	6.313 pH	18.65 °C	126.4 µS/cm	0.831 mg/L	1.300 NTU	138.7 mV	14.90 ft	250.0 ml/min
2/18/2026 12:40 PM	20:00	6.352 pH	18.60 °C	126.7 µS/cm	0.773 mg/L	1.590 NTU	132.1 mV	15.60 ft	250.0 ml/min
2/18/2026 12:45 PM	25:00	6.308 pH	18.47 °C	128.1 µS/cm	0.627 mg/L	2.120 NTU	138.4 mV	15.80 ft	250.0 ml/min
2/18/2026 12:50 PM	30:00	6.197 pH	18.65 °C	127.1 µS/cm	0.712 mg/L	1.920 NTU	141.0 mV	16.00 ft	250.0 ml/min
2/18/2026 12:55 PM	35:00	6.108 pH	19.14 °C	116.1 µS/cm	1.242 mg/L	1.770 NTU	147.5 mV	16.00 ft	250.0 ml/min
2/18/2026 1:00 PM	40:00	6.062 pH	19.26 °C	110.4 µS/cm	1.584 mg/L	1.910 NTU	130.7 mV	16.00 ft	250.0 ml/min
2/18/2026 1:05 PM	45:00	5.985 pH	18.73 °C	108.8 µS/cm	1.702 mg/L	1.830 NTU	142.4 mV	16.00 ft	250.0 ml/min
2/18/2026 1:10 PM	50:00	5.841 pH	18.47 °C	106.3 µS/cm	1.820 mg/L	1.570 NTU	144.5 mV	16.00 ft	250.0 ml/min
2/18/2026 1:15 PM	55:00	5.898 pH	18.51 °C	105.4 µS/cm	1.877 mg/L	1.620 NTU	133.2 mV	16.00 ft	250.0 ml/min
2/18/2026 1:20 PM	01:00:00	6.305 pH	19.23 °C	105.3 µS/cm	1.911 mg/L	1.550 NTU	112.8 mV	16.00 ft	250.0 ml/min
2/18/2026 1:25 PM	01:05:00	6.354 pH	19.18 °C	104.1 µS/cm	1.922 mg/L	1.450 NTU	116.1 mV	16.00 ft	250.0 ml/min

2/18/2026 1:30 PM	01:10:00	6.305 pH	18.80 °C	103.3 µS/cm	1.952 mg/L	1.630 NTU	111.1 mV	16.00 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2026 1:50:40 PM
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: 12.86 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: 3 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Cloudy, sample time -1420

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	+/- 0.5225	
2/18/2026 1:50 PM	00:00	6.362 pH	21.55 °C	104.8 µS/cm	2.267 mg/L	6.350 NTU	108.8 mV	12.86 ft	225.0 ml/min
2/18/2026 1:55 PM	05:00	5.799 pH	19.74 °C	65.44 µS/cm	4.612 mg/L	4.210 NTU	94.0 mV	13.10 ft	225.0 ml/min
2/18/2026 2:00 PM	10:00	5.650 pH	19.26 °C	66.75 µS/cm	1.391 mg/L	1.990 NTU	98.0 mV	13.10 ft	225.0 ml/min
2/18/2026 2:05 PM	15:00	5.683 pH	19.63 °C	66.96 µS/cm	0.721 mg/L	1.630 NTU	102.6 mV	13.10 ft	225.0 ml/min
2/18/2026 2:10 PM	20:00	5.650 pH	19.40 °C	66.34 µS/cm	0.512 mg/L	1.850 NTU	100.1 mV	13.10 ft	225.0 ml/min
2/18/2026 2:15 PM	25:00	5.635 pH	19.19 °C	66.08 µS/cm	0.455 mg/L	1.190 NTU	104.5 mV	13.10 ft	225.0 ml/min
2/18/2026 2:20 PM	30:00	5.632 pH	18.98 °C	65.47 µS/cm	0.458 mg/L	1.160 NTU	102.3 mV	13.10 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 2:50:05 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

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: 14.82 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 58.9 ft** **Estimated Total Volume Pumped: 8.8 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.14 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1525, cloudy 72 degrees

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	
2/18/2026 2:50 PM	00:00	6.197 pH	18.64 °C	131.3 µS/cm	1.500 mg/L	2.870 NTU	27.0 mV	14.82 ft	250.0 ml/min
2/18/2026 2:55 PM	05:00	6.209 pH	18.43 °C	133.1 µS/cm	1.369 mg/L	2.760 NTU	15.6 mV	14.96 ft	250.0 ml/min
2/18/2026 3:00 PM	10:00	6.206 pH	18.36 °C	131.0 µS/cm	1.778 mg/L	2.450 NTU	15.0 mV	14.96 ft	250.0 ml/min
2/18/2026 3:05 PM	15:00	6.198 pH	18.31 °C	128.6 µS/cm	2.258 mg/L	1.860 NTU	16.4 mV	14.96 ft	250.0 ml/min
2/18/2026 3:10 PM	20:00	6.183 pH	18.34 °C	127.4 µS/cm	2.532 mg/L	1.400 NTU	18.9 mV	14.96 ft	250.0 ml/min
2/18/2026 3:15 PM	25:00	6.181 pH	18.26 °C	126.7 µS/cm	2.697 mg/L	0.920 NTU	21.4 mV	14.96 ft	250.0 ml/min
2/18/2026 3:20 PM	30:00	6.178 pH	18.27 °C	126.6 µS/cm	2.744 mg/L	1.140 NTU	24.3 mV	14.96 ft	250.0 ml/min
2/18/2026 3:25 PM	35:00	6.175 pH	18.22 °C	126.4 µS/cm	2.758 mg/L	1.020 NTU	27.5 mV	14.96 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 2:10:09 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: BRGWA-5S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33 ft** **Total Depth: 43.06 ft** **Initial Depth to Water: 14.93 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 6.87 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 3.48 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1435. Sunny, 66 degrees F.

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	
2/18/2026 2:10 PM	00:00	6.525 pH	20.18 °C	141.2 µS/cm	6.990 mg/L	3.330 NTU	100.9 mV	14.93 ft	275.0 ml/min
2/18/2026 2:15 PM	05:00	6.299 pH	19.34 °C	139.6 µS/cm	4.674 mg/L	2.270 NTU	103.8 mV	15.12 ft	275.0 ml/min
2/18/2026 2:20 PM	10:00	6.318 pH	19.11 °C	139.6 µS/cm	4.348 mg/L	2.150 NTU	104.6 mV	15.12 ft	275.0 ml/min
2/18/2026 2:25 PM	15:00	6.302 pH	18.95 °C	146.5 µS/cm	4.228 mg/L	2.040 NTU	108.3 mV	15.17 ft	275.0 ml/min
2/18/2026 2:30 PM	20:00	6.300 pH	18.90 °C	146.5 µS/cm	4.232 mg/L	1.870 NTU	110.6 mV	15.22 ft	275.0 ml/min
2/18/2026 2:35 PM	25:00	6.308 pH	18.76 °C	142.1 µS/cm	4.233 mg/L	1.180 NTU	112.7 mV	15.22 ft	275.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 1:04:24 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: BRGWA-6S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.86 ft** **Total Depth: 52.86 ft** **Initial Depth to Water: 30.38 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 5.62 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 1.28 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1329. Sunny, 67 degrees F.

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	
2/18/2026 1:04 PM	00:00	6.726 pH	20.13 °C	71.44 µS/cm	7.530 mg/L	2.250 NTU	45.3 mV	30.38 ft	225.0 ml/min
2/18/2026 1:09 PM	05:00	6.219 pH	19.48 °C	58.05 µS/cm	6.734 mg/L	2.700 NTU	55.9 mV	31.12 ft	225.0 ml/min
2/18/2026 1:14 PM	10:00	6.326 pH	19.34 °C	58.93 µS/cm	6.573 mg/L	2.610 NTU	53.7 mV	31.22 ft	225.0 ml/min
2/18/2026 1:19 PM	15:00	6.361 pH	19.46 °C	58.32 µS/cm	6.543 mg/L	2.060 NTU	57.8 mV	31.27 ft	225.0 ml/min
2/18/2026 1:24 PM	20:00	6.353 pH	19.92 °C	60.50 µS/cm	6.443 mg/L	1.980 NTU	64.6 mV	31.30 ft	225.0 ml/min
2/18/2026 1:29 PM	25:00	6.377 pH	19.61 °C	57.62 µS/cm	6.412 mg/L	1.820 NTU	69.0 mV	31.32 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 3:44:28 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

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: 42.4 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 1 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 7.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes: 1554 well dry. Allow for overnight recharge. Checked the next day 2/19, not enough recharge for sample collection. Will come back next week.

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	
2/18/2026 3:44 PM	00:00	5.892 pH	24.66 °C	120.7 µS/cm	6.611 mg/L	123.0 NTU	141.2 mV	42.40 ft	100.0 ml/min
2/18/2026 3:49 PM	05:00	5.708 pH	21.35 °C	127.4 µS/cm	5.311 mg/L	116.0 NTU	156.1 mV	43.00 ft	100.0 ml/min
2/18/2026 3:54 PM	10:00	5.790 pH	22.09 °C	130.7 µS/cm	5.762 mg/L	127.0 NTU	156.2 mV	43.00 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/23/2026 2:30:24 PM
Project: Plant Branch Ash Ponds
Operator Name: J. May

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: 42.47 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 43.1 ft** **Estimated Total Volume Pumped: 0.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 2.04 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Well purged dry at 1435, allow for overnight recharge.
Sunny, 40s

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	
2/23/2026 2:30 PM	00:00	6.634 pH	16.88 °C	85.25 µS/cm	9.033 mg/L	10.20 NTU	135.8 mV	42.47 ft	100.0 ml/min
2/23/2026 2:35 PM	05:00	5.988 pH	15.94 °C	69.53 µS/cm	6.124 mg/L	2.830 NTU	139.7 mV	42.64 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 2:13:02 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

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: 42.6 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 100 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Log 2. Sample taken at 0950 and needed recharge time to collect field reading. Well purged dry again before all samples were collect. Will revisit tomorrow.

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	
2/19/2026 2:13 PM	00:00	6.042 pH	26.27 °C	132.4 µS/cm	7.808 mg/L	4.690 NTU	158.0 mV	42.60 ft	100.0 ml/min
2/19/2026 2:14 PM	01:00	6.035 pH	26.45 °C	135.8 µS/cm	7.714 mg/L	4.690 NTU	154.9 mV	42.60 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/24/2026 10:52:13 AM
Project: Plant Branch Ash Ponds
Operator Name: J. May

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: 42.51 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 43.1 ft** **Estimated Total Volume Pumped: 0.4 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.56 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample Time: 0934; Final Volume was collected
Readings collected after sampling due to limited volume.
Sunny, 40s

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	
2/24/2026 10:52 AM	00:00	5.797 pH	11.31 °C	84.75 µS/cm	7.371 mg/L	2.550 NTU	184.9 mV	42.51 ft	100.0 ml/min
2/24/2026 10:53 AM	01:00	5.804 pH	11.08 °C	83.59 µS/cm	7.315 mg/L	3.130 NTU	181.5 mV	42.64 ft	100.0 ml/min
2/24/2026 10:54 AM	02:00	5.823 pH	10.83 °C	82.98 µS/cm	7.483 mg/L	4.560 NTU	179.8 mV	42.64 ft	100.0 ml/min
2/24/2026 10:55 AM	03:00	5.830 pH	10.22 °C	79.69 µS/cm	7.618 mg/L	2.760 NTU	178.5 mV	42.64 ft	100.0 ml/min
2/24/2026 10:56 AM	04:00	5.849 pH	10.24 °C	79.54 µS/cm	7.635 mg/L	6.130 NTU	180.5 mV	42.64 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 2:55:11 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: BRGWC-25I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.9 ft** **Total Depth: 22.9 ft** **Initial Depth to Water: 12.82 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17.9 ft** **Estimated Total Volume Pumped: 19.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.18 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample time 1600, Sunny 79 degrees

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	
2/19/2026 2:55 PM	00:00	6.077 pH	20.59 °C	360.8 µS/cm	1.269 mg/L	1.300 NTU	197.8 mV	12.82 ft	300.0 ml/min
2/19/2026 3:00 PM	05:00	6.136 pH	18.73 °C	358.0 µS/cm	0.233 mg/L	0.750 NTU	193.1 mV	12.96 ft	300.0 ml/min
2/19/2026 3:05 PM	10:00	6.161 pH	18.45 °C	358.4 µS/cm	0.225 mg/L	0.720 NTU	181.7 mV	13.00 ft	300.0 ml/min
2/19/2026 3:10 PM	15:00	6.173 pH	18.45 °C	358.0 µS/cm	0.218 mg/L	0.680 NTU	179.9 mV	13.00 ft	300.0 ml/min
2/19/2026 3:15 PM	20:00	6.184 pH	18.41 °C	358.1 µS/cm	0.207 mg/L	0.520 NTU	177.6 mV	13.00 ft	300.0 ml/min
2/19/2026 3:20 PM	25:00	6.188 pH	18.42 °C	358.5 µS/cm	0.205 mg/L	0.500 NTU	176.2 mV	13.00 ft	300.0 ml/min
2/19/2026 3:25 PM	30:00	6.190 pH	18.39 °C	358.0 µS/cm	0.207 mg/L	0.590 NTU	178.9 mV	13.00 ft	300.0 ml/min
2/19/2026 3:30 PM	35:00	6.191 pH	18.27 °C	357.8 µS/cm	0.198 mg/L	0.610 NTU	174.9 mV	13.00 ft	300.0 ml/min
2/19/2026 3:35 PM	40:00	6.191 pH	18.28 °C	358.3 µS/cm	0.184 mg/L	0.640 NTU	174.4 mV	13.00 ft	300.0 ml/min
2/19/2026 3:40 PM	45:00	6.191 pH	18.25 °C	358.3 µS/cm	0.187 mg/L	0.540 NTU	175.3 mV	13.00 ft	300.0 ml/min
2/19/2026 3:45 PM	50:00	6.190 pH	18.25 °C	358.1 µS/cm	0.181 mg/L	0.610 NTU	173.9 mV	13.00 ft	300.0 ml/min
2/19/2026 3:50 PM	55:00	6.190 pH	18.30 °C	358.5 µS/cm	0.176 mg/L	0.570 NTU	173.7 mV	13.00 ft	300.0 ml/min
2/19/2026 3:55 PM	01:00:00	6.189 pH	18.16 °C	358.5 µS/cm	0.174 mg/L	0.430 NTU	173.9 mV	13.00 ft	300.0 ml/min
2/19/2026 4:00 PM	01:05:00	6.188 pH	18.14 °C	358.5 µS/cm	0.171 mg/L	0.510 NTU	174.0 mV	13.00 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/19/2026 12:10:08 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: BRGWC-27I **Latitude: 33.18612350809855** **Longitude: -83.29229765624238** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.9 ft** **Total Depth: 26.9 ft** **Initial Depth to Water: 13.67 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 21.9 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1255, cloudy 75 degrees

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	
2/19/2026 12:10 PM	00:00	5.543 pH	18.65 °C	235.3 µS/cm	2.834 mg/L	0.340 NTU	194.1 mV	13.67 ft	200.0 ml/min
2/19/2026 12:15 PM	05:00	5.592 pH	18.68 °C	221.6 µS/cm	1.845 mg/L	0.450 NTU	194.1 mV	13.70 ft	200.0 ml/min
2/19/2026 12:20 PM	10:00	5.587 pH	18.80 °C	221.6 µS/cm	1.510 mg/L	0.390 NTU	199.1 mV	13.70 ft	200.0 ml/min
2/19/2026 12:25 PM	15:00	5.598 pH	18.90 °C	225.1 µS/cm	1.399 mg/L	0.360 NTU	203.8 mV	13.70 ft	200.0 ml/min
2/19/2026 12:30 PM	20:00	5.627 pH	18.80 °C	233.6 µS/cm	1.312 mg/L	0.540 NTU	209.2 mV	13.70 ft	200.0 ml/min
2/19/2026 12:35 PM	25:00	5.652 pH	18.72 °C	241.4 µS/cm	1.251 mg/L	0.790 NTU	213.2 mV	13.70 ft	200.0 ml/min
2/19/2026 12:40 PM	30:00	5.682 pH	18.72 °C	250.6 µS/cm	1.193 mg/L	0.290 NTU	217.4 mV	13.70 ft	200.0 ml/min
2/19/2026 12:45 PM	35:00	5.713 pH	18.90 °C	257.9 µS/cm	1.151 mg/L	0.730 NTU	220.0 mV	13.70 ft	200.0 ml/min
2/19/2026 12:50 PM	40:00	5.734 pH	19.01 °C	262.3 µS/cm	1.109 mg/L	0.400 NTU	223.2 mV	13.70 ft	200.0 ml/min
2/19/2026 12:55 PM	45:00	5.752 pH	18.85 °C	268.4 µS/cm	1.072 mg/L	0.170 NTU	227.5 mV	13.70 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/19/2026 9:55:04 AM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: BRGWC-29I **Latitude: 33.181769151941566** **Longitude: -83.3001114459198** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.6 ft** **Total Depth: 22.6 ft** **Initial Depth to Water: 11.34 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17.6 ft** **Estimated Total Volume Pumped: 16.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.06 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1050, cloudy 69 degrees, FD-01 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	
2/19/2026 9:55 AM	00:00	3.671 pH	18.64 °C	525.8 µS/cm	3.092 mg/L	2.730 NTU	230.9 mV	11.34 ft	300.0 ml/min
2/19/2026 10:00 AM	05:00	4.142 pH	18.91 °C	509.9 µS/cm	0.436 mg/L	2.520 NTU	215.4 mV	11.40 ft	300.0 ml/min
2/19/2026 10:05 AM	10:00	4.227 pH	18.94 °C	504.7 µS/cm	0.234 mg/L	2.050 NTU	211.4 mV	11.40 ft	300.0 ml/min
2/19/2026 10:10 AM	15:00	4.256 pH	18.94 °C	502.5 µS/cm	0.207 mg/L	2.580 NTU	212.9 mV	11.40 ft	300.0 ml/min
2/19/2026 10:15 AM	20:00	4.278 pH	19.02 °C	502.1 µS/cm	0.192 mg/L	1.630 NTU	215.3 mV	11.40 ft	300.0 ml/min
2/19/2026 10:20 AM	25:00	4.289 pH	18.98 °C	502.1 µS/cm	0.178 mg/L	1.170 NTU	218.8 mV	11.40 ft	300.0 ml/min
2/19/2026 10:25 AM	30:00	4.303 pH	19.03 °C	501.9 µS/cm	0.175 mg/L	1.280 NTU	222.1 mV	11.40 ft	300.0 ml/min
2/19/2026 10:30 AM	35:00	4.307 pH	19.03 °C	500.8 µS/cm	0.176 mg/L	1.030 NTU	226.0 mV	11.40 ft	300.0 ml/min
2/19/2026 10:35 AM	40:00	4.309 pH	19.06 °C	501.2 µS/cm	0.168 mg/L	1.120 NTU	229.9 mV	11.40 ft	300.0 ml/min
2/19/2026 10:40 AM	45:00	4.315 pH	19.11 °C	500.9 µS/cm	0.170 mg/L	1.010 NTU	233.2 mV	11.40 ft	300.0 ml/min
2/19/2026 10:45 AM	50:00	4.314 pH	19.12 °C	500.1 µS/cm	0.164 mg/L	0.830 NTU	236.4 mV	11.40 ft	300.0 ml/min
2/19/2026 10:50 AM	55:00	4.308 pH	19.16 °C	499.7 µS/cm	0.162 mg/L	1.000 NTU	240.0 mV	11.40 ft	300.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 9:40:40 AM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-30I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.9 ft** **Total Depth: 22.9 ft** **Initial Depth to Water: 5.33 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 10.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Cloudy, sample time 1015

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	
2/19/2026 9:40 AM	00:00	6.486 pH	16.08 °C	1,468 µS/cm	2.837 mg/L	24.00 NTU	210.2 mV	5.330 ft	300.0 ml/min
2/19/2026 9:45 AM	05:00	6.471 pH	16.71 °C	1,546 µS/cm	1.624 mg/L	12.00 NTU	175.7 mV	5.800 ft	300.0 ml/min
2/19/2026 9:50 AM	10:00	6.437 pH	17.16 °C	1,615 µS/cm	1.052 mg/L	5.710 NTU	143.9 mV	5.800 ft	300.0 ml/min
2/19/2026 9:55 AM	15:00	6.410 pH	17.57 °C	1,660 µS/cm	0.519 mg/L	4.610 NTU	136.1 mV	5.800 ft	300.0 ml/min
2/19/2026 10:00 AM	20:00	6.408 pH	17.64 °C	1,666 µS/cm	0.682 mg/L	3.720 NTU	131.9 mV	5.800 ft	300.0 ml/min
2/19/2026 10:05 AM	25:00	6.389 pH	17.80 °C	1,670 µS/cm	0.550 mg/L	4.420 NTU	128.4 mV	5.800 ft	300.0 ml/min
2/19/2026 10:10 AM	30:00	6.388 pH	17.88 °C	1,671 µS/cm	0.556 mg/L	1.580 NTU	128.7 mV	5.800 ft	300.0 ml/min
2/19/2026 10:15 AM	35:00	6.406 pH	17.93 °C	1,665 µS/cm	0.509 mg/L	1.700 NTU	129.5 mV	5.800 ft	300.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 10:30:12 AM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: BRGWC-32S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.79 ft** **Total Depth: 47.79 ft** **Initial Depth to Water: 41.26 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: 12.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1140. Cloudy, 73 degrees F.

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	
2/19/2026 10:30 AM	00:00	5.742 pH	19.90 °C	405.2 µS/cm	7.280 mg/L	35.50 NTU	184.9 mV	41.26 ft	175.0 ml/min
2/19/2026 10:35 AM	05:00	5.846 pH	19.74 °C	398.2 µS/cm	5.919 mg/L	29.80 NTU	175.1 mV	41.26 ft	175.0 ml/min
2/19/2026 10:40 AM	10:00	5.856 pH	19.84 °C	395.8 µS/cm	5.894 mg/L	25.20 NTU	170.8 mV	41.26 ft	175.0 ml/min
2/19/2026 10:45 AM	15:00	5.856 pH	19.99 °C	399.7 µS/cm	5.843 mg/L	18.40 NTU	167.7 mV	41.26 ft	175.0 ml/min
2/19/2026 10:50 AM	20:00	5.882 pH	20.00 °C	406.2 µS/cm	5.851 mg/L	10.80 NTU	167.0 mV	41.26 ft	175.0 ml/min
2/19/2026 10:55 AM	25:00	5.860 pH	20.07 °C	411.7 µS/cm	5.850 mg/L	2.610 NTU	169.1 mV	41.26 ft	175.0 ml/min
2/19/2026 11:00 AM	30:00	5.890 pH	20.42 °C	415.5 µS/cm	5.830 mg/L	2.020 NTU	168.7 mV	41.26 ft	175.0 ml/min
2/19/2026 11:05 AM	35:00	5.882 pH	20.36 °C	418.5 µS/cm	5.834 mg/L	1.450 NTU	168.6 mV	41.26 ft	175.0 ml/min
2/19/2026 11:10 AM	40:00	5.856 pH	20.49 °C	419.2 µS/cm	5.820 mg/L	1.090 NTU	171.0 mV	41.26 ft	175.0 ml/min
2/19/2026 11:15 AM	45:00	5.889 pH	20.57 °C	419.2 µS/cm	5.831 mg/L	0.630 NTU	169.7 mV	41.26 ft	175.0 ml/min
2/19/2026 11:20 AM	50:00	5.870 pH	20.45 °C	418.9 µS/cm	5.852 mg/L	0.520 NTU	171.0 mV	41.26 ft	175.0 ml/min
2/19/2026 11:25 AM	55:00	5.888 pH	20.51 °C	418.7 µS/cm	5.842 mg/L	0.530 NTU	171.0 mV	41.26 ft	175.0 ml/min
2/19/2026 11:30 AM	01:00:00	5.869 pH	20.41 °C	418.4 µS/cm	5.877 mg/L	0.450 NTU	172.5 mV	41.26 ft	175.0 ml/min
2/19/2026 11:35 AM	01:05:00	5.862 pH	20.53 °C	418.1 µS/cm	5.863 mg/L	0.430 NTU	173.3 mV	41.26 ft	175.0 ml/min

2/19/2026 11:40 AM	01:10:00	5.869 pH	20.46 °C	417.9 µS/cm	5.891 mg/L	0.400 NTU	174.0 mV	41.26 ft	175.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 4:09:01 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: BRGWC-44 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.1 ft** **Total Depth: 59.54 ft** **Initial Depth to Water: 31.47 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 6.8 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 0.84 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1634. FB-02 here. Sunny, 77 degrees F.

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	
2/19/2026 4:09 PM	00:00	6.251 pH	22.02 °C	258.1 µS/cm	2.991 mg/L	1.450 NTU	153.7 mV	31.47 ft	275.0 ml/min
2/19/2026 4:14 PM	05:00	6.095 pH	21.70 °C	259.7 µS/cm	0.928 mg/L	4.480 NTU	155.8 mV	31.51 ft	275.0 ml/min
2/19/2026 4:19 PM	10:00	6.066 pH	21.39 °C	260.0 µS/cm	0.286 mg/L	3.900 NTU	156.7 mV	31.54 ft	275.0 ml/min
2/19/2026 4:24 PM	15:00	6.071 pH	21.62 °C	260.8 µS/cm	0.208 mg/L	3.190 NTU	156.7 mV	31.54 ft	275.0 ml/min
2/19/2026 4:29 PM	20:00	6.065 pH	21.34 °C	260.7 µS/cm	0.202 mg/L	2.060 NTU	156.9 mV	31.54 ft	275.0 ml/min
2/19/2026 4:34 PM	25:00	6.033 pH	21.30 °C	260.3 µS/cm	0.197 mg/L	1.470 NTU	157.9 mV	31.54 ft	275.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 1:00:04 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-45 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50 ft** **Total Depth: 60 ft** **Initial Depth to Water: 16.83 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 54 ft** **Estimated Total Volume Pumped: 15 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 5 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sunny, sample time -1400

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	
2/19/2026 1:00 PM	00:00	5.378 pH	21.95 °C	731.3 µS/cm	2.130 mg/L	1.390 NTU	109.1 mV	16.83 ft	250.0 ml/min
2/19/2026 1:05 PM	05:00	5.609 pH	21.81 °C	739.5 µS/cm	1.161 mg/L	1.440 NTU	92.9 mV	17.20 ft	250.0 ml/min
2/19/2026 1:10 PM	10:00	5.703 pH	21.72 °C	763.4 µS/cm	0.521 mg/L	1.620 NTU	84.0 mV	17.20 ft	250.0 ml/min
2/19/2026 1:15 PM	15:00	5.730 pH	21.59 °C	769.8 µS/cm	0.386 mg/L	1.250 NTU	86.8 mV	17.20 ft	250.0 ml/min
2/19/2026 1:20 PM	20:00	5.754 pH	21.55 °C	761.2 µS/cm	0.352 mg/L	1.100 NTU	92.5 mV	17.20 ft	250.0 ml/min
2/19/2026 1:25 PM	25:00	5.745 pH	21.54 °C	762.7 µS/cm	0.341 mg/L	0.680 NTU	100.6 mV	17.20 ft	250.0 ml/min
2/19/2026 1:30 PM	30:00	5.751 pH	21.55 °C	758.1 µS/cm	0.340 mg/L	0.720 NTU	105.6 mV	17.20 ft	250.0 ml/min
2/19/2026 1:35 PM	35:00	5.748 pH	21.53 °C	760.3 µS/cm	0.328 mg/L	0.870 NTU	112.7 mV	17.20 ft	250.0 ml/min
2/19/2026 1:40 PM	40:00	5.735 pH	21.53 °C	755.1 µS/cm	0.315 mg/L	0.650 NTU	119.4 mV	17.20 ft	250.0 ml/min
2/19/2026 1:45 PM	45:00	5.784 pH	21.62 °C	756.3 µS/cm	0.319 mg/L	0.500 NTU	122.5 mV	17.20 ft	250.0 ml/min
2/19/2026 1:50 PM	50:00	5.812 pH	21.63 °C	748.5 µS/cm	0.324 mg/L	0.430 NTU	128.3 mV	17.20 ft	250.0 ml/min
2/19/2026 1:55 PM	55:00	5.809 pH	21.63 °C	747.5 µS/cm	0.307 mg/L	0.480 NTU	137.3 mV	17.20 ft	250.0 ml/min
2/19/2026 2:00 PM	01:00:00	5.795 pH	21.61 °C	748.5 µS/cm	0.298 mg/L	0.390 NTU	147.0 mV	17.20 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/19/2026 12:25:16 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: BRGWC-47 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 84 ft** **Total Depth: 94.4 ft** **Initial Depth to Water: 32.21 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 89 ft** **Estimated Total Volume Pumped: 3.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 8.76 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1250. Cloudy, 75 degrees F.
FB-01 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	
2/19/2026 12:25 PM	00:00	6.082 pH	24.26 °C	1,937 µS/cm	5.706 mg/L	3.070 NTU	129.3 mV	32.21 ft	150.0 ml/min
2/19/2026 12:30 PM	05:00	5.625 pH	22.72 °C	1,971 µS/cm	1.022 mg/L	2.220 NTU	140.4 mV	32.43 ft	150.0 ml/min
2/19/2026 12:35 PM	10:00	5.617 pH	22.81 °C	1,970 µS/cm	0.692 mg/L	1.360 NTU	155.9 mV	32.67 ft	150.0 ml/min
2/19/2026 12:40 PM	15:00	5.621 pH	22.32 °C	1,970 µS/cm	0.540 mg/L	1.180 NTU	165.9 mV	32.88 ft	150.0 ml/min
2/19/2026 12:45 PM	20:00	5.621 pH	22.53 °C	1,966 µS/cm	0.475 mg/L	1.020 NTU	173.3 mV	32.92 ft	150.0 ml/min
2/19/2026 12:50 PM	25:00	5.618 pH	22.92 °C	1,971 µS/cm	0.436 mg/L	0.810 NTU	178.9 mV	32.94 ft	150.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 11:00:16 AM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: BRGWC-52I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 66.6 ft** **Total Depth: 76.6 ft** **Initial Depth to Water: 40.92 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 71 ft** **Estimated Total Volume Pumped: 16.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 8 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sunny, sample time-1205, FD-02 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	+/- 0.5	
2/19/2026 11:00 AM	00:00	7.168 pH	20.30 °C	355.0 µS/cm	5.285 mg/L	0.690 NTU	137.3 mV	40.92 ft	250.0 ml/min
2/19/2026 11:05 AM	05:00	7.801 pH	20.35 °C	340.1 µS/cm	2.109 mg/L	0.630 NTU	82.4 mV	41.40 ft	250.0 ml/min
2/19/2026 11:10 AM	10:00	8.756 pH	20.62 °C	287.9 µS/cm	1.454 mg/L	0.780 NTU	85.8 mV	41.60 ft	250.0 ml/min
2/19/2026 11:15 AM	15:00	9.024 pH	20.61 °C	275.5 µS/cm	1.377 mg/L	0.960 NTU	87.1 mV	41.60 ft	250.0 ml/min
2/19/2026 11:20 AM	20:00	8.863 pH	20.48 °C	276.0 µS/cm	1.238 mg/L	0.840 NTU	88.9 mV	41.60 ft	250.0 ml/min
2/19/2026 11:25 AM	25:00	8.031 pH	20.56 °C	287.5 µS/cm	1.123 mg/L	0.740 NTU	86.7 mV	41.60 ft	250.0 ml/min
2/19/2026 11:30 AM	30:00	7.226 pH	20.45 °C	300.1 µS/cm	1.067 mg/L	1.020 NTU	77.2 mV	41.60 ft	250.0 ml/min
2/19/2026 11:35 AM	35:00	6.797 pH	19.85 °C	313.1 µS/cm	1.006 mg/L	0.640 NTU	74.7 mV	41.60 ft	250.0 ml/min
2/19/2026 11:40 AM	40:00	6.586 pH	19.72 °C	315.0 µS/cm	0.643 mg/L	0.380 NTU	72.4 mV	41.60 ft	250.0 ml/min
2/19/2026 11:45 AM	45:00	6.342 pH	19.70 °C	323.7 µS/cm	0.493 mg/L	0.350 NTU	68.8 mV	41.60 ft	250.0 ml/min
2/19/2026 11:50 AM	50:00	6.217 pH	19.71 °C	333.3 µS/cm	0.487 mg/L	0.280 NTU	67.8 mV	41.60 ft	250.0 ml/min
2/19/2026 11:55 AM	55:00	6.172 pH	19.74 °C	340.7 µS/cm	0.481 mg/L	0.250 NTU	66.1 mV	41.60 ft	250.0 ml/min
2/19/2026 12:00 PM	01:00:00	6.116 pH	19.77 °C	345.0 µS/cm	0.476 mg/L	0.330 NTU	65.4 mV	41.60 ft	250.0 ml/min
2/19/2026 12:05 PM	01:05:00	6.097 pH	20.12 °C	348.4 µS/cm	0.459 mg/L	0.430 NTU	64.2 mV	41.60 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 3:30:11 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: PZ-63I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.21 ft** **Total Depth: 59.21 ft** **Initial Depth to Water: 40.13 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 54 ft** **Estimated Total Volume Pumped: 16 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Cloudy, sample time -1650

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	
2/18/2026 3:30 PM	00:00	5.865 pH	20.72 °C	692.8 µS/cm	7.700 mg/L	0.320 NTU	129.9 mV	40.13 ft	200.0 ml/min
2/18/2026 3:35 PM	05:00	5.440 pH	20.41 °C	740.4 µS/cm	1.490 mg/L	2.110 NTU	124.7 mV	40.60 ft	200.0 ml/min
2/18/2026 3:40 PM	10:00	5.497 pH	20.22 °C	750.0 µS/cm	0.452 mg/L	3.720 NTU	117.9 mV	40.60 ft	200.0 ml/min
2/18/2026 3:45 PM	15:00	5.492 pH	20.10 °C	749.4 µS/cm	0.324 mg/L	2.670 NTU	115.8 mV	40.60 ft	200.0 ml/min
2/18/2026 3:50 PM	20:00	5.494 pH	20.19 °C	749.9 µS/cm	0.278 mg/L	1.260 NTU	112.7 mV	40.60 ft	200.0 ml/min
2/18/2026 3:55 PM	25:00	5.492 pH	20.21 °C	748.9 µS/cm	0.253 mg/L	1.740 NTU	112.5 mV	40.60 ft	200.0 ml/min
2/18/2026 4:00 PM	30:00	5.515 pH	20.14 °C	748.9 µS/cm	0.344 mg/L	1.690 NTU	111.3 mV	40.60 ft	200.0 ml/min
2/18/2026 4:05 PM	35:00	5.525 pH	20.30 °C	750.1 µS/cm	0.408 mg/L	1.980 NTU	111.2 mV	40.60 ft	200.0 ml/min
2/18/2026 4:10 PM	40:00	5.519 pH	20.30 °C	750.5 µS/cm	0.429 mg/L	1.730 NTU	110.9 mV	40.60 ft	200.0 ml/min
2/18/2026 4:15 PM	45:00	5.464 pH	21.03 °C	754.8 µS/cm	0.388 mg/L	1.570 NTU	112.2 mV	40.60 ft	200.0 ml/min
2/18/2026 4:20 PM	50:00	5.504 pH	20.47 °C	752.2 µS/cm	0.553 mg/L	1.730 NTU	111.0 mV	40.60 ft	200.0 ml/min
2/18/2026 4:25 PM	55:28	9.877 pH	22.17 °C	3.310 µS/cm	8.467 mg/L	1.280 NTU	188.5 mV	40.60 ft	200.0 ml/min
2/18/2026 4:30 PM	01:00:28	5.091 pH	19.90 °C	748.9 µS/cm	0.241 mg/L	1.520 NTU	139.8 mV	40.60 ft	200.0 ml/min
2/18/2026 4:35 PM	01:05:28	5.273 pH	20.02 °C	751.3 µS/cm	0.242 mg/L	1.360 NTU	125.7 mV	40.60 ft	200.0 ml/min

2/18/2026 4:40 PM	01:10:28	5.287 pH	19.94 °C	751.6 µS/cm	0.276 mg/L	1.290 NTU	118.7 mV	40.60 ft	200.0 ml/min
2/18/2026 4:45 PM	01:15:28	5.276 pH	19.76 °C	752.3 µS/cm	0.262 mg/L	0.890 NTU	109.3 mV	40.60 ft	200.0 ml/min
2/18/2026 4:50 PM	01:20:28	5.291 pH	19.74 °C	751.3 µS/cm	0.218 mg/L	0.420 NTU	112.3 mV	40.60 ft	200.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/23/2026 12:00:08 PM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: PZ-68D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 77 ft** **Total Depth: 87 ft** **Initial Depth to Water: 42.34 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 82 ft** **Estimated Total Volume Pumped: 34.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 325 ml/min** **Final Draw Down: 469.92 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Well purged dry at 1400, allow for overnight recharge.
Sunny, 40s

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	
2/23/2026 12:00 PM	00:00	6.726 pH	14.42 °C	552.1 µS/cm	8.514 mg/L	8.950 NTU	220.7 mV	42.34 ft	100.0 ml/min
2/23/2026 12:05 PM	05:00	6.939 pH	15.21 °C	579.5 µS/cm	2.456 mg/L	14.90 NTU	216.6 mV	43.10 ft	100.0 ml/min
2/23/2026 12:10 PM	10:00	7.072 pH	15.11 °C	590.8 µS/cm	1.040 mg/L	11.40 NTU	210.9 mV	43.70 ft	100.0 ml/min
2/23/2026 12:15 PM	15:00	7.102 pH	15.33 °C	600.2 µS/cm	0.735 mg/L	16.10 NTU	203.5 mV	44.40 ft	100.0 ml/min
2/23/2026 12:20 PM	20:00	7.082 pH	17.66 °C	589.7 µS/cm	1.032 mg/L	17.10 NTU	202.4 mV	46.70 ft	325.0 ml/min
2/23/2026 12:25 PM	25:00	7.063 pH	17.75 °C	579.6 µS/cm	0.970 mg/L	13.60 NTU	190.8 mV	48.60 ft	325.0 ml/min
2/23/2026 12:30 PM	30:00	6.982 pH	17.68 °C	548.4 µS/cm	1.962 mg/L	10.80 NTU	188.8 mV	50.50 ft	325.0 ml/min
2/23/2026 12:35 PM	35:00	6.966 pH	17.67 °C	538.0 µS/cm	2.266 mg/L	8.240 NTU	183.5 mV	52.80 ft	325.0 ml/min
2/23/2026 12:40 PM	40:00	6.972 pH	17.67 °C	535.3 µS/cm	2.365 mg/L	5.860 NTU	178.7 mV	55.10 ft	325.0 ml/min
2/23/2026 12:45 PM	45:00	6.991 pH	17.72 °C	531.8 µS/cm	2.614 mg/L	5.750 NTU	176.2 mV	57.30 ft	325.0 ml/min
2/23/2026 12:50 PM	50:00	7.013 pH	17.79 °C	525.4 µS/cm	2.917 mg/L	5.610 NTU	165.0 mV	59.40 ft	325.0 ml/min
2/23/2026 12:55 PM	55:00	7.024 pH	17.88 °C	527.0 µS/cm	3.249 mg/L	5.460 NTU	165.1 mV	61.80 ft	325.0 ml/min
2/23/2026 1:00 PM	01:00:00	7.031 pH	17.86 °C	524.2 µS/cm	3.557 mg/L	7.240 NTU	167.4 mV	63.70 ft	325.0 ml/min
2/23/2026 1:05 PM	01:05:00	7.038 pH	17.99 °C	523.1 µS/cm	3.833 mg/L	9.450 NTU	166.6 mV	65.50 ft	325.0 ml/min

2/23/2026 1:10 PM	01:10:00	7.044 pH	18.03 °C	523.5 µS/cm	4.033 mg/L	9.210 NTU	167.5 mV	67.60 ft	325.0 ml/min
2/23/2026 1:15 PM	01:15:00	7.050 pH	17.98 °C	523.0 µS/cm	4.211 mg/L	8.930 NTU	164.2 mV	69.50 ft	325.0 ml/min
2/23/2026 1:20 PM	01:20:00	7.055 pH	18.00 °C	523.3 µS/cm	4.346 mg/L	7.220 NTU	163.9 mV	71.40 ft	325.0 ml/min
2/23/2026 1:25 PM	01:25:00	7.056 pH	18.04 °C	523.7 µS/cm	4.449 mg/L	5.780 NTU	162.0 mV	73.30 ft	325.0 ml/min
2/23/2026 1:30 PM	01:30:00	7.061 pH	18.02 °C	524.2 µS/cm	4.519 mg/L	5.340 NTU	160.5 mV	75.30 ft	325.0 ml/min
2/23/2026 1:35 PM	01:35:00	7.065 pH	18.02 °C	525.4 µS/cm	4.511 mg/L	5.000 NTU	160.8 mV	77.10 ft	325.0 ml/min
2/23/2026 1:40 PM	01:40:00	7.069 pH	18.10 °C	527.0 µS/cm	4.452 mg/L	3.790 NTU	159.6 mV	78.20 ft	325.0 ml/min
2/23/2026 1:45 PM	01:45:00	7.079 pH	17.64 °C	527.7 µS/cm	4.358 mg/L	7.640 NTU	158.4 mV	79.20 ft	325.0 ml/min
2/23/2026 1:50 PM	01:50:00	7.126 pH	18.11 °C	555.7 µS/cm	2.989 mg/L	12.20 NTU	159.0 mV	80.10 ft	325.0 ml/min
2/23/2026 1:55 PM	01:55:00	7.155 pH	18.09 °C	575.8 µS/cm	1.928 mg/L	43.70 NTU	157.8 mV	81.00 ft	325.0 ml/min
2/23/2026 2:00 PM	02:00:00	7.183 pH	18.17 °C	589.3 µS/cm	1.016 mg/L	30.90 NTU	152.4 mV	81.50 ft	325.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/24/2026 8:35:14 AM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: PZ-68D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 77 ft** **Total Depth: 87 ft** **Initial Depth to Water: 49.35 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 82 ft** **Estimated Total Volume Pumped: 1 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 24.6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample Time: 0845
Sunny, 20s
Sampled after overnight recharge, well purged dry on 02-23-26

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	
2/24/2026 8:35 AM	00:00	6.786 pH	12.15 °C	561.4 µS/cm	5.629 mg/L	12.10 NTU	214.7 mV	49.35 ft	100.0 ml/min
2/24/2026 8:40 AM	05:00	7.023 pH	12.77 °C	551.8 µS/cm	2.123 mg/L	5.300 NTU	208.6 mV	50.70 ft	100.0 ml/min
2/24/2026 8:45 AM	10:00	7.046 pH	13.23 °C	547.5 µS/cm	1.249 mg/L	4.970 NTU	208.9 mV	51.40 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2026 2:45:10 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: PZ-74I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.88 ft** **Total Depth: 50.88 ft** **Initial Depth to Water: 29.03 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 6.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 0.27 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Cloudy, sample time -1515

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	
2/19/2026 2:45 PM	00:00	5.643 pH	20.37 °C	492.1 µS/cm	4.358 mg/L	0.700 NTU	138.3 mV	29.03 ft	225.0 ml/min
2/19/2026 2:50 PM	05:00	5.907 pH	20.00 °C	491.6 µS/cm	3.602 mg/L	0.770 NTU	116.9 mV	29.30 ft	225.0 ml/min
2/19/2026 2:55 PM	10:00	5.996 pH	19.90 °C	491.2 µS/cm	3.189 mg/L	2.210 NTU	113.2 mV	29.30 ft	225.0 ml/min
2/19/2026 3:00 PM	15:00	6.023 pH	19.93 °C	492.6 µS/cm	3.094 mg/L	3.840 NTU	111.9 mV	29.30 ft	225.0 ml/min
2/19/2026 3:05 PM	20:00	6.030 pH	19.90 °C	492.8 µS/cm	3.062 mg/L	4.010 NTU	109.8 mV	29.30 ft	225.0 ml/min
2/19/2026 3:10 PM	25:00	6.031 pH	19.74 °C	492.6 µS/cm	3.045 mg/L	3.920 NTU	111.4 mV	29.30 ft	225.0 ml/min
2/19/2026 3:15 PM	30:00	6.026 pH	19.65 °C	492.4 µS/cm	3.047 mg/L	2.720 NTU	111.1 mV	29.30 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/19/2026 2:55:06 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: PZ-75I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.38 ft** **Total Depth: 30.38 ft** **Initial Depth to Water: 18.67 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 6.31 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 1.8 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1520. Sunny, 78 degrees F.

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	
2/19/2026 2:55 PM	00:00	5.644 pH	21.60 °C	614.1 µS/cm	2.728 mg/L	7.830 NTU	164.4 mV	18.67 ft	250.0 ml/min
2/19/2026 2:55 PM	00:15	5.649 pH	21.32 °C	618.2 µS/cm	2.643 mg/L	7.830 NTU	165.4 mV	18.67 ft	250.0 ml/min
2/19/2026 3:00 PM	05:15	5.665 pH	20.15 °C	622.4 µS/cm	2.363 mg/L	4.760 NTU	172.4 mV	18.82 ft	250.0 ml/min
2/19/2026 3:05 PM	10:15	5.671 pH	19.98 °C	624.2 µS/cm	2.344 mg/L	3.200 NTU	168.8 mV	18.82 ft	250.0 ml/min
2/19/2026 3:10 PM	15:15	5.675 pH	19.82 °C	624.2 µS/cm	2.349 mg/L	1.750 NTU	172.2 mV	18.82 ft	250.0 ml/min
2/19/2026 3:15 PM	20:15	5.678 pH	19.72 °C	623.5 µS/cm	2.365 mg/L	1.450 NTU	172.8 mV	18.82 ft	250.0 ml/min
2/19/2026 3:20 PM	25:15	5.684 pH	19.82 °C	624.9 µS/cm	2.369 mg/L	1.420 NTU	175.5 mV	18.82 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/17/2026 1:55:18 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: PZ-18I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.25 ft** **Total Depth: 41.25 ft** **Initial Depth to Water: 21.42 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sunny, sample time -1425

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	
2/17/2026 1:55 PM	00:00	5.937 pH	20.99 °C	834.9 µS/cm	2.796 mg/L	1.020 NTU	205.5 mV	21.42 ft	200.0 ml/min
2/17/2026 2:00 PM	05:00	5.871 pH	20.13 °C	842.4 µS/cm	0.411 mg/L	0.420 NTU	205.0 mV	21.60 ft	200.0 ml/min
2/17/2026 2:05 PM	10:00	5.894 pH	20.03 °C	842.1 µS/cm	0.213 mg/L	0.210 NTU	201.2 mV	21.60 ft	200.0 ml/min
2/17/2026 2:10 PM	15:00	5.829 pH	19.97 °C	842.1 µS/cm	0.172 mg/L	0.340 NTU	197.6 mV	21.60 ft	200.0 ml/min
2/17/2026 2:15 PM	20:00	5.800 pH	20.06 °C	841.4 µS/cm	0.160 mg/L	0.350 NTU	196.8 mV	21.60 ft	200.0 ml/min
2/17/2026 2:20 PM	25:00	5.856 pH	20.08 °C	842.0 µS/cm	0.152 mg/L	0.390 NTU	189.9 mV	21.60 ft	200.0 ml/min
2/17/2026 2:25 PM	30:00	5.835 pH	19.83 °C	837.8 µS/cm	0.150 mg/L	0.290 NTU	187.9 mV	21.60 ft	200.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2026 11:30:11 AM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: PZ-69I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.14 ft** **Total Depth: 41.14 ft** **Initial Depth to Water: 22.75 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 5.04 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1155. Sunny, 66 degrees F.

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	
2/18/2026 11:30 AM	00:00	6.999 pH	23.26 °C	1,342 µS/cm	2.326 mg/L	5.550 NTU	56.1 mV	22.75 ft	200.0 ml/min
2/18/2026 11:35 AM	05:00	5.902 pH	20.31 °C	583.8 µS/cm	4.139 mg/L	4.320 NTU	44.1 mV	23.02 ft	200.0 ml/min
2/18/2026 11:40 AM	10:00	5.806 pH	20.26 °C	560.0 µS/cm	4.162 mg/L	3.860 NTU	55.0 mV	23.07 ft	200.0 ml/min
2/18/2026 11:45 AM	15:00	5.797 pH	20.20 °C	560.6 µS/cm	4.164 mg/L	2.250 NTU	66.3 mV	23.11 ft	200.0 ml/min
2/18/2026 11:50 AM	20:00	5.792 pH	20.33 °C	559.4 µS/cm	4.143 mg/L	1.670 NTU	77.2 mV	23.14 ft	200.0 ml/min
2/18/2026 11:55 AM	25:00	5.791 pH	20.72 °C	557.0 µS/cm	4.132 mg/L	1.000 NTU	86.8 mV	23.17 ft	200.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/17/2026 1:45:19 PM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: PZ-72I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.56 ft** **Total Depth: 36.56 ft** **Initial Depth to Water: 25.71 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 3.36 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1435. Sunny, 66 degrees F.

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	
2/17/2026 1:45 PM	00:00	5.763 pH	21.05 °C	658.2 µS/cm	4.815 mg/L	13.90 NTU	113.0 mV	25.71 ft	150.0 ml/min
2/17/2026 1:50 PM	05:00	5.771 pH	19.58 °C	606.4 µS/cm	4.202 mg/L	21.90 NTU	110.9 mV	25.93 ft	150.0 ml/min
2/17/2026 1:55 PM	10:00	5.786 pH	19.26 °C	598.2 µS/cm	4.063 mg/L	25.10 NTU	114.9 mV	25.96 ft	150.0 ml/min
2/17/2026 2:00 PM	15:00	5.791 pH	19.02 °C	593.7 µS/cm	4.023 mg/L	28.60 NTU	119.8 mV	25.97 ft	150.0 ml/min
2/17/2026 2:05 PM	20:00	5.786 pH	19.61 °C	591.9 µS/cm	4.011 mg/L	33.20 NTU	124.8 mV	25.98 ft	150.0 ml/min
2/17/2026 2:10 PM	25:00	5.776 pH	20.34 °C	595.4 µS/cm	4.076 mg/L	17.30 NTU	129.9 mV	25.99 ft	150.0 ml/min
2/17/2026 2:15 PM	30:00	5.768 pH	20.15 °C	593.4 µS/cm	4.108 mg/L	8.940 NTU	134.6 mV	25.99 ft	150.0 ml/min
2/17/2026 2:20 PM	35:00	5.765 pH	20.17 °C	599.0 µS/cm	4.113 mg/L	5.970 NTU	138.4 mV	25.99 ft	150.0 ml/min
2/17/2026 2:25 PM	40:00	5.756 pH	19.90 °C	597.0 µS/cm	4.146 mg/L	3.620 NTU	142.0 mV	25.99 ft	150.0 ml/min
2/17/2026 2:30 PM	45:00	5.755 pH	19.63 °C	595.3 µS/cm	4.063 mg/L	2.880 NTU	144.8 mV	25.99 ft	150.0 ml/min
2/17/2026 2:35 PM	50:00	5.762 pH	19.67 °C	597.7 µS/cm	4.062 mg/L	1.900 NTU	147.1 mV	25.99 ft	150.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/17/2026 2:30:06 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: PZ-73I **Latitude: 33.17933577630669** **Longitude: -83.31574818755129** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.1 ft** **Total Depth: 28.1 ft** **Initial Depth to Water: 7.8 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 23.1 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.65 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1520, Sunny 71 degrees

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	
2/17/2026 2:30 PM	00:00	5.526 pH	17.85 °C	514.8 µS/cm	1.163 mg/L	50.30 NTU	166.0 mV	7.800 ft	200.0 ml/min
2/17/2026 2:35 PM	05:00	5.502 pH	17.66 °C	513.5 µS/cm	1.021 mg/L	26.60 NTU	165.8 mV	8.360 ft	200.0 ml/min
2/17/2026 2:40 PM	10:00	5.482 pH	17.60 °C	510.7 µS/cm	0.792 mg/L	29.20 NTU	165.4 mV	8.370 ft	200.0 ml/min
2/17/2026 2:45 PM	15:00	5.468 pH	17.81 °C	508.9 µS/cm	0.652 mg/L	15.70 NTU	166.3 mV	8.380 ft	200.0 ml/min
2/17/2026 2:50 PM	20:00	5.477 pH	17.77 °C	507.3 µS/cm	0.532 mg/L	6.860 NTU	166.4 mV	8.400 ft	200.0 ml/min
2/17/2026 2:55 PM	25:00	5.494 pH	17.83 °C	506.4 µS/cm	0.483 mg/L	3.510 NTU	167.3 mV	8.410 ft	200.0 ml/min
2/17/2026 3:00 PM	30:00	5.512 pH	17.82 °C	505.1 µS/cm	0.439 mg/L	2.910 NTU	167.5 mV	8.420 ft	200.0 ml/min
2/17/2026 3:05 PM	35:00	5.531 pH	17.64 °C	505.8 µS/cm	0.390 mg/L	3.030 NTU	170.3 mV	8.430 ft	200.0 ml/min
2/17/2026 3:10 PM	40:00	5.540 pH	17.61 °C	504.2 µS/cm	0.354 mg/L	2.030 NTU	172.1 mV	8.440 ft	200.0 ml/min
2/17/2026 3:15 PM	45:00	5.558 pH	17.65 °C	505.0 µS/cm	0.393 mg/L	2.230 NTU	174.3 mV	8.450 ft	200.0 ml/min
2/17/2026 3:20 PM	50:00	5.572 pH	17.69 °C	504.3 µS/cm	0.338 mg/L	1.690 NTU	176.4 mV	8.450 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 12:55:23 PM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: PZ-75D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 67.37 ft** **Total Depth: 77.37 ft** **Initial Depth to Water: 17.53 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 72 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 6.55 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1335, cloudy 71 degrees.

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	
2/18/2026 12:55 PM	00:00	7.098 pH	19.75 °C	274.7 µS/cm	0.981 mg/L	3.080 NTU	53.9 mV	17.53 ft	100.0 ml/min
2/18/2026 1:00 PM	05:00	7.492 pH	19.36 °C	270.8 µS/cm	0.506 mg/L	3.390 NTU	13.3 mV	23.61 ft	100.0 ml/min
2/18/2026 1:05 PM	10:00	7.571 pH	19.19 °C	270.0 µS/cm	0.406 mg/L	2.300 NTU	-12.6 mV	23.69 ft	100.0 ml/min
2/18/2026 1:10 PM	15:00	7.594 pH	19.02 °C	270.1 µS/cm	0.360 mg/L	1.840 NTU	-20.4 mV	23.77 ft	100.0 ml/min
2/18/2026 1:15 PM	20:00	7.611 pH	18.71 °C	270.3 µS/cm	0.284 mg/L	1.330 NTU	-27.6 mV	23.83 ft	100.0 ml/min
2/18/2026 1:20 PM	25:00	7.622 pH	18.75 °C	270.7 µS/cm	0.260 mg/L	1.220 NTU	-49.2 mV	23.90 ft	100.0 ml/min
2/18/2026 1:25 PM	30:00	7.632 pH	18.82 °C	271.1 µS/cm	0.254 mg/L	2.630 NTU	-59.8 mV	23.97 ft	100.0 ml/min
2/18/2026 1:30 PM	35:00	7.636 pH	18.82 °C	270.8 µS/cm	0.237 mg/L	1.300 NTU	-68.1 mV	24.04 ft	100.0 ml/min
2/18/2026 1:35 PM	40:00	7.637 pH	19.09 °C	271.1 µS/cm	0.227 mg/L	1.390 NTU	-71.6 mV	24.08 ft	100.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 9:35:26 AM
Project: Plant Branch Ash Ponds
Operator Name: D. Johnson

Location Name: PZ-79 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 8.65 ft** **Total Depth: 18.65 ft** **Initial Depth to Water: 10.88 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 13 ft** **Estimated Total Volume Pumped: 15.37 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 32.52 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample time 1100. Sunny, 59 degrees F.

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	
2/18/2026 9:35 AM	00:00	7.603 pH	17.84 °C	1,647 µS/cm	1.961 mg/L	12.00 NTU	215.0 mV	10.88 ft	200.0 ml/min
2/18/2026 9:40 AM	05:00	7.683 pH	18.25 °C	1,627 µS/cm	0.644 mg/L	8.730 NTU	216.4 mV	11.26 ft	200.0 ml/min
2/18/2026 9:45 AM	10:00	7.699 pH	18.42 °C	1,626 µS/cm	0.403 mg/L	8.590 NTU	207.5 mV	11.74 ft	200.0 ml/min
2/18/2026 9:50 AM	15:00	7.698 pH	18.94 °C	1,629 µS/cm	0.341 mg/L	7.980 NTU	196.5 mV	11.86 ft	200.0 ml/min
2/18/2026 9:55 AM	20:00	7.692 pH	19.26 °C	1,631 µS/cm	0.322 mg/L	7.210 NTU	188.5 mV	12.02 ft	175.0 ml/min
2/18/2026 10:00 AM	25:00	7.674 pH	19.17 °C	1,627 µS/cm	0.275 mg/L	7.610 NTU	185.5 mV	12.41 ft	175.0 ml/min
2/18/2026 10:05 AM	30:00	7.685 pH	19.35 °C	1,625 µS/cm	0.224 mg/L	4.860 NTU	170.6 mV	12.60 ft	175.0 ml/min
2/18/2026 10:10 AM	35:00	7.690 pH	18.92 °C	1,621 µS/cm	0.196 mg/L	4.440 NTU	164.9 mV	12.72 ft	175.0 ml/min
2/18/2026 10:15 AM	40:00	7.694 pH	18.91 °C	1,623 µS/cm	0.224 mg/L	4.160 NTU	160.6 mV	12.93 ft	175.0 ml/min
2/18/2026 10:20 AM	45:00	7.697 pH	18.97 °C	1,622 µS/cm	0.195 mg/L	4.040 NTU	152.2 mV	13.02 ft	175.0 ml/min
2/18/2026 10:25 AM	50:00	7.695 pH	18.98 °C	1,623 µS/cm	0.175 mg/L	2.730 NTU	142.6 mV	13.11 ft	175.0 ml/min
2/18/2026 10:30 AM	55:00	7.692 pH	19.04 °C	1,622 µS/cm	0.161 mg/L	2.250 NTU	133.1 mV	13.20 ft	175.0 ml/min
2/18/2026 10:35 AM	01:00:00	7.700 pH	19.30 °C	1,621 µS/cm	0.157 mg/L	1.740 NTU	120.0 mV	13.31 ft	175.0 ml/min
2/18/2026 10:40 AM	01:05:00	7.693 pH	19.43 °C	1,624 µS/cm	0.165 mg/L	1.520 NTU	114.0 mV	13.37 ft	175.0 ml/min
2/18/2026 10:45 AM	01:10:00	7.694 pH	19.68 °C	1,624 µS/cm	0.152 mg/L	1.500 NTU	105.0 mV	13.42 ft	175.0 ml/min

2/18/2026 10:50 AM	01:15:00	7.685 pH	20.14 °C	1,624 µS/cm	0.139 mg/L	1.700 NTU	95.0 mV	13.49 ft	175.0 ml/min
2/18/2026 10:55 AM	01:20:00	7.684 pH	20.25 °C	1,624 µS/cm	0.134 mg/L	1.540 NTU	83.7 mV	13.54 ft	175.0 ml/min
2/18/2026 11:00 AM	01:25:00	7.682 pH	20.03 °C	1,628 µS/cm	0.146 mg/L	1.340 NTU	77.4 mV	13.59 ft	175.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/18/2026 9:45:06 AM
Project: Plant Branch Ash Ponds
Operator Name: C.Klamke

Location Name: PZ-82I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.5 ft** **Total Depth: 51.5 ft** **Initial Depth to Water: 34.19 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 46.5 ft** **Estimated Total Volume Pumped: 12 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.38 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1045, cloudy 62 degrees

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	
2/18/2026 9:45 AM	00:00	6.068 pH	18.16 °C	516.8 µS/cm	1.272 mg/L	84.30 NTU	192.3 mV	34.19 ft	200.0 ml/min
2/18/2026 9:50 AM	05:00	6.037 pH	18.63 °C	506.1 µS/cm	1.362 mg/L	43.80 NTU	193.3 mV	34.57 ft	200.0 ml/min
2/18/2026 9:55 AM	10:00	6.050 pH	18.90 °C	489.6 µS/cm	2.016 mg/L	23.60 NTU	157.9 mV	34.57 ft	200.0 ml/min
2/18/2026 10:00 AM	15:00	6.032 pH	18.62 °C	484.9 µS/cm	2.198 mg/L	13.30 NTU	151.2 mV	34.57 ft	200.0 ml/min
2/18/2026 10:05 AM	20:00	6.029 pH	18.65 °C	483.7 µS/cm	2.207 mg/L	13.90 NTU	148.6 mV	34.57 ft	200.0 ml/min
2/18/2026 10:10 AM	25:00	6.025 pH	18.52 °C	483.1 µS/cm	2.174 mg/L	10.90 NTU	146.8 mV	34.57 ft	200.0 ml/min
2/18/2026 10:15 AM	30:00	6.024 pH	18.53 °C	482.9 µS/cm	2.146 mg/L	9.060 NTU	145.7 mV	34.57 ft	200.0 ml/min
2/18/2026 10:20 AM	35:00	6.024 pH	18.50 °C	482.7 µS/cm	2.101 mg/L	6.900 NTU	145.1 mV	34.57 ft	200.0 ml/min
2/18/2026 10:25 AM	40:00	6.025 pH	18.48 °C	483.3 µS/cm	2.048 mg/L	6.220 NTU	144.5 mV	34.57 ft	200.0 ml/min
2/18/2026 10:30 AM	45:00	6.026 pH	18.54 °C	483.4 µS/cm	2.015 mg/L	5.860 NTU	143.9 mV	34.57 ft	200.0 ml/min
2/18/2026 10:35 AM	50:00	6.029 pH	18.60 °C	483.3 µS/cm	1.994 mg/L	4.870 NTU	143.3 mV	34.57 ft	200.0 ml/min
2/18/2026 10:40 AM	55:00	6.030 pH	18.77 °C	483.9 µS/cm	1.981 mg/L	3.880 NTU	142.8 mV	34.57 ft	200.0 ml/min
2/18/2026 10:45 AM	01:00:00	6.031 pH	18.70 °C	483.9 µS/cm	1.959 mg/L	3.270 NTU	142.8 mV	34.57 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/17/2026 3:15:06 PM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: PZ-83I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 21.7 ft** **Total Depth: 31.7 ft** **Initial Depth to Water: 16.24 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 26 ft** **Estimated Total Volume Pumped: 15 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 4 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sunny, sample time - 1605

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	
2/17/2026 3:15 PM	00:00	5.959 pH	18.80 °C	738.7 µS/cm	1.078 mg/L	36.00 NTU	153.7 mV	16.24 ft	300.0 ml/min
2/17/2026 3:20 PM	05:00	6.155 pH	18.67 °C	740.9 µS/cm	0.914 mg/L	19.00 NTU	133.3 mV	16.60 ft	300.0 ml/min
2/17/2026 3:25 PM	10:00	6.198 pH	18.62 °C	741.3 µS/cm	0.841 mg/L	13.00 NTU	129.7 mV	16.60 ft	300.0 ml/min
2/17/2026 3:30 PM	15:00	6.173 pH	18.67 °C	742.2 µS/cm	0.814 mg/L	10.00 NTU	122.8 mV	16.60 ft	300.0 ml/min
2/17/2026 3:35 PM	20:00	6.180 pH	18.60 °C	742.1 µS/cm	0.789 mg/L	9.630 NTU	117.9 mV	16.60 ft	300.0 ml/min
2/17/2026 3:40 PM	25:00	6.181 pH	18.65 °C	742.2 µS/cm	0.767 mg/L	9.120 NTU	112.9 mV	16.60 ft	300.0 ml/min
2/17/2026 3:45 PM	30:00	6.194 pH	18.59 °C	742.6 µS/cm	0.777 mg/L	8.500 NTU	109.3 mV	16.60 ft	300.0 ml/min
2/17/2026 3:50 PM	35:00	6.191 pH	18.62 °C	743.3 µS/cm	0.730 mg/L	6.380 NTU	108.2 mV	16.60 ft	300.0 ml/min
2/17/2026 3:55 PM	40:00	6.181 pH	18.56 °C	742.7 µS/cm	0.714 mg/L	5.650 NTU	108.0 mV	16.60 ft	300.0 ml/min
2/17/2026 4:00 PM	45:00	6.174 pH	18.53 °C	742.8 µS/cm	0.708 mg/L	5.260 NTU	105.0 mV	16.60 ft	300.0 ml/min
2/17/2026 4:05 PM	50:00	6.162 pH	18.56 °C	743.6 µS/cm	0.686 mg/L	4.530 NTU	102.4 mV	16.60 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/18/2026 9:40:15 AM
Project: Plant Branch Ash Ponds
Operator Name: J. Berisford

Location Name: PZ-84I **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31 ft** **Total Depth: 41 ft** **Initial Depth to Water: 13.66 ft**	**Pump Type: Portable bladder pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Cloudy, sample time-1010

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	
2/18/2026 9:40 AM	00:00	5.696 pH	16.87 °C	650.7 µS/cm	2.761 mg/L	27.00 NTU	234.1 mV	13.66 ft	200.0 ml/min
2/18/2026 9:45 AM	05:00	5.761 pH	17.72 °C	646.2 µS/cm	0.357 mg/L	10.00 NTU	207.5 mV	13.80 ft	200.0 ml/min
2/18/2026 9:50 AM	10:00	5.755 pH	17.84 °C	645.4 µS/cm	0.246 mg/L	7.870 NTU	198.1 mV	13.80 ft	200.0 ml/min
2/18/2026 9:55 AM	15:00	5.750 pH	18.08 °C	645.6 µS/cm	0.219 mg/L	6.860 NTU	183.4 mV	13.80 ft	200.0 ml/min
2/18/2026 10:00 AM	20:00	5.747 pH	18.12 °C	645.2 µS/cm	0.204 mg/L	5.280 NTU	175.6 mV	13.80 ft	200.0 ml/min
2/18/2026 10:05 AM	25:00	5.750 pH	18.22 °C	645.4 µS/cm	0.180 mg/L	4.820 NTU	165.2 mV	13.80 ft	200.0 ml/min
2/18/2026 10:10 AM	30:00	5.750 pH	18.16 °C	645.0 µS/cm	0.189 mg/L	4.160 NTU	159.5 mV	13.80 ft	200.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/24/2026 2:48:14 PM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: PZ-80 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.9 ft** **Total Depth: 47.9 ft** **Initial Depth to Water: 35.55 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 42 ft** **Estimated Total Volume Pumped: 10.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 148.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Well purged dry at 1533, allow for overnight recharge.
Sunny, 50s

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	
2/24/2026 2:48 PM	00:00	6.193 pH	18.14 °C	354.9 µS/cm	4.964 mg/L	237.0 NTU	177.0 mV	35.55 ft	100.0 ml/min
2/24/2026 2:53 PM	05:00	6.629 pH	18.39 °C	480.7 µS/cm	1.008 mg/L	246.0 NTU	142.9 mV	35.90 ft	100.0 ml/min
2/24/2026 2:58 PM	10:00	6.529 pH	18.37 °C	347.1 µS/cm	0.706 mg/L	95.90 NTU	124.8 mV	36.50 ft	100.0 ml/min
2/24/2026 3:03 PM	15:00	6.286 pH	18.36 °C	249.6 µS/cm	0.625 mg/L	51.20 NTU	115.3 mV	37.00 ft	300.0 ml/min
2/24/2026 3:08 PM	20:00	6.181 pH	19.33 °C	231.6 µS/cm	0.538 mg/L	46.60 NTU	107.3 mV	38.40 ft	300.0 ml/min
2/24/2026 3:13 PM	25:00	6.125 pH	19.39 °C	201.1 µS/cm	0.509 mg/L	23.20 NTU	93.3 mV	39.90 ft	300.0 ml/min
2/24/2026 3:18 PM	30:00	6.166 pH	19.43 °C	199.1 µS/cm	1.068 mg/L	23.90 NTU	92.1 mV	41.20 ft	300.0 ml/min
2/24/2026 3:23 PM	35:00	6.183 pH	19.46 °C	205.0 µS/cm	0.765 mg/L	91.70 NTU	89.3 mV	42.60 ft	300.0 ml/min
2/24/2026 3:28 PM	40:00	6.228 pH	19.42 °C	216.7 µS/cm	0.565 mg/L	61.40 NTU	86.4 mV	43.50 ft	300.0 ml/min
2/24/2026 3:33 PM	45:00	6.566 pH	19.33 °C	294.1 µS/cm	0.223 mg/L	78.70 NTU	85.7 mV	43.90 ft	300.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/25/2026 8:41:06 AM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: PZ-80 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.9 ft** **Total Depth: 47.9 ft** **Initial Depth to Water: 35.42 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 42 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 52.56 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample Time: 0926
Cloudy, 40s
Sampled after overnight recharge, well purged dry on 02-24-26

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	
2/25/2026 8:41 AM	00:00	6.816 pH	12.81 °C	443.3 µS/cm	9.134 mg/L	146.0 NTU	208.3 mV	35.42 ft	100.0 ml/min
2/25/2026 8:46 AM	05:00	6.606 pH	16.06 °C	343.6 µS/cm	3.753 mg/L	72.20 NTU	200.0 mV	36.40 ft	100.0 ml/min
2/25/2026 8:51 AM	10:00	6.550 pH	16.44 °C	297.5 µS/cm	3.582 mg/L	38.80 NTU	193.1 mV	37.10 ft	100.0 ml/min
2/25/2026 8:56 AM	15:00	6.494 pH	16.45 °C	271.6 µS/cm	3.787 mg/L	17.70 NTU	193.2 mV	37.60 ft	100.0 ml/min
2/25/2026 9:01 AM	20:00	6.467 pH	16.49 °C	257.0 µS/cm	3.932 mg/L	15.50 NTU	194.5 mV	38.20 ft	100.0 ml/min
2/25/2026 9:06 AM	25:00	6.440 pH	16.65 °C	247.1 µS/cm	4.063 mg/L	13.40 NTU	195.4 mV	38.60 ft	100.0 ml/min
2/25/2026 9:11 AM	30:00	6.419 pH	16.65 °C	237.7 µS/cm	4.203 mg/L	11.80 NTU	194.0 mV	39.00 ft	100.0 ml/min
2/25/2026 9:16 AM	35:00	6.379 pH	16.81 °C	231.0 µS/cm	4.250 mg/L	10.40 NTU	193.0 mV	39.20 ft	100.0 ml/min
2/25/2026 9:21 AM	40:00	6.363 pH	16.93 °C	227.5 µS/cm	4.187 mg/L	9.820 NTU	191.9 mV	39.50 ft	100.0 ml/min
2/25/2026 9:26 AM	45:00	6.342 pH	16.83 °C	221.2 µS/cm	4.189 mg/L	8.890 NTU	190.5 mV	39.80 ft	100.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/24/2026 11:45:04 AM
Project: Plant Branch Ash Ponds
Operator Name: J. May

Location Name: PZ-81 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.6 ft** **Total Depth: 51.6 ft** **Initial Depth to Water: 39.62 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 46 ft** **Estimated Total Volume Pumped: 22.125 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 4.56 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample Time: 1330
Sunny, 40s

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	
2/24/2026 11:45 AM	00:00	5.656 pH	17.56 °C	217.3 µS/cm	2.439 mg/L	89.60 NTU	159.9 mV	39.62 ft	275.0 ml/min
2/24/2026 11:50 AM	05:00	5.563 pH	18.85 °C	270.9 µS/cm	0.579 mg/L	170.0 NTU	144.3 mV	40.10 ft	275.0 ml/min
2/24/2026 11:55 AM	10:00	5.580 pH	19.14 °C	329.7 µS/cm	0.332 mg/L	160.0 NTU	138.5 mV	40.20 ft	275.0 ml/min
2/24/2026 12:00 PM	15:00	5.586 pH	19.06 °C	374.3 µS/cm	0.299 mg/L	121.0 NTU	138.0 mV	40.00 ft	200.0 ml/min
2/24/2026 12:05 PM	20:00	5.577 pH	19.22 °C	384.8 µS/cm	0.262 mg/L	74.80 NTU	137.4 mV	40.00 ft	200.0 ml/min
2/24/2026 12:10 PM	25:00	5.572 pH	19.20 °C	381.8 µS/cm	0.240 mg/L	63.70 NTU	136.7 mV	40.00 ft	200.0 ml/min
2/24/2026 12:15 PM	30:00	5.569 pH	19.26 °C	385.9 µS/cm	0.222 mg/L	54.10 NTU	136.0 mV	40.00 ft	200.0 ml/min
2/24/2026 12:20 PM	35:00	5.564 pH	19.32 °C	386.0 µS/cm	0.199 mg/L	40.20 NTU	135.5 mV	40.00 ft	200.0 ml/min
2/24/2026 12:25 PM	40:00	5.562 pH	19.37 °C	385.9 µS/cm	0.187 mg/L	34.50 NTU	135.3 mV	40.00 ft	200.0 ml/min
2/24/2026 12:30 PM	45:00	5.560 pH	19.47 °C	382.8 µS/cm	0.175 mg/L	30.20 NTU	134.7 mV	40.00 ft	200.0 ml/min
2/24/2026 12:35 PM	50:00	5.560 pH	19.42 °C	392.5 µS/cm	0.165 mg/L	23.40 NTU	134.5 mV	40.00 ft	200.0 ml/min
2/24/2026 12:40 PM	55:00	5.564 pH	19.22 °C	397.2 µS/cm	0.155 mg/L	17.90 NTU	134.3 mV	40.00 ft	200.0 ml/min
2/24/2026 12:45 PM	01:00:00	5.565 pH	19.28 °C	403.6 µS/cm	0.151 mg/L	17.40 NTU	134.1 mV	40.00 ft	200.0 ml/min
2/24/2026 12:50 PM	01:05:00	5.568 pH	19.23 °C	406.0 µS/cm	0.148 mg/L	15.70 NTU	133.4 mV	40.00 ft	200.0 ml/min

2/24/2026 12:55 PM	01:10:00	5.560 pH	19.22 °C	407.9 µS/cm	0.141 mg/L	14.30 NTU	133.8 mV	40.00 ft	200.0 ml/min
2/24/2026 1:00 PM	01:15:00	5.565 pH	19.32 °C	410.9 µS/cm	0.135 mg/L	12.20 NTU	133.1 mV	40.00 ft	200.0 ml/min
2/24/2026 1:05 PM	01:20:00	5.566 pH	19.34 °C	417.4 µS/cm	0.135 mg/L	10.40 NTU	133.2 mV	40.00 ft	200.0 ml/min
2/24/2026 1:10 PM	01:25:00	5.572 pH	19.36 °C	417.4 µS/cm	0.128 mg/L	8.870 NTU	132.9 mV	40.00 ft	200.0 ml/min
2/24/2026 1:15 PM	01:30:00	5.576 pH	19.50 °C	418.6 µS/cm	0.129 mg/L	7.580 NTU	132.8 mV	40.00 ft	200.0 ml/min
2/24/2026 1:20 PM	01:35:00	5.568 pH	19.56 °C	419.6 µS/cm	0.123 mg/L	6.420 NTU	133.1 mV	40.00 ft	200.0 ml/min
2/24/2026 1:25 PM	01:40:00	5.575 pH	19.60 °C	424.2 µS/cm	0.127 mg/L	5.530 NTU	133.1 mV	40.00 ft	200.0 ml/min
2/24/2026 1:30 PM	01:45:00	5.572 pH	19.63 °C	428.7 µS/cm	0.123 mg/L	4.610 NTU	133.9 mV	40.00 ft	200.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Plant Branch Surface Water Samples 02/18/2026

Sample ID	Total Depth (ft)	Sample Depth (ft)	Time	Temp(°C)	pH	OPR (mV)	DO (mg/L)	Turbidity (NTU)	Conductance (mS/cm)	Coordinates
BRA-LR-1(surface)	35.8	Surface	1111	10.8	7.52	108.1	11.28	3.13	0.801	33.178603, -83.317692
BRA-LR-1(mid)		13.5	1115	10.7	7.51	108.7	11.23	2.86	0.891	
BRA-LR-1(bottom)		34.5	1118	10.2	7.48	109.5	11.09	4.48	0.888	
BRA-LR+2(surface)	14.8	Surface	1050	11.5	7.52	106.1	11.32	2.54	0.909	33.186525, -83.313823
BRA-LR+2(mid)		7.0	1054	10.9	7.39	106.3	11.04	3.04	0.893	
BRA-LR+2A(surface)	13.7	Surface	1058	11.4	7.58	103.3	11.37	3.94	0.905	33.186000, -83.313658
BRA-LR+2A(mid)		7.0	1103	10.6	7.58	104.5	11.38	2.84	0.806	
BRA-LS+3A(surface)	3.3	Surface	1042	11.4	7.54	106.7	11.33	2.65	0.912	33.185681, -83.311205
BRA-LS+3(surface)	9.8	Surface	1034	11.3	7.50	108.2	11.38	2.54	0.91	33.185457, -83.311869
BRA-LS+3(mid)		5.0	1040	10.8	7.44	108.3	11.15	3.86	0.0916	
BRA-LR+8A(surface)	9.6	Surface	1141	10.6	7.51	104.1	11.08	2.64	0.865	33.188793, -83.298479
BRA-LR+9A(surface)	--	Surface	1145	10.7	7.58	105.4	11.08	2.81	0.866	33.190136, -83.297139
BRA-LR+8(surface)	26.2	Surface	1015	10.5	7.56	92.9	11.00	2.49	0.867	33.187322, -83.296928
BRA-LR+8(mid)		13.0	1017	10.4	7.55	99.8	10.96	2.87	0.865	
BRA-LR+8(bottom)		26.0	1020	10.3	7.03	122.1	10.97	3.13	0.861	
BRA-LR+9(surface)	38.9	Surface	1005	10.5	7.61	86.3	11.00	2.51	0.857	33.189500, -83.295199
BRA-LR+9(mid)		19.0	1010	10.4	7.60	87.6	10.98	2.8	0.858	
BRA-LR+9(bottom)		38.0	1012	10.4	7.48	94.9	10.97	3.08	0.857	
BRA-LR+10(surface)	32.1	Surface	0940	11.0	6.85	119.8	10.97	2.65	0.801	33.188519, -83.284506
BRA-LR+10(mid)		16.0	0943	10.5	6.82	122.6	10.95	2.55	0.823	
BRA-LR+10(bottom)		30.0	0946	10.5	6.79	125.4	10.60	2.76	0.827	

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch

Date: 2/18/26

Calibrated By: J Bousford

Field Conditions: Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Hydrolab DSX	1235076
Turbidity Meter	HACH 2100Q	17070C05457

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	56I0399	9/27	PINE
pH (SU)	7.00	46I0915	9/26	PINE
pH (SU)	10.00	46C0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	56I0954	9/26	PINE
ORP (mV)	240.0	56I0371	6/26	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4302	2/26	HACH
	20	A4304	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0241		**Time Finish:** 0857			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100	14.11	± 10%	EPA 2023
pH (SU)	4.00	4.00	13.45	± 0.1	GWMP
pH (SU)	7.00	7.04	13.39	± 0.1	GWMP
pH (SU)	10.00	10.11	13.46	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1284	1284	13.11	± 10% of standard	NA
ORP (mV)	240.0	244	13.15	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.12	± 10% of standard	EPA 2023
	10	9.93		
	20	20.2		
	100	102		

Calibration Check					
Time Start 1200		**Time Finish** 1209			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.05	16.62	± 0.1	GWMP
pH (SU)	7.00	7.07	16.94	± 0.1	GWMP
pH (SU)	10.00	10.03	16.77	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1281	1311	16.81	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.0		
	20	19.8		
	100	105		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch Date: 2/19/26

Calibrated By: J. Barisford Field Conditions: cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquaread 500	1235076
Turbidity Meter	HACH 2100Q	17070C05957

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GI0399	9/27	PINE
pH (SU)	7.00	4GI0915	9/26	PINE
pH (SU)	10.00	4GC0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	5GI0959	9/26	PINE
ORP (mV)	240.0	5GT0371	6/26	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4302	2/26	HACH
	20	A4304	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0845		**Time Finish:** 0855			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100	18.70	± 10%	EPA 2023
pH (SU)	4.00	4.00	18.42	± 0.1	GWMP
pH (SU)	7.00	7.02	18.30	± 0.1	GWMP
pH (SU)	10.00	10.05	18.28	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1284	1284	18.19	± 10% of standard	NA
ORP (mV)	240.0	238	18.22	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.10	± 10% of standard	EPA 2023
	10	9.32		
	20	20.9		
	100	102		

Calibration Check					
Time Start 1231		**Time Finish** 1242			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.08	19.92	± 0.1	GWMP
pH (SU)	7.00	7.03	19.84	± 0.1	GWMP
pH (SU)	10.00	10.07	19.71	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1284	1294	19.86	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.1		
	20	20.2		
	100	107		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant ~~Moss~~ Branch AP-BCD Date: 2/18/26

Calibrated By: D. Johnson Field Conditions: Cloudy, 55°F

Instrument	Manufactuer/ Model	Serial Numbar
Water Quality Meter	Aqua Troll 500	1235093
Turbidity Meter	Hach 2100	21030C 000601

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	SGJC399	9/27	PINE
pH (SU)	7.00	SGKC631	11/27	↓
pH (SU)	10.00	SGJC401	9/27	↓
Specific Conductance (µS/cm)	1,413	SGJC969	9/26	↓
ORP (mV)	240.0	SGJC371	9/26	↓

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	—
	10	A5042	5/26	HACH
	20	A4309	2/26	↓
	100	A4306	2/26	↓

Calibration					
Time Start: 0841		Time Finish: 0854			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	101.2	13.08	± 10%	EPA 2023
pH (SU)	4.00	4.00	12.51	± 0.1	GWMP
pH (SU)	7.00	7.06	12.40	± 0.1	GWMP
pH (SU)	10.00	10.1	12.32	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1417	12.47	± 10% of standard	NA
ORP (mV)	240.0	242	12.47	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.2		
	20	20.4		
	100	99.5		

Calibration Check					
Time Start 1440		Time Finish 1446			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.02	18.71	± 0.1	GWMP
pH (SU)	7.00	7.00	18.77	± 0.1	GWMP
pH (SU)	10.00	10.07	18.56	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1411	18.27	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.22	± 10% of standard	EPA 2023
	10	10.1		
	20	20.0		
	100	101		

Notes:

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch AP-2 Date: 2/19/26

Calibrated By: D. Johnson Field Conditions: Cloudy, 60°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua Troll 500	1235093
Turbidity Meter	Hach 2100	21030D000401

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	SG7U399	9/27	PTW
pH (SU)	7.00	SGK0634	11/27	↓
pH (SU)	10.00	SG70461	9/27	↓
Specific Conductance (µS/cm)	1,413	SG70999	9/26	↓
ORP (mV)	240.0	SG70371	9/26	↓

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	—
	10	M5042	5/26	Hach
	20	A81059	2/26	↓
	100	A43306	2/26	↓

Calibration

Time Start: 0847 Time Finish: 0905

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	99.61	18.62	± 10%	EPA 2023
pH (SU)	4.00	4.00	18.39	± 0.1	GWMP
pH (SU)	7.00	7.02	18.27	± 0.1	GWMP
pH (SU)	10.00	10.05	18.65	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1417	18.46	± 10% of standard	NA
ORP (mV)	240.0	237.5	18.63	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.20	± 10% of standard	EPA 2023
	10	10.1		
	20	20.6		
	100	101		

Calibration Check

Time Start 1310 Time Finish 1317

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.01	22.62	± 0.1	GWMP
pH (SU)	7.00	7.06	22.37	± 0.1	GWMP
pH (SU)	10.00	10.02	23.00	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1412	22.59	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.1		
	20	20.0		
	100	101		

Notes:

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch

Date: 2/18/26

Calibrated By: Cirlamke

Field Conditions: Cloudy, 54

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquatroll/500	1183974
Turbidity Meter	Hach /2100Q	19090C07 9586

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GK063I	11/27	PINE
pH (SU)	10.00	5GA0867	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GF0959	9/26	PINE
ORP (mV)	240.0	5GI0371	6/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4305302	2/26	HACH
	20	A4309	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0835		Time Finish: 0855			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.0	13.18	± 10%	EPA 2023
pH (SU)	4.00	4.00	12.31	± 0.1	GWMP
pH (SU)	7.00	7.06	12.21	± 0.1	GWMP
pH (SU)	10.00	10.14	12.22	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	12.10	± 10% of standard	NA
ORP (mV)	240.0	245.5	12.45	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.26	± 10% of standard	EPA 2023
	10	10.1		
	20	19.9		
	100	102.0		

Calibration Check					
Time Start 1240		Time Finish 1250			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.00	19.13	± 0.1	GWMP
pH (SU)	7.00	7.02	18.50	± 0.1	GWMP
pH (SU)	10.00	10.05	18.39	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	18.98	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.26	± 10% of standard	EPA 2023
	10	10.0		
	20	20.2		
	100	99.7		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch

Date: 2/19/26

Calibrated By: C. Hlamtze

Field Conditions: cloudy, 62°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquaTroll/500	1183974
Turbidity Meter	Hach/2100q	19090C079586

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GH0631	11/27	PINE
pH (SU)	10.00	5GA0867	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GI0959	9/26	PINE
ORP (mV)	240.0	5GI0371	6/26	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4302	2/26	HACH
	20	A4309	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0850		**Time Finish:** 0910			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	18.06	± 10%	EPA 2023
pH (SU)	4.00	4.00	17.94	± 0.1	GWMP
pH (SU)	7.00	7.02	18.24	± 0.1	GWMP
pH (SU)	10.00	10.05	18.08	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	18.30	± 10% of standard	NA
ORP (mV)	240.0	237.7	18.40	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.24	± 10% of standard	EPA 2023
	10	9.60		
	20	19.9		
	100	98.9		

Calibration Check					
Time Start ~~1550~~ 1350		**Time Finish** 1400			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.00	23.78	± 0.1	GWMP
pH (SU)	7.00	6.99	23.84	± 0.1	GWMP
pH (SU)	10.00	9.98	23.81	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1416	23.49	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.18	± 10% of standard	EPA 2023
	10	10.2		
	20	20.7		
	100	99.8		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch

Date: 2/19/26

Calibrated By: C. Klumpp

Field Conditions: Sunny, 78°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquaTroll 500	11 83990
Turbidity Meter	Hach/2100a	19090C079586

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GB0631	1/27	PINE
pH (SU)	10.00	5GA0867	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GE0959	9/26	PINE
ORP (mV)	240.0	5GF0371	6/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10			HACH
	20			HACH
	100			HACH

Calibration					
Time Start: 1440		Time Finish: 1500			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.0	23.76	± 10%	EPA 2023
pH (SU)	4.00	4.00	24.79	± 0.1	GWMP
pH (SU)	7.00	7.00	24.85	± 0.1	GWMP
pH (SU)	10.00	10.00	24.73	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	24.81	± 10% of standard	NA
ORP (mV)	240.0	229.2	24.91	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0		± 10% of standard	EPA 2023
	10			
	20			
	100			

Calibration Check					
Time Start		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			

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch Date: 02-23-26

Calibrated By: J. May Field Conditions: Sunny, 30s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183990
Turbidity Meter	Hach 2100Q	21030C00001

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5G10399	09/27	PINE
pH (SU)	7.00	5GK0631	11/27	PINE
pH (SU)	10.00	5G10401	09/27	PINE
Specific Conductance (µS/cm)	1,413	5G10959	09/26	PINE
ORP (mV)	240.0	5G10371	06/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5042	05/26	HACH
	20	A4309	02/26	HACH
	100	A4306	02/26	HACH

Calibration

Time Start: 1130 Time Finish: 1145

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.0	12.88	± 10%	EPA 2023
pH (SU)	4.00	4.00	13.01	± 0.1	GWMP
pH (SU)	7.00	7.04	13.25	± 0.1	GWMP
pH (SU)	10.00	10.11	12.90	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	13.51	± 10% of standard	NA
ORP (mV)	~~240.0~~ 244 3	249.9	13.83	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.26	± 10% of standard	EPA 2023
	10	10.6		
	20	20.2		
	100	101		

Calibration Check

Time Start 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			

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch Date: 02-24-26

Calibrated By: J. May Field Conditions: Sunny, 20s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183990
Turbidity Meter	Hach 2100Q	210300000201

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5G10399	09/27	PINE
pH (SU)	7.00	5GK00031	11/27	PINE
pH (SU)	10.00	5G10401	09/27	PINE
Specific Conductance (µS/cm)	1,413	5G10959	09/26	PINE
ORP (mV)	240.0	5G10371	08/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5042	05/26	HACH
	20	A4309	02/26	HACH
	100	A4306	02/26	HACH

Calibration

Time Start: 0750 Time Finish: 0806

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.0	1.393	± 10%	EPA 2023
pH (SU)	4.00	4.00	0.366	± 0.1	GWMP
pH (SU)	7.00	7.06	0.090	± 0.1	GWMP
pH (SU)	10.00	10.14	0.189	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	-0.012	± 10% of standard	NA
ORP (mV)	~~240.0~~ 207.1	202.7	-0.195	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.26	± 10% of standard	EPA 2023
	10	10.4		
	20	20.1		
	100	99.8		

Calibration Check

Time Start 1420 Time Finish 1430

Parameter	Standard	Calibretion Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.00	21.30	± 0.1	GWMP
pH (SU)	7.00	7.02	20.43	± 0.1	GWMP
pH (SU)	10.00	10.05	21.45	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	19.10	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.50	± 10% of standard	EPA 2023
	10	10.4		
	20	19.9		
	100	98.4		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch

Date: 2/17/26

Calibrated By: J. Boisfeuillet

Field Conditions: cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua TROLL 200	1235076
Turbidity Meter	HACH 2100Q	170700059578

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	56I0399	9/27	PINE
pH (SU)	7.00	46I6915	9/26	PINE
pH (SU)	10.00	46C0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	56I6959	9/26	PINE
ORP (mV)	240.0	56I0571	6/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4302	2/26	HACH
	20	A4309	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0839		**Time Finish:** 0854			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100	10.04	± 10%	EPA 2023
pH (SU)	4.00	4.00	9.73	± 0.1	GWMP
pH (SU)	7.00	7.06	9.87	± 0.1	GWMP
pH (SU)	10.00	10.14	9.34	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1,413~~ 1,284	1284	9.72	± 10% of standard	NA
ORP (mV)	240.0	249	9.35	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.05	± 10% of standard	EPA 2023
	10	10.1		
	20	20.4		
	100	101		

Calibration Check					
Time Start 1241		**Time Finish** 1250			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.06	11.32	± 0.1	GWMP
pH (SU)	7.00	7.07	11.89	± 0.1	GWMP
pH (SU)	10.00	10.08	11.76	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1,413~~ 1284	1292	11.94	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.10	± 10% of standard	EPA 2023
	10	9.84		
	20	19.9		
	100	104		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch

Date: 2/18/26

Calibrated By: J Bousford

Field Conditions: Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Hydrolab DSX	1235076
Turbidity Meter	HACH 2100Q	17070C05457

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	56I0399	9/27	PINE
pH (SU)	7.00	46I0915	9/26	PINE
pH (SU)	10.00	46C0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	56I0954	9/26	PINE
ORP (mV)	240.0	56I0371	6/26	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4302	2/26	HACH
	20	A4304	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0241		**Time Finish:** 0857			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100	14.11	± 10%	EPA 2023
pH (SU)	4.00	4.00	13.45	± 0.1	GWMP
pH (SU)	7.00	7.04	13.39	± 0.1	GWMP
pH (SU)	10.00	10.11	13.46	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1284	1284	13.11	± 10% of standard	NA
ORP (mV)	240.0	244	13.15	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.12	± 10% of standard	EPA 2023
	10	9.93		
	20	20.2		
	100	102		

Calibration Check					
Time Start 1200		**Time Finish** 1209			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.05	16.62	± 0.1	GWMP
pH (SU)	7.00	7.07	16.94	± 0.1	GWMP
pH (SU)	10.00	10.03	16.77	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1281	1311	16.81	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.0		
	20	19.8		
	100	105		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch AP-E/BCD Date: 2/17/26

Calibrated By: D. Johnson Field Conditions: Cloudy, 46° F

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	Aqua Troll 500	1236093
Turbidity Meter	Hach Q 2100	21050D000604

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	5G70599	9/27	PINE
pH (SU)	7.00	5G7A0631	11/27	↓
pH (SU)	10.00	5G7J044	9/27	↓
Specific Conductance (µS/cm)	1,413	5G7J0969	9/26	↓
ORP (mV)	240.0	5G7J0371	6/26	↓

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	—
	10	A5042	6/26	HACH
	20	A4309	2/26	↓
	100	A4306	2/26	↓

Calibration

Time Start: 0839 Time Finish: 0852

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.3	6.11	± 10%	EPA 2023
pH (SU)	4.00	4.00	6.64	± 0.1	GWMP
pH (SU)	7.00	7.06	6.83	± 0.1	GWMP
pH (SU)	10.00	10.1	6.92	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1417	8.23	± 10% of standard	NA
ORP (mV)	240.0	248	6.86	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.27	± 10% of standard	EPA 2023
	10	9.99		
	20	20.2		
	100	106		

Calibration Check

Time Start 1240 Time Finish 1248

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.00	19.23	± 0.1	GWMP
pH (SU)	7.00	7.01	19.62	± 0.1	GWMP
pH (SU)	10.00	10.02	19.33	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1411	19.30	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.22	± 10% of standard	EPA 2023
	10	10.0		
	20	20.1		
	100	101		

Notes:

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant ~~Moss~~ Branch AP-BCD Date: 2/18/26

Calibrated By: D. Johnson Field Conditions: Cloudy, 55°F

Instrument	Manufactuer/ Model	Serial Numbar
Water Quality Meter	Aqua Troll 500	1235093
Turbidity Meter	Hach 2100	21030C 000601

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	SGJC399	9/27	PINE
pH (SU)	7.00	SGKC631	11/27	↓
pH (SU)	10.00	SGJC401	9/27	↓
Specific Conductance (µS/cm)	1,413	SGJC969	9/26	↓
ORP (mV)	240.0	SGJC371	9/26	↓

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	—
	10	A5042	5/26	HACH
	20	A4309	2/26	↓
	100	A4306	2/26	↓

Calibration					
Time Start: 0841		Time Finish: 0854			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	101.2	13.08	± 10%	EPA 2023
pH (SU)	4.00	4.00	12.51	± 0.1	GWMP
pH (SU)	7.00	7.06	12.40	± 0.1	GWMP
pH (SU)	10.00	10.1	12.32	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1417	12.47	± 10% of standard	NA
ORP (mV)	240.0	242	12.47	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.2		
	20	20.4		
	100	99.5		

Calibration Check					
Time Start 1440		Time Finish 1446			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.02	18.71	± 0.1	GWMP
pH (SU)	7.00	7.00	18.77	± 0.1	GWMP
pH (SU)	10.00	10.07	18.56	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1411	18.27	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.22	± 10% of standard	EPA 2023
	10	10.1		
	20	20.0		
	100	101		

Notes:

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch

Date: 2/17/26

Calibrated By: C. Williams

Field Conditions: Cloudy, 41°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquaread 1/500	1183974
Turbidity Meter	Hach/2100Q	19090C07 9586

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GK0631	11/27	PINE
pH (SU)	10.00	5GA0867	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GI0959	9/26	PINE
ORP (mV)	240.0	5GI0371	6/26	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4302	2/26	HACH
	20	A4309	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0840		**Time Finish:** 0900			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Refarence**
D.O. (%)	N/A	100.0	10.17	± 10%	EPA 2023
pH (SU)	4.00	4.00	9.53	± 0.1	GWMP
pH (SU)	7.00	7.06	9.35	± 0.1	GWMP
pH (SU)	10.00	10.14	9.39	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	9.31	± 10% of standard	NA
ORP (mV)	240.0	249.8	9.19	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.25	± 10% of standard	EPA 2023
	10	9.80		
	20	20.2		
	100	99.8		

Calibration Check					
Time Start 1355		**Time Finish** 1405			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.00	20.65	± 0.1	GWMP
pH (SU)	7.00	7.02	19.34	± 0.1	GWMP
pH (SU)	10.00	10.05	19.93	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	19.24	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.41	± 10% of standard	EPA 2023
	10	9.80		
	20	19.9		
	100	102		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch

Date: 2/18/26

Calibrated By: Cirlamke

Field Conditions: Cloudy, 54

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquatroll/500	1183974
Turbidity Meter	Hach /2100Q	19090C07 9586

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GK063I	11/27	PINE
pH (SU)	10.00	5GA0867	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GF0959	9/26	PINE
ORP (mV)	240.0	5GI0371	6/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4305302	2/26	HACH
	20	A4309	2/26	HACH
	100	A4306	2/26	HACH

Calibration					
Time Start: 0835		Time Finish: 0855			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.0	13.18	± 10%	EPA 2023
pH (SU)	4.00	4.00	12.31	± 0.1	GWMP
pH (SU)	7.00	7.06	12.21	± 0.1	GWMP
pH (SU)	10.00	10.14	12.22	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	12.10	± 10% of standard	NA
ORP (mV)	240.0	245.5	12.45	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.26	± 10% of standard	EPA 2023
	10	10.1		
	20	19.9		
	100	102.0		

Calibration Check					
Time Start 1240		Time Finish 1250			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.00	19.13	± 0.1	GWMP
pH (SU)	7.00	7.02	18.50	± 0.1	GWMP
pH (SU)	10.00	10.05	18.39	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	18.98	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.26	± 10% of standard	EPA 2023
	10	10.0		
	20	20.2		
	100	99.7		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Plant Branch Date: 02-24-26

Calibrated By: J. May Field Conditions: Sunny, 20s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183990
Turbidity Meter	Hach 2100Q	21030D000601

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5G10399	09/27	PINE
pH (SU)	7.00	5G10031	11/27	PINE
pH (SU)	10.00	5G10401	09/27	PINE
Specific Conductance (µS/cm)	1,413	5G10959	09/26	PINE
ORP (mV)	240.0	5G10371	08/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	15042	05/26	HACH
	20	A4209	02/26	HACH
	100	A4200	02/26	HACH

Calibration

Time Start: 0750 Time Finish: 0800

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.0	1.393	± 10%	EPA 2023
pH (SU)	4.00	4.00	0.366	± 0.1	GWMP
pH (SU)	7.00	7.06	0.090	± 0.1	GWMP
pH (SU)	10.00	10.14	0.189	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	-0.012	± 10% of standard	NA
ORP (mV)	~~240.0~~ 207.1	207.1	-0.195	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.26	± 10% of standard	EPA 2023
	10	10.4		
	20	20.1		
	100	99.8		

Calibration Check

Time Start 1420 Time Finish 1430

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.00	21.30	± 0.1	GWMP
pH (SU)	7.00	7.02	20.43	± 0.1	GWMP
pH (SU)	10.00	10.05	21.45	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	19.10	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.30	± 10% of standard	EPA 2023
	10	10.4		
	20	19.9		
	100	98.4		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Branch

Date: 07-25-24

Calibrated By: J. May

Field Conditions: Sunny, 80s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183990
Turbidity Meter	Hach 2100Q	210305000601

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	SG10399	09/27	PINE
pH (SU)	7.00	SGK0631	11/27	PINE
pH (SU)	10.00	SG10401	09/27	PINE
Specific Conductance (µS/cm)	1,413	SG10959	09/24	PINE
ORP (mV)	240.0	SG10371	06/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5042	05/26	HACH
	20	A4309	02/26	HACH
	100	A4306	02/26	HACH

Calibration

Time Start: 0730 Time Finish: 0745

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.6	8.248	± 10%	EPA 2023
pH (SU)	4.00	4.00	5.360	± 0.1	GWMP
pH (SU)	7.00	7.06	4.601	± 0.1	GWMP
pH (SU)	10.00	10.14	4.851	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	4.401	± 10% of standard	NA
ORP (mV)	~~240.0~~ 252	252.6	4.330	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.21	± 10% of standard	EPA 2023
	10	10.2		
	20	19.8		
	100	99.9		

Calibration Check

Time Start 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			

APPENDIX D

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 Ponds B, C, D – August 2025 Statistical Analysis

Dear Mr. Tidwell,

Groundwater Stats Consulting (GSC), formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2025 Semi-Annual Groundwater Detection and Assessment Monitoring Statistical Analysis of groundwater data for Georgia Power Company's Plant Branch Ponds B, C, and D. 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). The site is in Assessment Monitoring.

Sampling began for Appendix III and IV parameters in 2016 for most wells. However, sampling for wells BRGWC-45, BRGWC-47, and BRGWC-52I began in 2018. Semi-annual sampling of the majority of constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations.

The current monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** BRGWA-2I, BRGWA-2S, BRGWA-5I, BRGWA-5S, BRGWA-6S, and BRGWA-23S
- **Downgradient wells:** BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I, PZ-80, and PZ-81
- **Assessment wells:** PZ-68D, PZ-74I, and PZ-75I

Previously, the monitoring well network included upgradient wells BRGWA-12I and BRGWA-12S and several assessment wells which have since been abandoned. While those assessment wells are no longer included in the statistical analysis per request of Geosyntec Consultants, Inc., data from upgradient wells BRGWA-12I and BRGWA-12S will continue to be included in construction of interwell prediction limits and interwell upper tolerance limits since the data represent historical groundwater quality upgradient of the facility. An exception for antimony at upgradient well BRGWA-12I in establishing Groundwater Protection Standards (GWPS) is discussed below.

Data from assessment wells PZ-74I and PZ-75I, which were first sampled in September 2023, have at least 4 samples; therefore, data from these wells are plotted on time series and box plots, and are evaluated with confidence intervals for Appendix IV constituents. Downgradient wells BRGWC-44 (formerly well PZ-44) and PZ-63I were previously designated as assessment wells, and have been reclassified. Data from these wells are analyzed for all Appendix III constituents and Appendix IV constituents using interwell prediction limits and confidence intervals, respectively. Data from downgradient wells PZ-80 and PZ-81 are plotted on time series and box plots and will be evaluated with prediction limits and confidence intervals when at least 8 observations have been collected.

Data were sent electronically to GSC, and the statistical analysis was reviewed by Andrew Collins, Project Manager of GSC.

The Coal Combustion Residuals (CCR) 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). Assessment well data are included on the time series graphs, and are evaluated using confidence intervals when a minimum of

4 samples is available as discussed above. 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 method was 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.

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 most 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. Although outliers are screened for all wells, only outliers in upgradient wells will affect the interwell prediction limits. The current list of outliers includes a few additional measurements that were not flagged as outliers in the previous background screening list for Appendix III parameters.

When suspected outliers were evaluated using the Tukey box plot method during the previous screening, several 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, the measurements 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 Tests

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 are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, 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, included with the background screening report, showed a number of statistically significant decreasing trends for the Appendix III parameters. All trends noted were relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to the data sets at that time.

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 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 2025 (Figure D). Background (upgradient) well data were reassessed for potential outliers during this analysis and no new values were flagged. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. As mentioned above, data from abandoned upgradient wells BRGWA-12I and BRGWA-12S are included in calculations for interwell prediction limits. The August 2025 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When 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; therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Prediction

limit exceedances were noted for several Appendix III parameters. Exceedances were identified for the following well/constituent pairs:

- Boron: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I, and PZ-63I
- Calcium: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I
- Chloride: BRGWC-25I, BRGWC-29I, BRGWC-44, BRGWC-45, BRGWC-52I, and PZ-63I
- pH (lower limit): BRGWC-29I
- Sulfate: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I
- TDS: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I

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 to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (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. A summary of the trend test results follows this letter and statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Boron: BRGWC-47
- Calcium: BRGWA-2S, BRGWA-6S (both upgradient), BRGWC-30I, and PZ-63I
- Sulfate: BRGWC-30I and PZ-63I
- TDS: BRGWC-30I and PZ-63I

Decreasing

- Boron: BRGWC-29I, BRGWC-32S, and BRGWC-44
- Calcium: BRGWA-5S, BRGWA-23S (both upgradient), BRGWC-27I, and BRGWC-32S
- Chloride: BRGWA-5I, BRGWA-5S, BRGWA-12I, BRGWA-23S (all upgradient), and BRGWC-45

- pH: BRGWA-2I, BRGWA-2S, and BRGWA-5S (all upgradient)
- Sulfate: BRGWA-2I, BRGWA-12I, BRGWA-12S, BRGWA-23S (all upgradient), BRGWC-27I, BRGWC-32S, and BRGWC-47
- TDS: BRGWA-2I, BRGWA-5S, BRGWA-23S (all upgradient), BRGWC-27I, BRGWC-32S, and BRGWC-47

Evaluation of Appendix IV Parameters – August 2025

For Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No 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 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). Note that due to the steady increase in concentrations for antimony at upgradient well BRGWA-12I, which, as mentioned above, is abandoned and was last sampled in January 2023, the MCL was used in lieu of the background limit for antimony to maintain a GWPS that is conservative from a regulatory perspective. All measurements for antimony from upgradient wells except for BRGWA-12I are less than the MCL of 0.006 mg/L.

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for Appendix IV constituents in each downgradient with a minimum of 8 samples and assessment wells with a minimum of 4 samples. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the highest and lowest values in background as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above.

When evaluating the entire record of data for selenium at downgradient well BRGWC-32S, a steady increasing trend in concentrations since 2019 was noted. Therefore, the record was truncated so that the confidence interval evaluates data since 2019 for this well/constituent pair (USEPA Unified Guidance, 2009, Chapter 7). Trend tests using both the full and truncated record for selenium at downgradient well BRGWC-32S follow this report (Figure H). Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. A summary of the confidence interval results follows this letter (Figure I). Statistical exceedances were identified for the following well/constituent pair:

- Cobalt: PZ-63I
- Selenium: BRGWC-32S and PZ-75I

Note that an Alternate Source Demonstration (ASD) has been, reportedly, performed for cobalt at well PZ-63I.

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure J). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:
- Cobalt: PZ-63I
- Selenium: BRGWC-32S and PZ-75I

Decreasing:
- Cobalt: BRGWA-2I, BRGWA-2S, BRGWA-5I, and BRGWA-23S (all upgradient)

Summary

Observations from the August 2025 sample event at Branch Pond B, C, D were compared to established interwell prediction limits for all Appendix III constituents. Exceedances were identified for the following well/constituent pairs:

- Boron: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I, and PZ-63I
- Calcium: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I

- Chloride: BRGWC-25I, BRGWC-29I, BRGWC-44, BRGWC-45, BRGWC-52I, and PZ-63I
- pH (lower limit): BRGWC-29I
- Sulfate: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I
- TDS: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I

When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, the following exceedances were identified:

- Cobalt: PZ-63I
- Selenium: BRGWC-32S and PZ-75I

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Branch Ponds B, C, D. 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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Date Ranges

Date: 10/23/2025 12:05 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Selenium (mg/L)

BRGWC-32S overall:8/27/2019-8/26/2025

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 10/23/2025 2:25 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Antimony (mg/L)
BRGWC-25I, BRGWC-27I, BRGWC-44, PZ-63I, PZ-74I, PZ-75I

Arsenic (mg/L)
PZ-63I, PZ-74I, PZ-75I

Beryllium (mg/L)
BRGWC-25I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-52I, PZ-68D, PZ-74I, PZ-75I

Cadmium (mg/L)
BRGWC-25I, BRGWC-29I, BRGWC-44, BRGWC-52I, PZ-63I, PZ-68D, PZ-74I, PZ-75I

Chromium (mg/L)
BRGWC-44, PZ-63I, PZ-68D, PZ-74I, PZ-75I

Lead (mg/L)
BRGWC-32S, BRGWC-44, PZ-63I, PZ-74I, PZ-75I

Lithium (mg/L)
BRGWC-25I

Mercury (mg/L)
BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I, PZ-68D, PZ-75I

Molybdenum (mg/L)
BRGWC-29I, BRGWC-32S, BRGWC-44, PZ-75I

Thallium (mg/L)
BRGWC-25I, BRGWC-27I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I, PZ-68D, PZ-74I, PZ-75I

Appendix III Interwell Prediction Limits - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 1:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BRGWC-25I	0.068	n/a	8/28/2025	1.65	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-27I	0.068	n/a	8/26/2025	1.17	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-29I	0.068	n/a	8/26/2025	1.04	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-30I	0.068	n/a	8/27/2025	1.75	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-32S	0.068	n/a	8/26/2025	0.833	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-44	0.068	n/a	8/27/2025	0.98	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-47	0.068	n/a	8/26/2025	0.647	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-52I	0.068	n/a	8/27/2025	1.42	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	PZ-63I	0.068	n/a	8/27/2025	0.611	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Calcium (mg/L)	BRGWC-25I	24	n/a	8/28/2025	74.7	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-27I	24	n/a	8/26/2025	56.5	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-29I	24	n/a	8/26/2025	84.6	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-30I	24	n/a	8/27/2025	493	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-32S	24	n/a	8/26/2025	31	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-44	24	n/a	8/27/2025	26.7	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-45	24	n/a	8/26/2025	67	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-47	24	n/a	8/26/2025	304	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-52I	24	n/a	8/27/2025	42.5	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	PZ-63I	24	n/a	8/27/2025	77.3	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-25I	5.8	n/a	8/28/2025	13.3	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-29I	5.8	n/a	8/26/2025	8.6	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-44	5.8	n/a	8/27/2025	6.58	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-45	5.8	n/a	8/26/2025	18.3	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-52I	5.8	n/a	8/27/2025	6.96	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-63I	5.8	n/a	8/27/2025	8.33	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-29I	7.024	5.549	8/26/2025	4.52	Yes	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	BRGWC-25I	89	n/a	8/28/2025	201	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-27I	89	n/a	8/26/2025	146	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-29I	89	n/a	8/26/2025	309	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-30I	89	n/a	8/27/2025	1290	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-32S	89	n/a	8/26/2025	166	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-45	89	n/a	8/26/2025	277	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-47	89	n/a	8/26/2025	1220	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-52I	89	n/a	8/27/2025	150	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-63I	89	n/a	8/27/2025	436	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
TDS (mg/L)	BRGWC-25I	181.8	n/a	8/28/2025	443	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-27I	181.8	n/a	8/26/2025	275	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-29I	181.8	n/a	8/26/2025	503	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-30I	181.8	n/a	8/27/2025	2200	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-32S	181.8	n/a	8/26/2025	309	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-45	181.8	n/a	8/26/2025	527	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-47	181.8	n/a	8/26/2025	1940	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-52I	181.8	n/a	8/27/2025	308	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-63I	181.8	n/a	8/27/2025	712	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 1:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**BRGWC-25I**	**0.068**	**n/a**	**8/28/2025**	**1.65**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-27I**	**0.068**	**n/a**	**8/26/2025**	**1.17**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-29I**	**0.068**	**n/a**	**8/26/2025**	**1.04**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-30I**	**0.068**	**n/a**	**8/27/2025**	**1.75**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-32S**	**0.068**	**n/a**	**8/26/2025**	**0.833**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-44**	**0.068**	**n/a**	**8/27/2025**	**0.98**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	BRGWC-45	0.068	n/a	8/26/2025	0.0598	No	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	**BRGWC-47**	**0.068**	**n/a**	**8/26/2025**	**0.647**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-52I**	**0.068**	**n/a**	**8/27/2025**	**1.42**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**PZ-63I**	**0.068**	**n/a**	**8/27/2025**	**0.611**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**BRGWC-25I**	**24**	**n/a**	**8/28/2025**	**74.7**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-27I**	**24**	**n/a**	**8/26/2025**	**56.5**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-29I**	**24**	**n/a**	**8/26/2025**	**84.6**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-30I**	**24**	**n/a**	**8/27/2025**	**493**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-32S**	**24**	**n/a**	**8/26/2025**	**31**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-44**	**24**	**n/a**	**8/27/2025**	**26.7**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-45**	**24**	**n/a**	**8/26/2025**	**67**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-47**	**24**	**n/a**	**8/26/2025**	**304**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-52I**	**24**	**n/a**	**8/27/2025**	**42.5**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**PZ-63I**	**24**	**n/a**	**8/27/2025**	**77.3**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-25I**	**5.8**	**n/a**	**8/28/2025**	**13.3**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-27I	5.8	n/a	8/26/2025	3.1	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-29I**	**5.8**	**n/a**	**8/26/2025**	**8.6**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-30I	5.8	n/a	8/27/2025	2.76	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-32S	5.8	n/a	8/26/2025	4.04	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-44**	**5.8**	**n/a**	**8/27/2025**	**6.58**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-45**	**5.8**	**n/a**	**8/26/2025**	**18.3**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-47	5.8	n/a	8/26/2025	4.88	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-52I**	**5.8**	**n/a**	**8/27/2025**	**6.96**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-63I**	**5.8**	**n/a**	**8/27/2025**	**8.33**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	BRGWC-25I	0.42	n/a	8/28/2025	0.247	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-27I	0.42	n/a	8/26/2025	0.186	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-29I	0.42	n/a	8/26/2025	0.109	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-30I	0.42	n/a	8/27/2025	0.149	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-32S	0.42	n/a	8/26/2025	0.0564J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-44	0.42	n/a	8/27/2025	0.107	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-45	0.42	n/a	8/26/2025	0.0663J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-47	0.42	n/a	8/26/2025	0.0971J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-52I	0.42	n/a	8/27/2025	0.0985J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-63I	0.42	n/a	8/27/2025	0.141	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-25I	7.024	5.549	8/28/2025	6.34	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-27I	7.024	5.549	8/26/2025	5.79	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-29I**	**7.024**	**5.549**	**8/26/2025**	**4.52**	**Yes**	**188**	**6.286**	**0.3799**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-30I	7.024	5.549	8/27/2025	6.3	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-32S	7.024	5.549	8/26/2025	6.14	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-44	7.024	5.549	8/27/2025	5.95	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-45	7.024	5.549	8/26/2025	5.8	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-47	7.024	5.549	8/26/2025	5.79	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-52I	7.024	5.549	8/27/2025	6.19	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	PZ-63I	7.024	5.549	8/27/2025	5.57	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	**BRGWC-25I**	**89**	**n/a**	**8/28/2025**	**201**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-27I**	**89**	**n/a**	**8/26/2025**	**146**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-29I**	**89**	**n/a**	**8/26/2025**	**309**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-30I**	**89**	**n/a**	**8/27/2025**	**1290**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-32S**	**89**	**n/a**	**8/26/2025**	**166**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BRGWC-44	89	n/a	8/27/2025	42	No	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BRGWC-45**	**89**	**n/a**	**8/26/2025**	**277**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-47**	**89**	**n/a**	**8/26/2025**	**1220**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-52I**	**89**	**n/a**	**8/27/2025**	**150**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**PZ-63I**	**89**	**n/a**	**8/27/2025**	**436**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BRGWC-25I**	**181.8**	**n/a**	**8/28/2025**	**443**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-27I**	**181.8**	**n/a**	**8/26/2025**	**275**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-29I**	**181.8**	**n/a**	**8/26/2025**	**503**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-30I**	**181.8**	**n/a**	**8/27/2025**	**2200**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-32S**	**181.8**	**n/a**	**8/26/2025**	**309**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	BRGWC-44	181.8	n/a	8/27/2025	176	No	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**BRGWC-45**	**181.8**	**n/a**	**8/26/2025**	**527**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-47**	**181.8**	**n/a**	**8/26/2025**	**1940**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 1:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	**BRGWC-52I**	**181.8**	**n/a**	**8/27/2025**	**308**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-63I**	**181.8**	**n/a**	**8/27/2025**	**712**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWC-29I	-0.07168	-100	-92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-32S	-0.06487	-133	-105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-44	-0.1471	-43	-34	Yes	11	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-47	0.03321	135	98	Yes	23	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)	BRGWA-23S (bg)	-1.133	-150	-92	Yes	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-27I	-2.086	-99	-98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-30I	50.38	206	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-32S	-3.348	-133	-98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-63I	10.43	28	21	Yes	8	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-12I (bg)	-0.1919	-99	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-23S (bg)	-0.2302	-170	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-45	-5.934	-163	-98	Yes	23	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)	BRGWA-12I (bg)	-0.2108	-113	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-12S (bg)	-0.126	-88	-68	Yes	18	16.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-23S (bg)	-7.608	-141	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-27I	-15.58	-179	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-30I	121.6	167	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-32S	-26.36	-169	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-47	-39.49	-125	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-63I	67.41	26	21	Yes	8	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)	BRGWA-23S (bg)	-9.507	-134	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-27I	-18.14	-143	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-30I	201.1	185	92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-32S	-37.39	-192	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-47	-34.47	-107	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-63I	97.65	28	21	Yes	8	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:02 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)	BRGWA-12I (bg)	-0.00006578	-7	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12S (bg)	0	-7	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-23S (bg)	-0.0002267	-4	-92	No	22	9.091	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-25I	0.01174	12	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-27I	-0.03568	-60	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-29I**	**-0.07168**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-30I	0.0438	89	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-32S**	**-0.06487**	**-133**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-44**	**-0.1471**	**-43**	**-34**	**Yes**	**11**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-47**	**0.03321**	**135**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-52I	0.02123	51	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-63I	0.003812	2	21	No	8	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)	BRGWA-12I (bg)	-0.2348	-12	-68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-12S (bg)	0.1273	28	68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.133**	**-150**	**-92**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-25I	-0.6535	-15	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-27I**	**-2.086**	**-99**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-29I	-0.3014	-9	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-30I**	**50.38**	**206**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWC-32S**	**-3.348**	**-133**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-44	0.02658	9	34	No	11	18.18	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-45	-1.069	-44	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-47	-1.011	-29	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-52I	-0.1037	-11	-87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-63I**	**10.43**	**28**	**21**	**Yes**	**8**	**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)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-12S (bg)	0.06545	54	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2302**	**-170**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-25I	0.1538	20	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-29I	0.04623	11	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-44	0.0944	20	34	No	11	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-45**	**-5.934**	**-163**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-52I	-0.08962	-70	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-63I	0.495	18	21	No	8	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)	BRGWA-12I (bg)	-0.02367	-31	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12S (bg)	-0.01693	-51	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-23S (bg)	-0.00486	-16	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-29I	-0.009691	-32	-105	No	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)	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)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-7.608**	**-141**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-25I	-14.22	-87	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-27I**	**-15.58**	**-179**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BRGWC-29I	-11.5	-54	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-30I**	**121.6**	**167**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-32S**	**-26.36**	**-169**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-45	0.5483	17	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-47**	**-39.49**	**-125**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-52I	-3.033	-69	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-63I**	**67.41**	**26**	**21**	**Yes**	**8**	**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)	BRGWA-12I (bg)	-5.117	-61	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12S (bg)	-5.699	-57	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-23S (bg)**	**-9.507**	**-134**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-25I	-18.92	-73	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-27I**	**-18.14**	**-143**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-29I	-20.38	-65	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-30I**	**201.1**	**185**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWC-32S**	**-37.39**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-45	-16.23	-90	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-47**	**-34.47**	**-107**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-52I	-8.169	-89	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**PZ-63I**	**97.65**	**28**	**21**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits Summary Table

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/27/2025, 1:50 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0245	n/a	n/a	n/a	n/a	174	85.63	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	174	77.59	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.13	n/a	n/a	n/a	n/a	174	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	174	100	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	176	98.86	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.016	n/a	n/a	n/a	n/a	174	21.84	n/a	NaN	NP Inter(normality)
Cobalt (mg/L)	n/a	0.0135	n/a	n/a	n/a	n/a	175	54.29	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	2.659	n/a	n/a	n/a	n/a	174	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.42	n/a	n/a	n/a	n/a	182	44.51	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	174	89.66	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.089	n/a	n/a	n/a	n/a	174	41.95	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.00021	n/a	n/a	n/a	n/a	158	90.51	n/a	0.0003022	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.008	n/a	n/a	n/a	n/a	171	72.51	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.006	n/a	n/a	n/a	n/a	174	92.53	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	174	100	n/a	NaN	NP Inter(NDs)

PLANT BRANCH POND BCD GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.025	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.13	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	0.014	0.014
Combined Radium, Total (pCi/L)	5		2.66	5
Fluoride, Total (mg/L)	4		0.42	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		0.006	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*

***MCL used in lieu of Background limit for Antimony*

Selenium BRGWC-32S Trend Test - All/Significant Result

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	**BRGWC-32S**	**0.02673**	**147**	**85**	**Yes**	**25**	**16**	**n/a**	**n/a**	**0.05**	**NP**

Selenium BRGWC-32S Trend Test Truncated Records - All Result (No Significant)

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:36 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	BRGWC-32S	0.01566	18	49	No	17	0	n/a	n/a	0.05	NP

Confidence Interval Summary Table - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**PZ-63I**	**0.03871**	**0.02266**	**0.014**	**Yes**	**8**	**0.007571**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**BRGWC-32S**	**0.1681**	**0.1003**	**0.05**	**Yes**	**17**	**0.05409**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**PZ-75I**	**0.1325**	**0.0656**	**0.05**	**Yes**	**6**	**0.02434**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BRGWC-29I	0.003	0.0007	0.006	No	23	0.0004796	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-30I	0.003	0.0013	0.006	No	23	0.0003545	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-32S	0.003	0.0014	0.006	No	23	0.0003336	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-45	0.003	0.0024	0.006	No	24	0.000806	70.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-47	0.003	0.00035	0.006	No	24	0.0005409	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-52I	0.003	0.00091	0.006	No	23	0.0007856	86.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-68D	0.003	0.00176	0.006	No	6	0.0005062	83.33	None	No	0.0155	NP (NDs)
Arsenic (mg/L)	BRGWC-25I	0.005	0.00091	0.01	No	23	0.001672	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-27I	0.005	0.0014	0.01	No	23	0.001544	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-29I	0.005	0.0019	0.01	No	23	0.001805	65.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-30I	0.005	0.00408	0.01	No	23	0.001467	73.91	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-32S	0.005	0.00053	0.01	No	23	0.0009321	95.65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-44	0.005	0.00221	0.01	No	11	0.001431	72.73	None	No	0.006	NP (NDs)
Arsenic (mg/L)	BRGWC-45	0.005	0.0018	0.01	No	24	0.001795	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-47	0.005	0.0018	0.01	No	24	0.001748	37.5	None	No	0.01	NP (normality)
Arsenic (mg/L)	BRGWC-52I	0.005	0.0031	0.01	No	23	0.001393	56.52	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-68D	0.005028	0.001513	0.01	No	6	0.00136	50	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	BRGWC-25I	0.03281	0.02675	2	No	23	0.006202	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BRGWC-27I	0.017	0.015	2	No	23	0.00245	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-29I	0.01867	0.01691	2	No	23	0.001682	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-30I	0.03183	0.02489	2	No	23	0.006635	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-32S	0.03696	0.02409	2	No	23	0.01231	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-44	0.05451	0.04929	2	No	11	0.003127	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-45	0.08709	0.06888	2	No	24	0.01785	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-47	0.03887	0.03135	2	No	24	0.007374	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-52I	0.03147	0.01948	2	No	23	0.01147	0	None	No	0.01	Param.
Barium (mg/L)	PZ-63I	0.037	0.0202	2	No	8	0.005522	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-68D	0.1335	0.06937	2	No	6	0.02335	0	None	No	0.01	Param.
Barium (mg/L)	PZ-74I	0.0586	0.0222	2	No	6	0.01396	0	None	No	0.0155	NP (normality)
Barium (mg/L)	PZ-75I	0.05297	0.02223	2	No	5	0.009171	0	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-27I	0.0005	0.00012	0.004	No	24	0.0001838	37.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-29I	0.001085	0.0008511	0.004	No	23	0.0002237	4.348	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-45	0.0005	0.000079	0.004	No	25	0.0001212	92	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BRGWC-47	0.0005	0.00006	0.004	No	24	0.0001696	83.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	PZ-63I	0.0005	0.000286	0.004	No	8	0.00007566	87.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	BRGWC-27I	0.001	0.00009	0.005	No	24	0.0002598	91.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-30I	0.001	0.00014	0.005	No	24	0.0002514	91.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-32S	0.001	0.00012	0.005	No	24	0.0003417	83.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-45	0.001	0.00029	0.005	No	25	0.0003414	80	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-47	0.001	0.00018	0.005	No	24	0.0004172	58.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-25I	0.01	0.0016	0.1	No	23	0.002511	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-27I	0.01	0.003	0.1	No	23	0.002324	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-29I	0.02	0.01	0.1	No	23	0.002085	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-30I	0.014	0.0051	0.1	No	23	0.001348	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-32S	0.01	0.0019	0.1	No	23	0.004254	52.17	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-45	0.01	0.0014	0.1	No	24	0.003051	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-47	0.01	0.0018	0.1	No	24	0.003418	83.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-52I	0.01	0.0017	0.1	No	23	0.001731	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-25I	0.005525	0.003461	0.014	No	23	0.002117	4.348	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-27I	0.009464	0.006401	0.014	No	24	0.003001	0	None	No	0.01	Param.
Cobalt (mg/L)	BRGWC-29I	0.008992	0.00667	0.014	No	23	0.002364	4.348	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-30I	0.00179	0.001	0.014	No	24	0.006328	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	BRGWC-32S	0.0025	0.001	0.014	No	24	0.0003062	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-44	0.001	0.001	0.014	No	11	0.0001785	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	BRGWC-45	0.00998	0.003927	0.014	No	25	0.01331	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-47	0.0009719	0.0004193	0.014	No	24	0.001517	41.67	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-52I	0.0012	0.00063	0.014	No	23	0.0008797	60.87	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**PZ-63I**	**0.03871**	**0.02266**	**0.014**	**Yes**	**8**	**0.007571**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	PZ-68D	0.001037	0.0004021	0.014	No	6	0.000231	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-74I	0.001753	0.0004311	0.014	No	6	0.000711	50	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-75I	0.00105	0.000519	0.014	No	5	0.0002218	60	Kaplan-Meier	No	0.031	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BRGWC-25I	2.223	0.8436	5	No	23	1.563	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-27I	1.695	0.7958	5	No	23	0.9629	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-29I	2.264	1.277	5	No	23	1.109	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-30I	2.098	0.8597	5	No	23	1.426	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-32S	1.481	0.6519	5	No	23	0.7929	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-44	2.651	0.4419	5	No	11	1.507	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-45	1.187	0.4907	5	No	24	0.8227	0	None	sqrt(x)	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BRGWC-47	2.136	1.049	5	No	24	1.065	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-52I	4.558	1.808	5	No	23	3.343	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-63I	4.61	0.8242	5	No	8	1.786	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-68D	5.025	1.124	5	No	6	1.55	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-74I	5.002	0.3135	5	No	6	2.823	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-75I	3.43	1.502	5	No	5	0.5752	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-25I	0.2477	0.1582	4	No	24	0.116	4.167	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-27I	0.2637	0.1774	4	No	25	0.08661	8	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-29I	0.1788	0.09812	4	No	24	0.11	8.333	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-30I	0.3028	0.148	4	No	24	0.1895	4.167	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-32S	0.1021	0.06312	4	No	25	0.04306	44	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BRGWC-44	0.1937	0.1003	4	No	11	0.08162	18.18	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BRGWC-45	0.142	0.078	4	No	25	0.2025	40	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-47	0.243	0.189	4	No	25	0.2367	44	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-52I	0.2121	0.1361	4	No	23	0.07265	4.348	None	No	0.01	Param.
Fluoride (mg/L)	PZ-63I	0.264	0.141	4	No	8	0.05799	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-68D	0.2227	0.1006	4	No	6	0.04446	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-74I	0.2155	0.05613	4	No	6	0.05801	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-75I	0.1705	0.06252	4	No	6	0.03932	0	None	No	0.01	Param.
Lead (mg/L)	BRGWC-25I	0.002	0.00011	0.015	No	23	0.0003941	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-27I	0.002	0.000063	0.015	No	23	0.0004039	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-29I	0.002	0.00032	0.015	No	22	0.0008215	40.91	None	No	0.01	NP (normality)
Lead (mg/L)	BRGWC-30I	0.002	0.00011	0.015	No	23	0.0003941	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-45	0.002	0.000595	0.015	No	24	0.0006601	83.33	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-47	0.002	0.00012	0.015	No	24	0.0006494	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-52I	0.002	0.000042	0.015	No	23	0.0004083	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-68D	0.002	0.000504	0.015	No	6	0.0006107	83.33	None	No	0.0155	NP (NDs)
Lithium (mg/L)	BRGWC-27I	0.01	0.0014	0.089	No	23	0.004254	39.13	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-29I	0.003758	0.003124	0.089	No	23	0.0006331	8.696	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BRGWC-30I	0.02189	0.0144	0.089	No	23	0.007431	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BRGWC-32S	0.00514	0.0021	0.089	No	23	0.006453	8.696	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-44	0.00728	0.0048	0.089	No	11	0.003032	0	None	No	0.006	NP (normality)
Lithium (mg/L)	BRGWC-45	0.0043	0.003	0.089	No	23	0.003077	26.09	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-47	0.0456	0.04178	0.089	No	24	0.00374	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-52I	0.01044	0.004783	0.089	No	23	0.006088	4.348	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-63I	0.006973	0.00538	0.089	No	8	0.0007896	0	None	x^3	0.01	Param.
Lithium (mg/L)	PZ-68D	0.008302	0.00347	0.089	No	6	0.002432	16.67	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	PZ-74I	0.00825	0.00692	0.089	No	6	0.0005119	0	None	No	0.0155	NP (normality)
Lithium (mg/L)	PZ-75I	0.005788	0.002816	0.089	No	5	0.0008866	0	None	No	0.01	Param.
Mercury (mg/L)	BRGWC-25I	0.0002	0.000083	0.002	No	21	0.00004221	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-27I	0.0002	0.00005	0.002	No	21	0.00004557	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-29I	0.000384	0.000098	0.002	No	21	0.0001443	76.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-30I	0.0002	0.000082	0.002	No	21	0.00004924	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-32S	0.0002	0.0001	0.002	No	21	0.00003931	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-74I	0.0002	0.000121	0.002	No	6	0.00003225	83.33	None	No	0.0155	NP (NDs)
Molybdenum (mg/L)	BRGWC-25I	0.01	0.001	0.1	No	22	0.004554	45.45	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-27I	0.001	0.000512	0.1	No	22	0.0002475	86.36	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-30I	0.01	0.00123	0.1	No	22	0.004465	50	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-45	0.001	0.00076	0.1	No	23	0.0002755	73.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-47	0.01	0.000296	0.1	No	23	0.004575	69.57	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-52I	0.01	0.000782	0.1	No	22	0.004156	31.82	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-63I	0.0008681	0.0006317	0.1	No	8	0.0001115	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-68D	0.009707	0.004598	0.1	No	6	0.002153	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	PZ-74I	0.00276	0.000597	0.1	No	6	0.0007685	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BRGWC-25I	0.005	0.00217	0.05	No	23	0.0008255	91.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-27I	0.005	0.00309	0.05	No	23	0.001209	43.48	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-29I	0.005	0.0045	0.05	No	23	0.00127	52.17	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-30I	0.005	0.0045	0.05	No	23	0.0008216	78.26	None	No	0.01	NP (NDs)
Selenium (mg/L)	**BRGWC-32S**	**0.1681**	**0.1003**	**0.05**	**Yes**	**17**	**0.05409**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	BRGWC-44	0.005	0.005	0.05	No	11	0.0008985	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BRGWC-45	0.005	0.0029	0.05	No	24	0.0006723	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-47	0.005	0.0024	0.05	No	24	0.00148	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-52I	0.005	0.00198	0.05	No	23	0.0006297	95.65	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-63I	0.005	0.00262	0.05	No	8	0.0008415	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-68D	0.005	0.00205	0.05	No	6	0.001204	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	PZ-74I	0.07383	0.02831	0.05	No	6	0.01657	0	None	No	0.01	Param.
Selenium (mg/L)	**PZ-75I**	**0.1325**	**0.0656**	**0.05**	**Yes**	**6**	**0.02434**	**0**	**None**	**No**	**0.01**	**Param.**
Thallium (mg/L)	BRGWC-29I	0.002	0.00017	0.002	No	23	0.0009234	43.48	None	No	0.01	NP (normality)

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/27/2025, 1:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
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-23S (bg)**	**-0.0004011**	**-127**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.006025**	**26**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**BRGWC-32S**	**0.02673**	**147**	**85**	**Yes**	**25**	**16**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02857**	**13**	**12**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

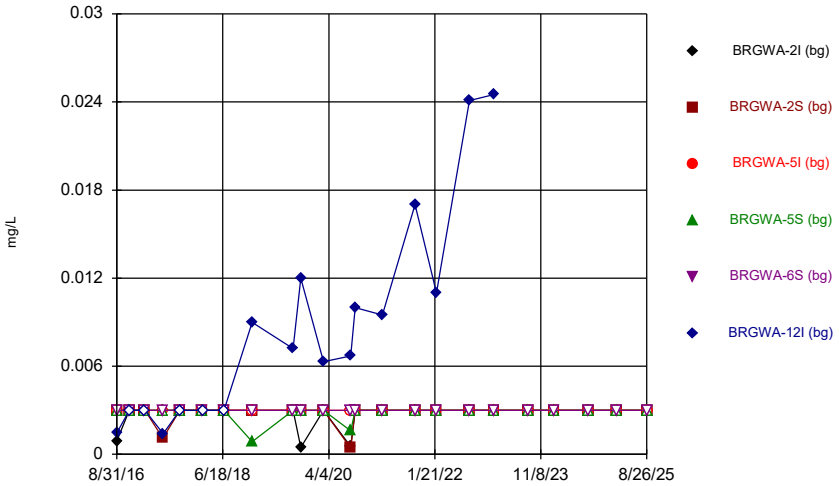
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/27/2025, 1:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
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)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0004011**	**-127**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.006025**	**26**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	BRGWA-2I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-2S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-6S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-23S (bg)	0	-6	-76	No	23	43.48	n/a	n/a	0.05	NP
Selenium (mg/L)	**BRGWC-32S**	**0.02673**	**147**	**85**	**Yes**	**25**	**16**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02857**	**13**	**12**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.05**	**NP**

FIGURE A.

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Hollow symbols indicate censored values.

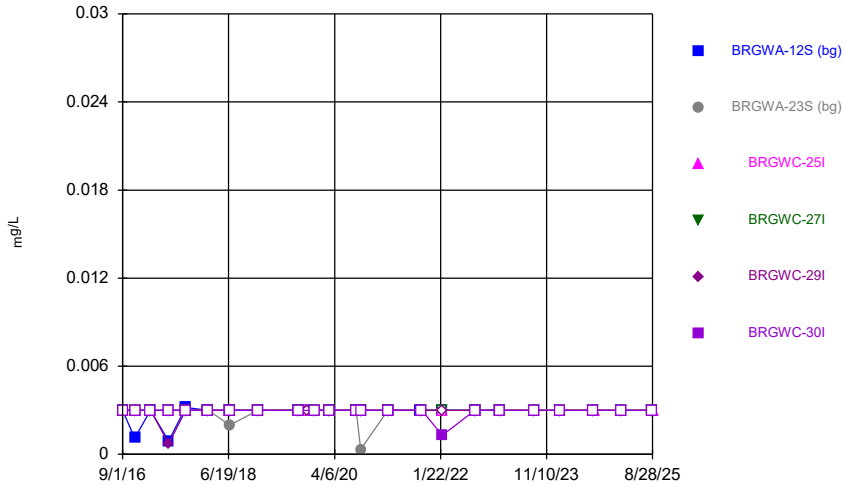
Time Series



Constituent: Antimony Analysis Run 10/27/2025 1:36 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

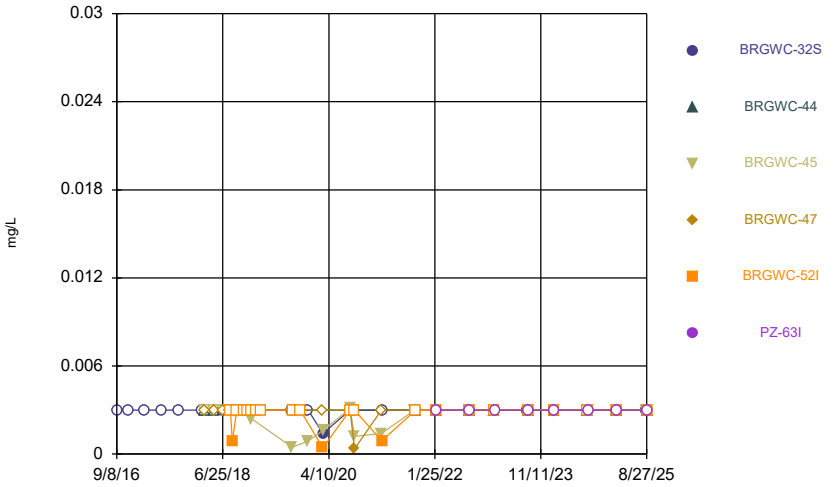
Time Series



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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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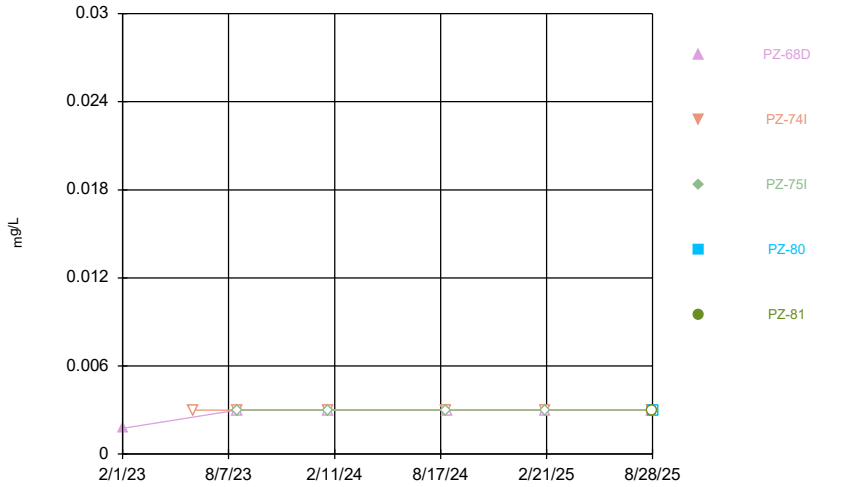
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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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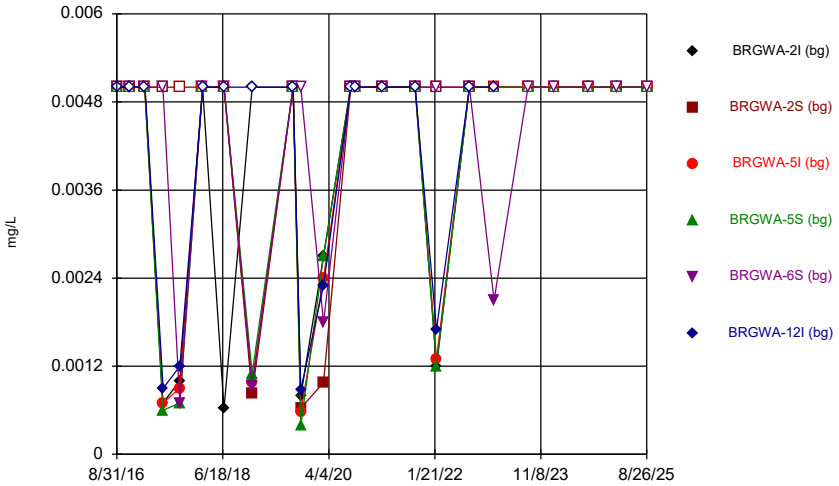
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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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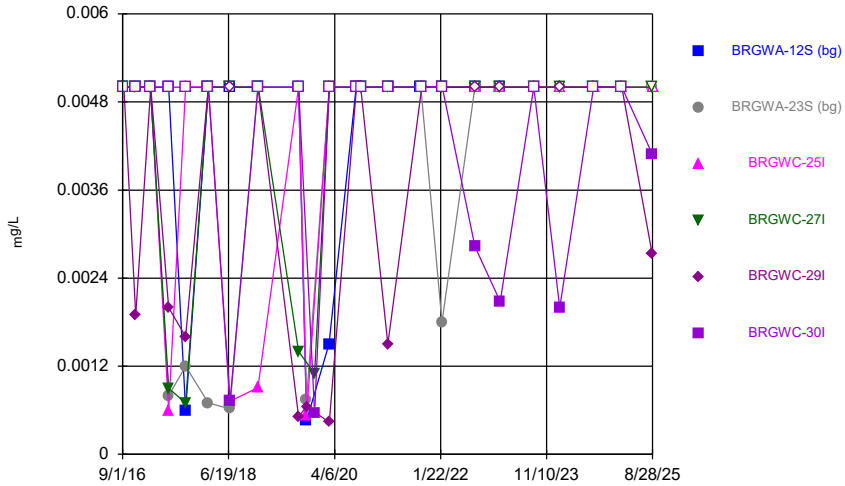
Time Series



Constituent: Arsenic Analysis Run 10/27/2025 1:36 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

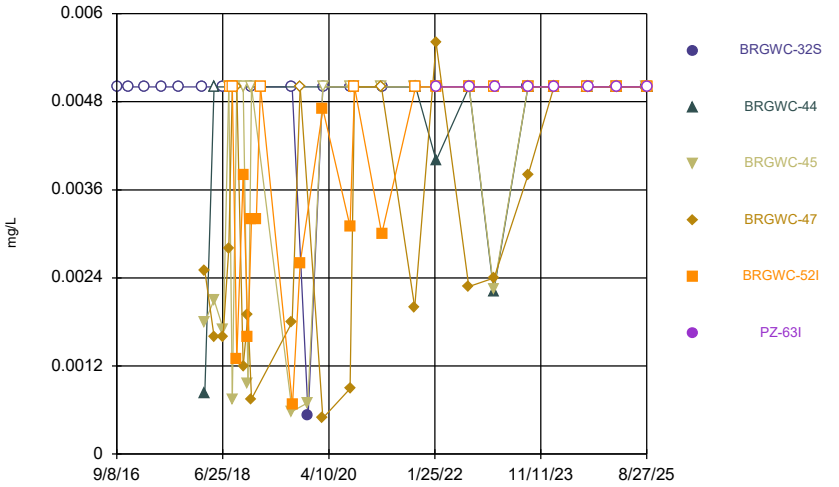
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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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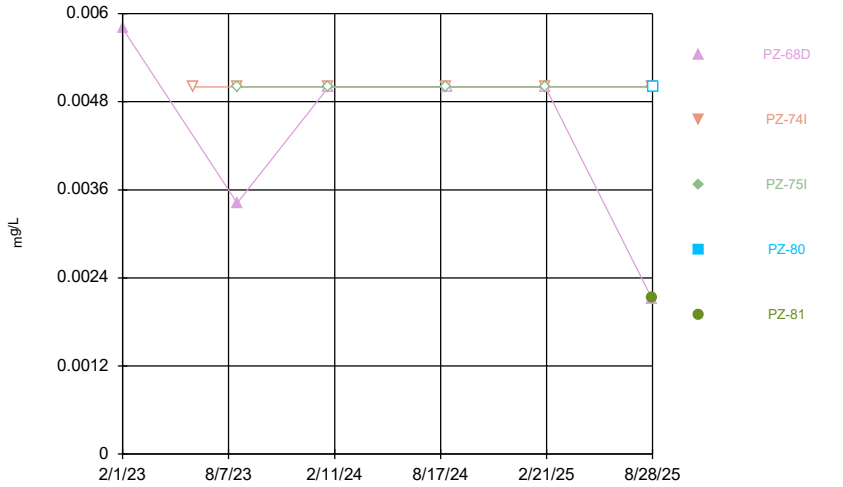
Time Series



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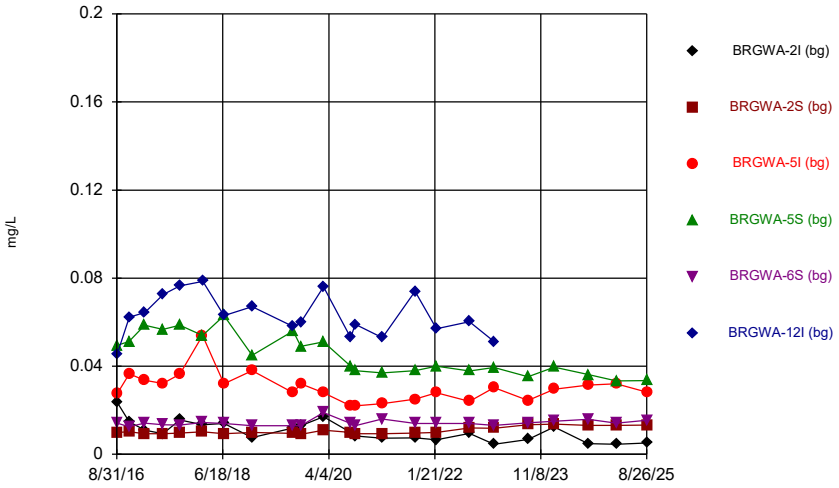
Time Series



Constituent: Arsenic Analysis Run 10/27/2025 1:36 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Time Series

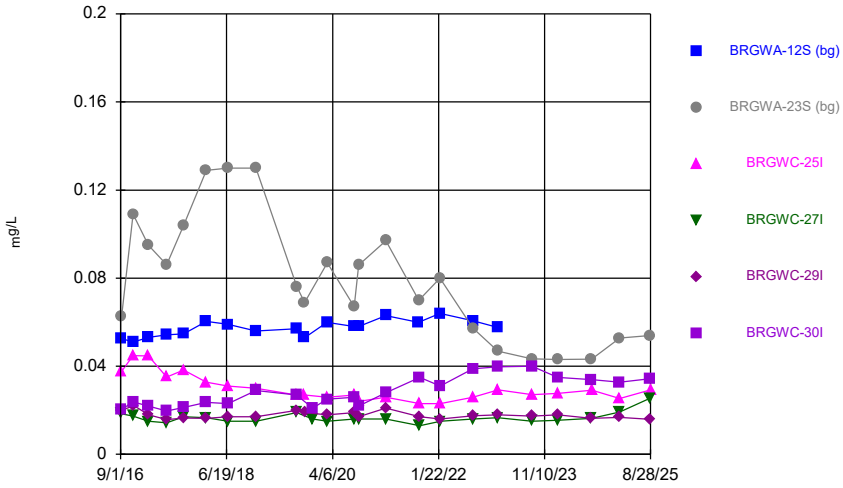


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Time Series

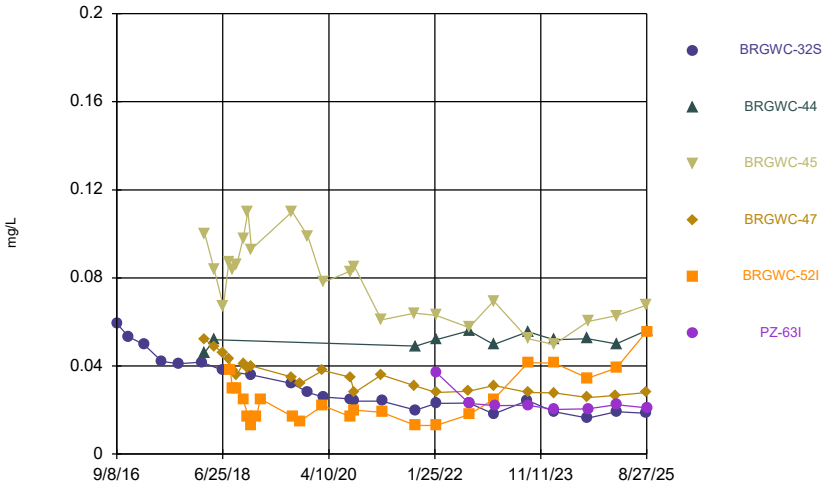


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Time Series

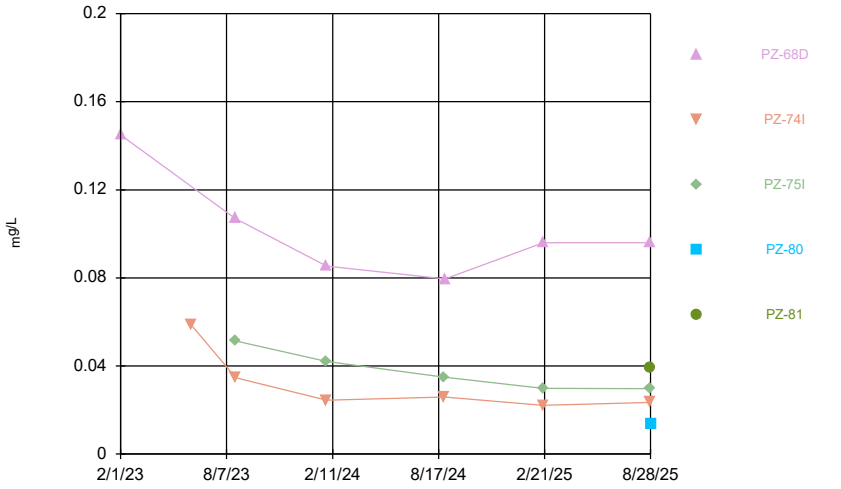


Constituent: Barium Analysis Run 10/27/2025 1:36 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

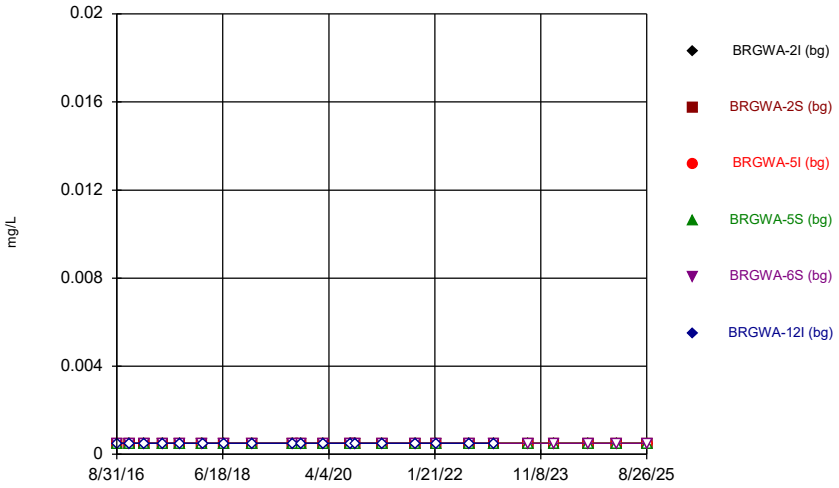


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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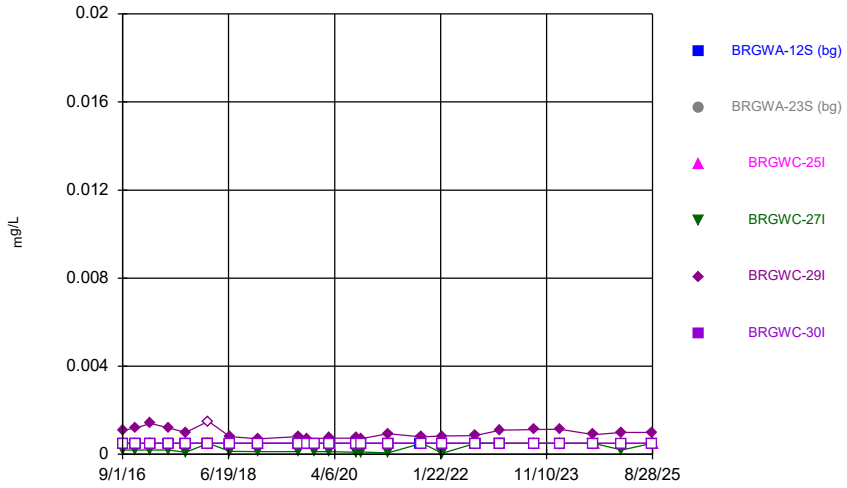
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Constituent: Beryllium Analysis Run 10/27/2025 1:36 PM
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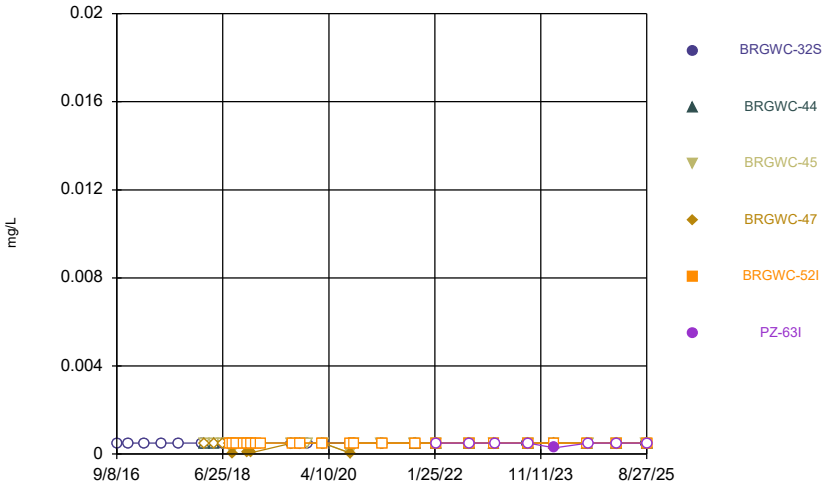
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Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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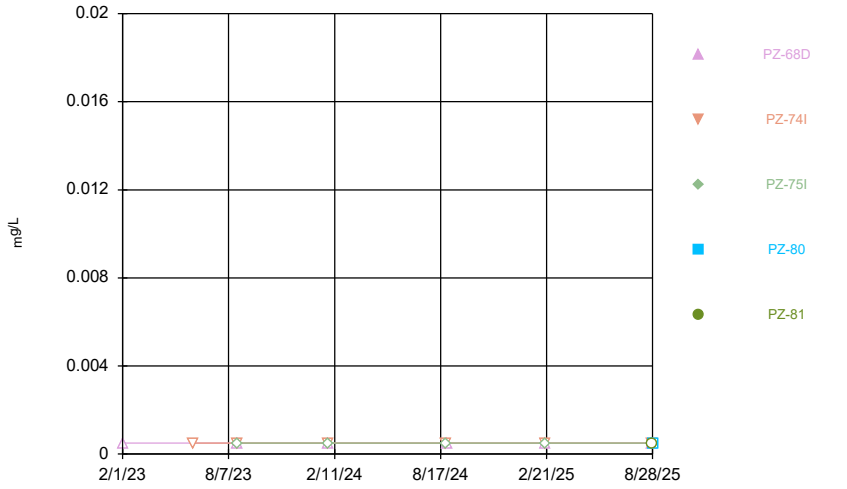
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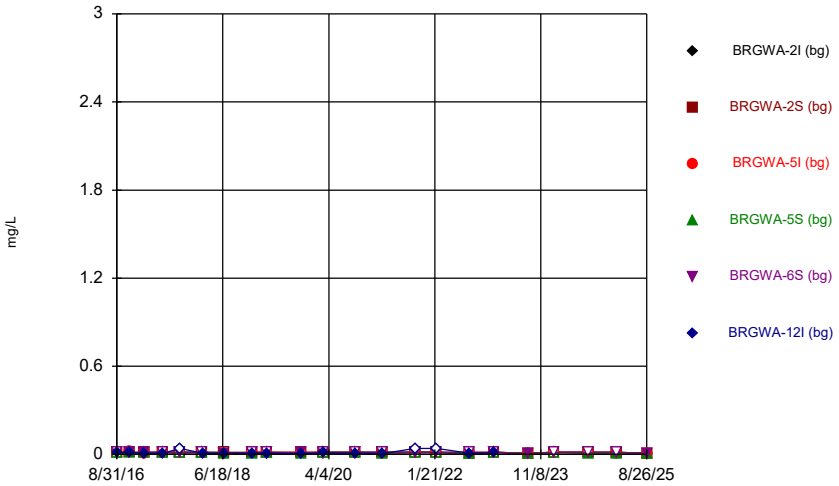
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Hollow symbols indicate censored values.

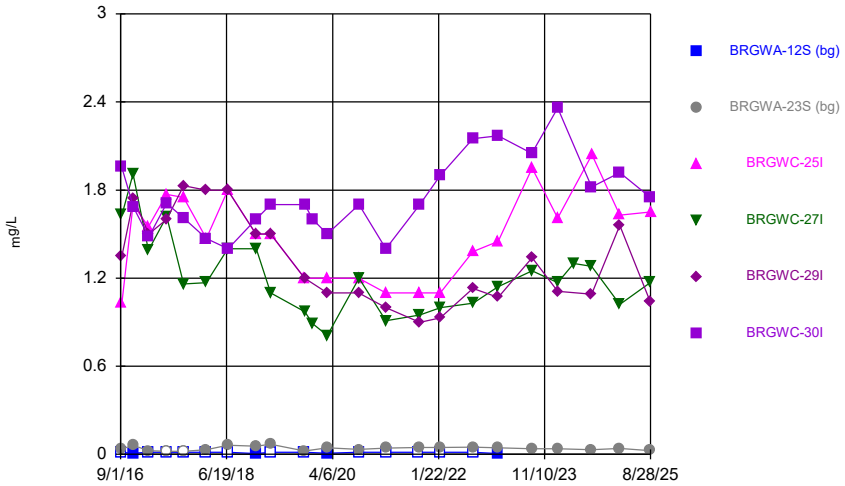
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Constituent: Boron Analysis Run 10/27/2025 1:36 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

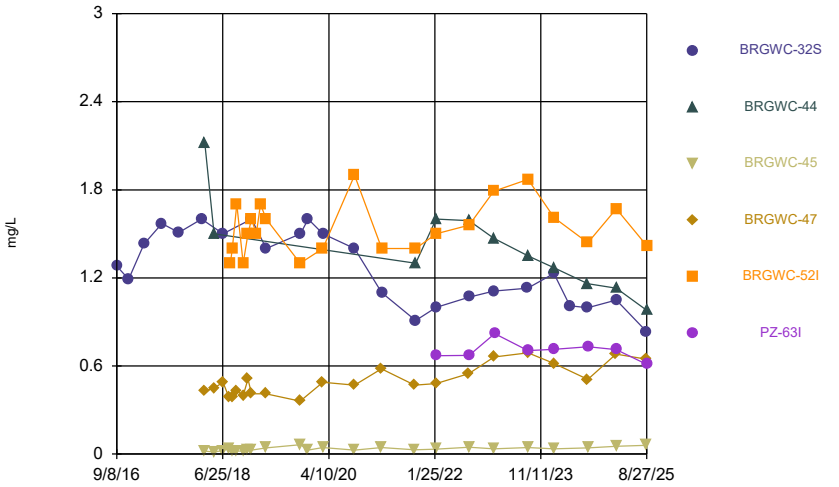
Time Series



Constituent: Boron Analysis Run 10/27/2025 1:36 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

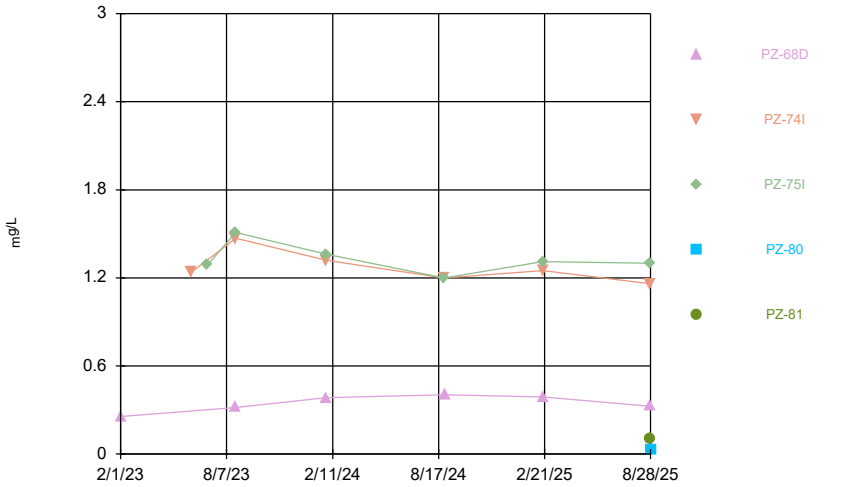
Time Series



Constituent: Boron Analysis Run 10/27/2025 1:36 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

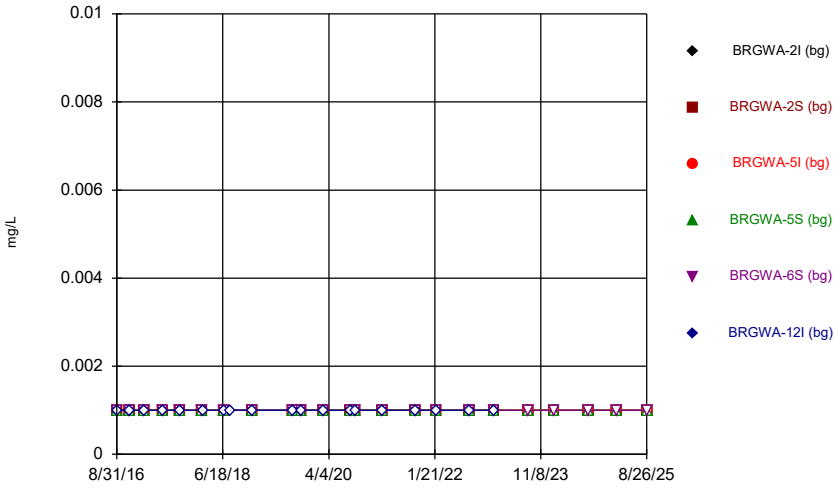
Time Series



Constituent: Boron Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

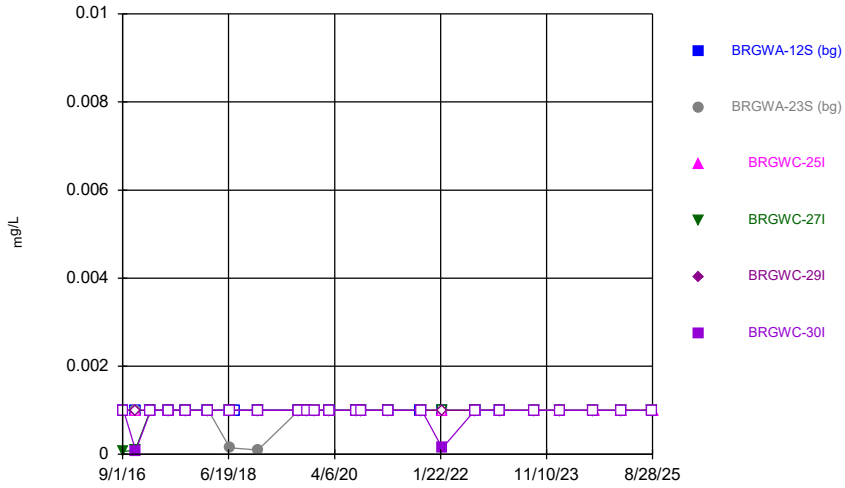
Time Series



Constituent: Cadmium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

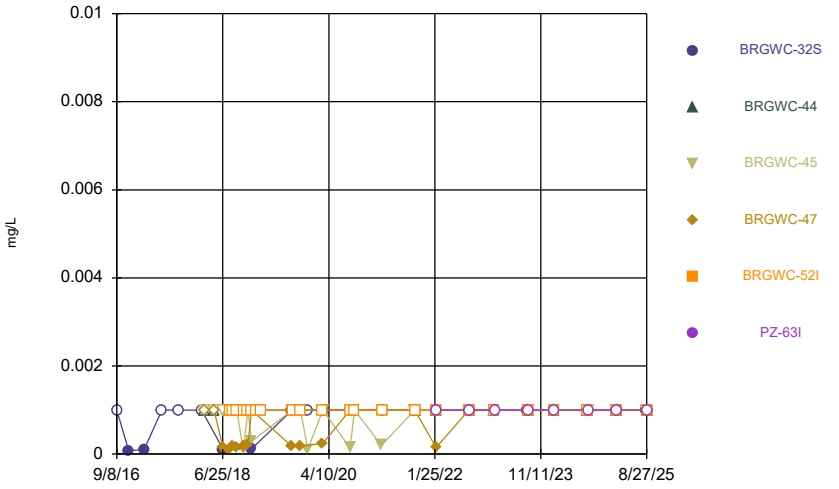
Time Series



Constituent: Cadmium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

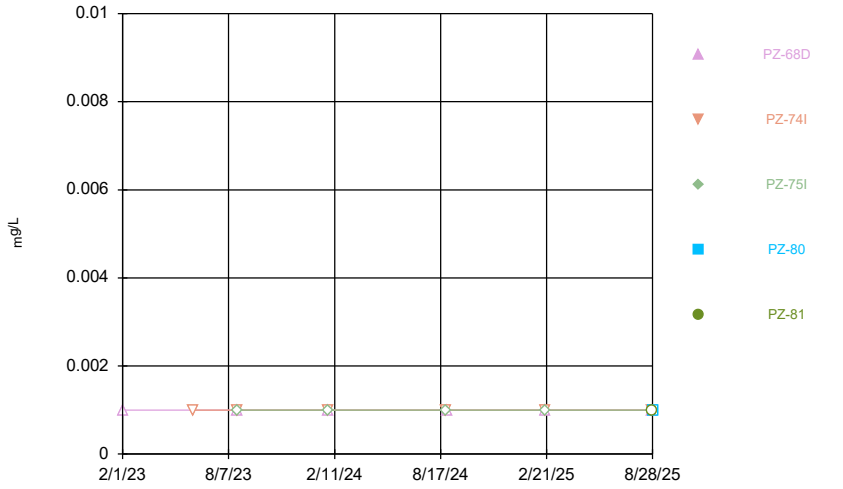
Time Series



Constituent: Cadmium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

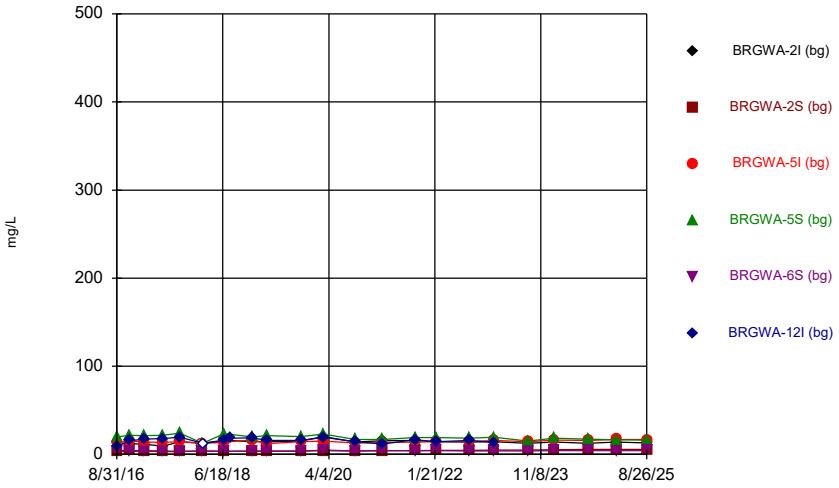
Time Series



Constituent: Cadmium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

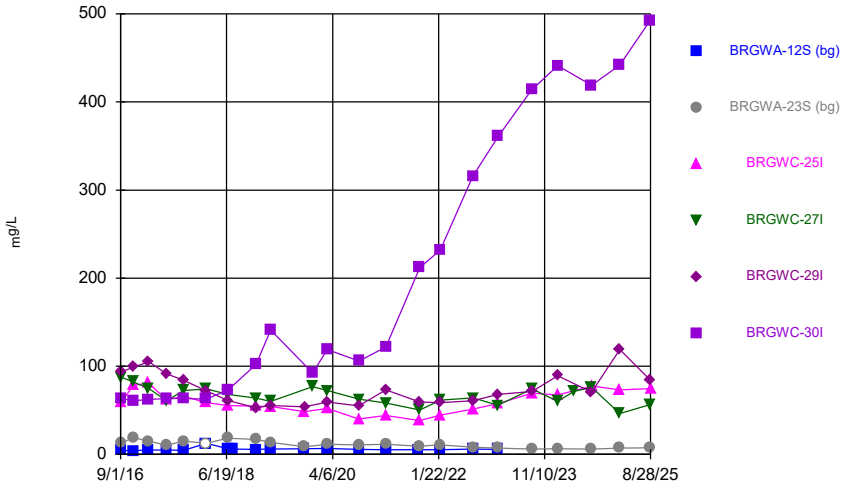
Time Series



Constituent: Calcium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

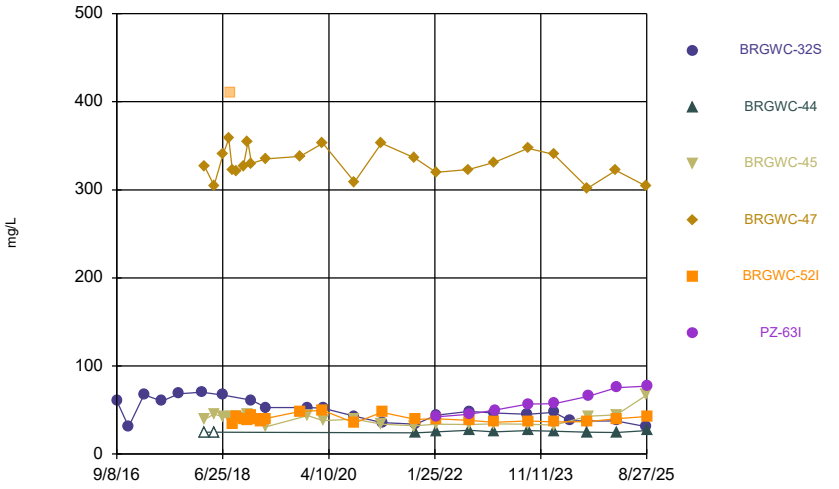
Time Series



Constituent: Calcium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

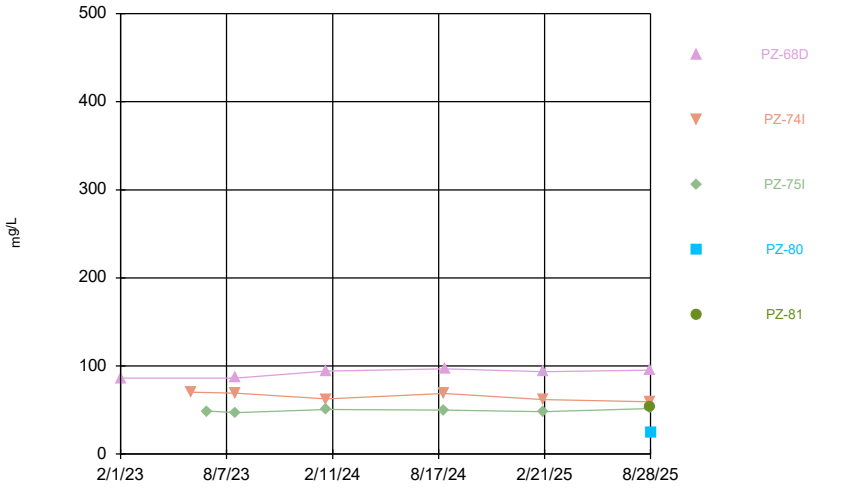
Time Series



Constituent: Calcium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

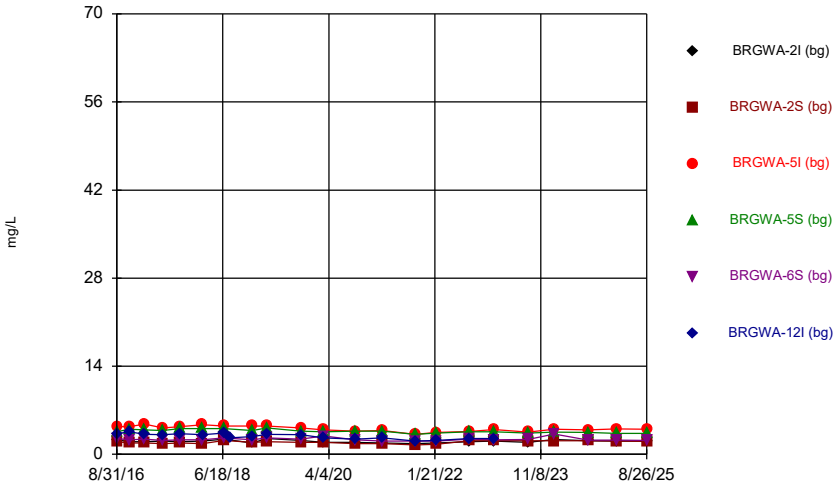
Time Series



Constituent: Calcium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

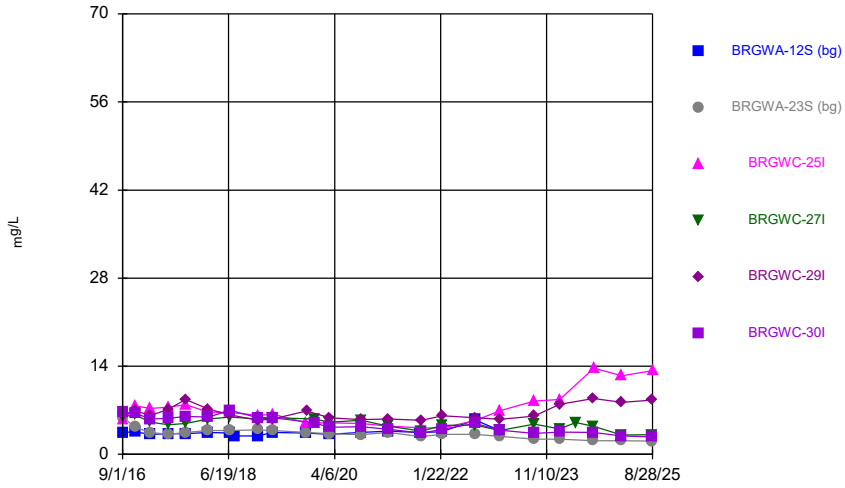


Constituent: Chloride Analysis Run 10/27/2025 1:37 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

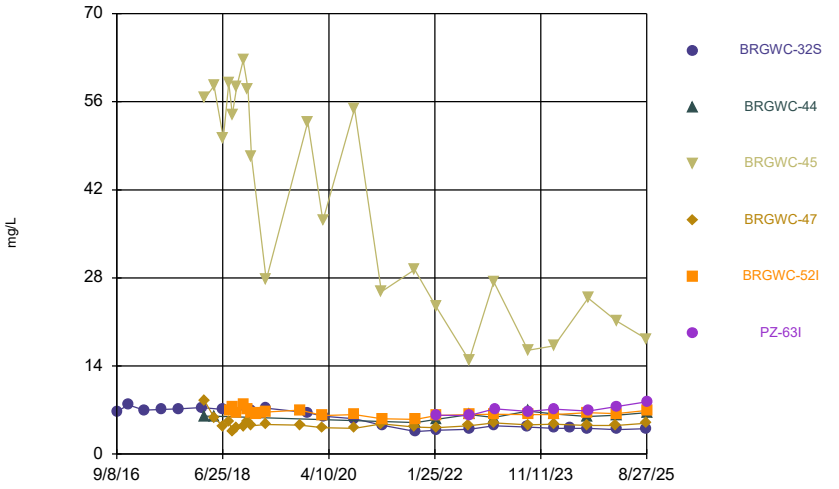


Constituent: Chloride Analysis Run 10/27/2025 1:37 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

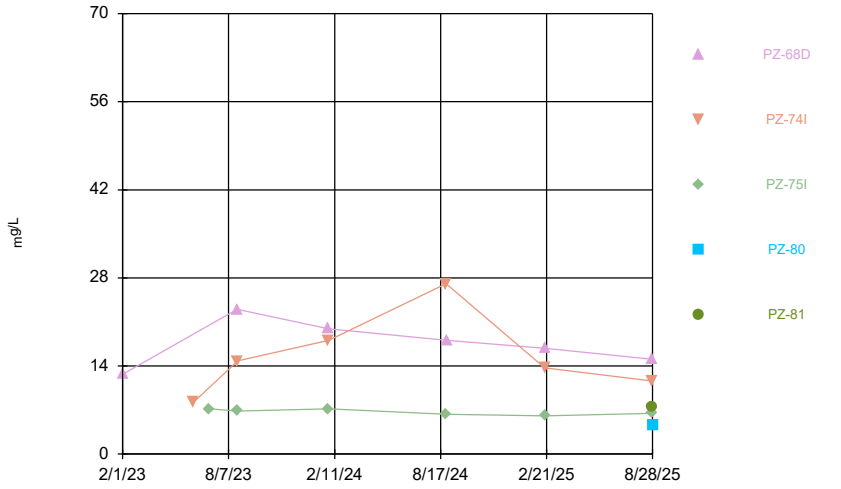


Constituent: Chloride Analysis Run 10/27/2025 1:37 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

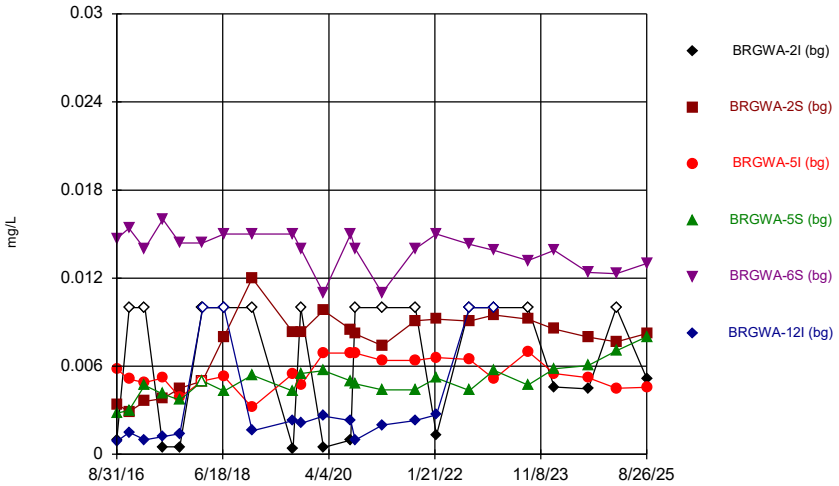


Constituent: Chloride Analysis Run 10/27/2025 1:37 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

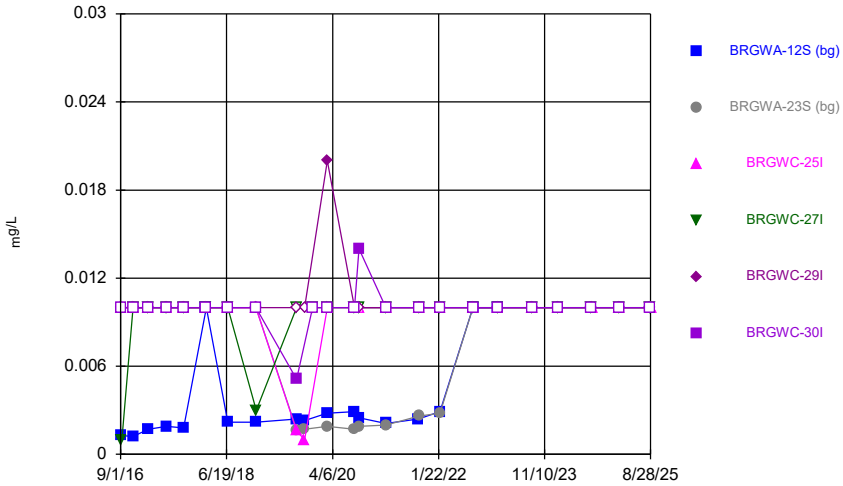
Time Series



Constituent: Chromium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

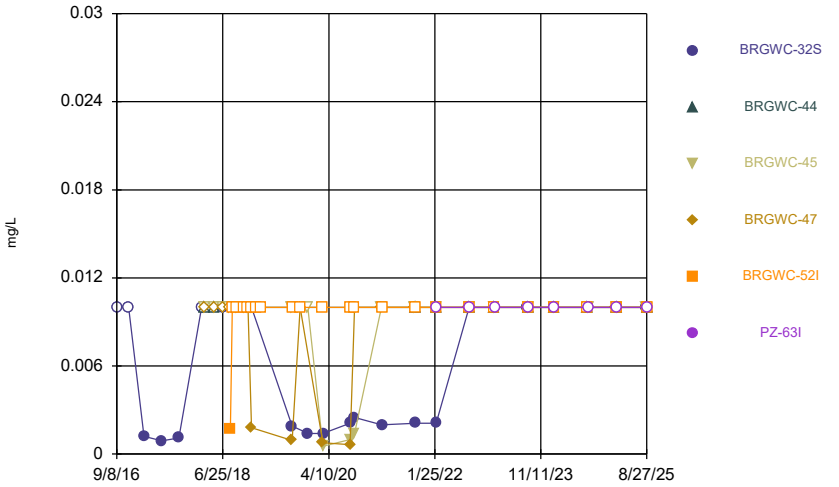
Time Series



Constituent: Chromium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

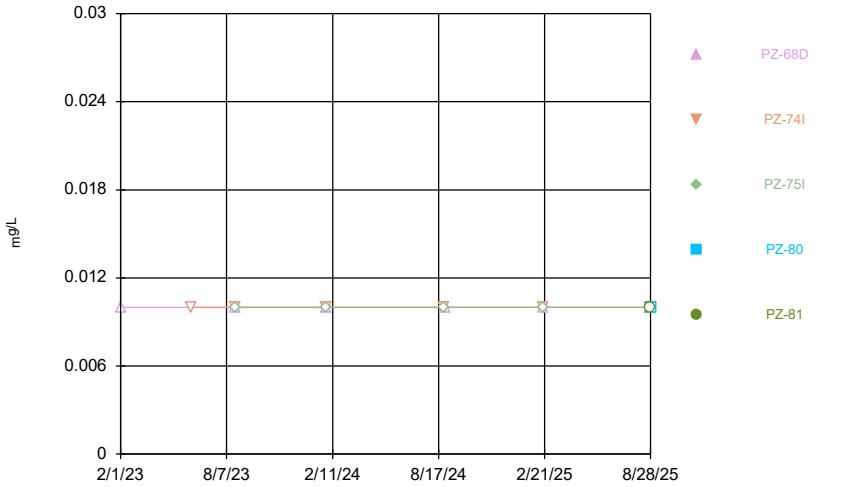
Time Series



Constituent: Chromium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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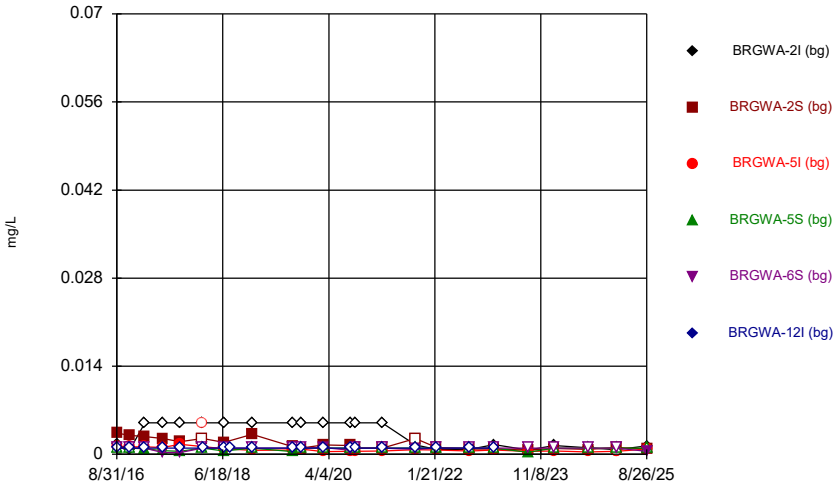
Time Series



Constituent: Chromium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

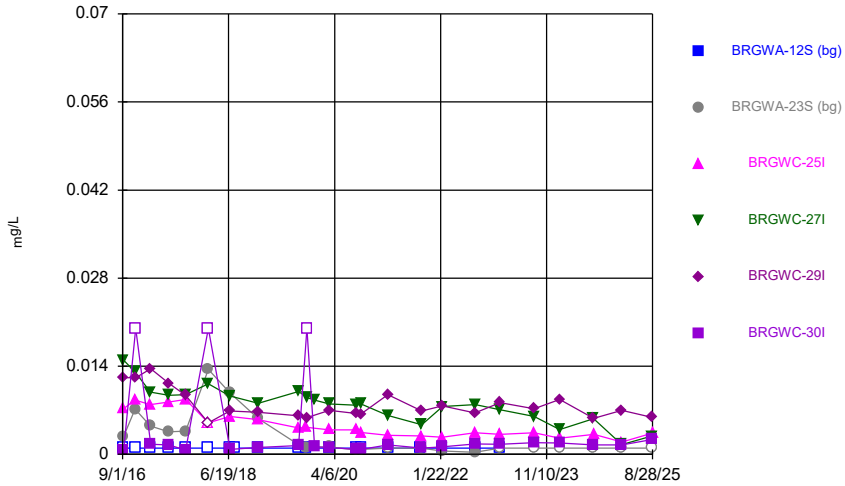
Time Series



Constituent: Cobalt Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

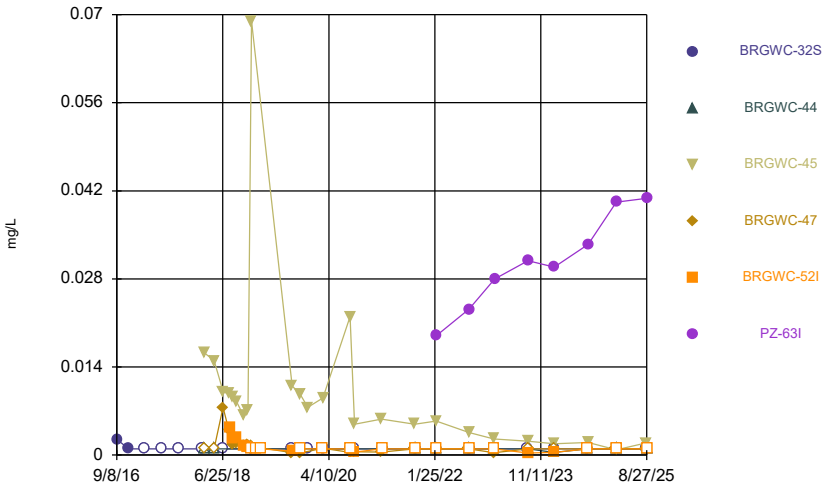
Time Series



Constituent: Cobalt Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

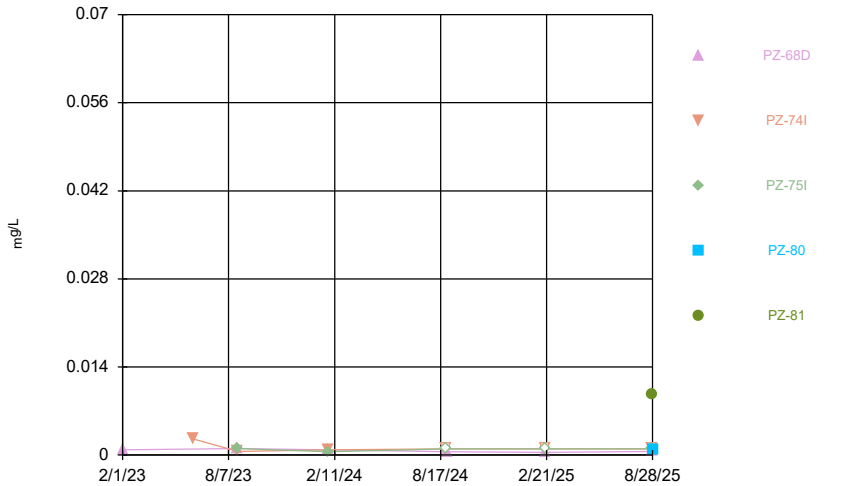
Time Series



Constituent: Cobalt Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

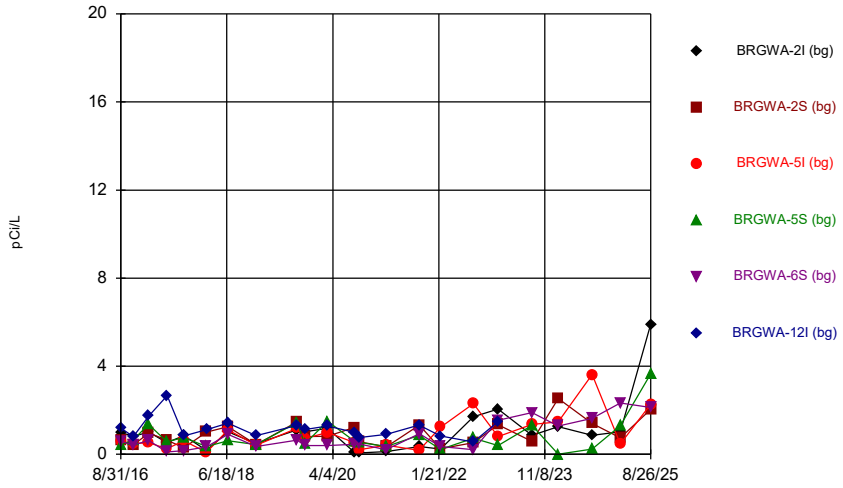
Time Series



Constituent: Cobalt Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

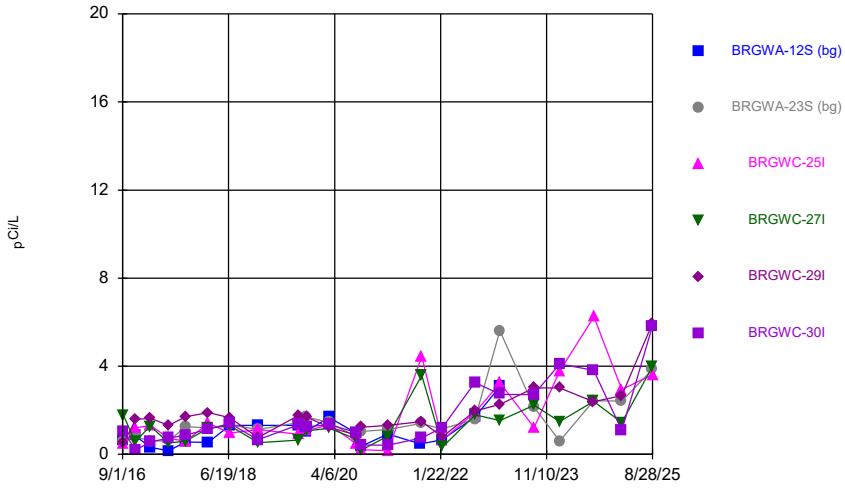
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

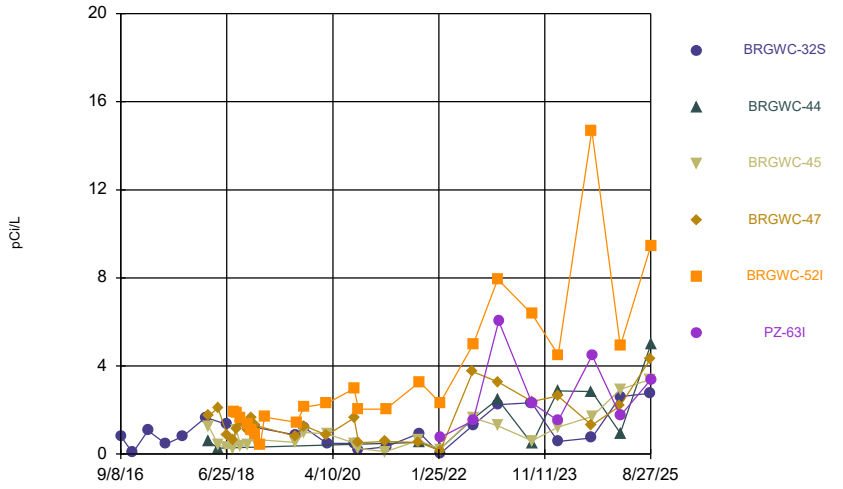
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

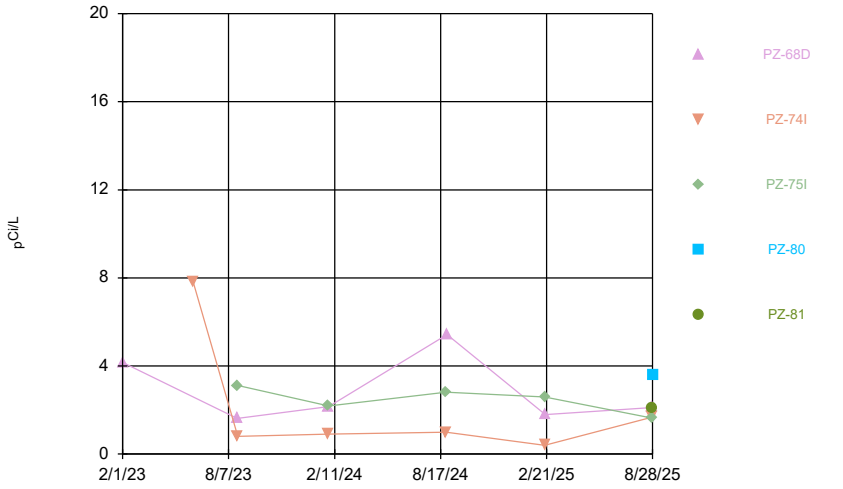
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

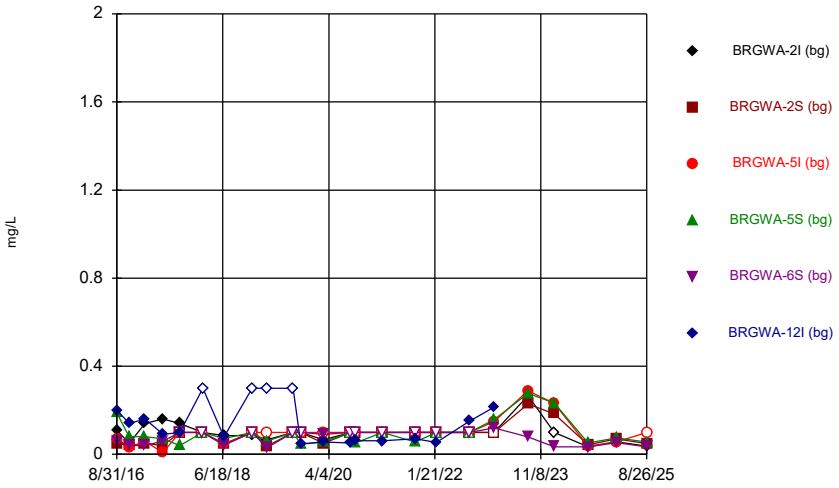
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

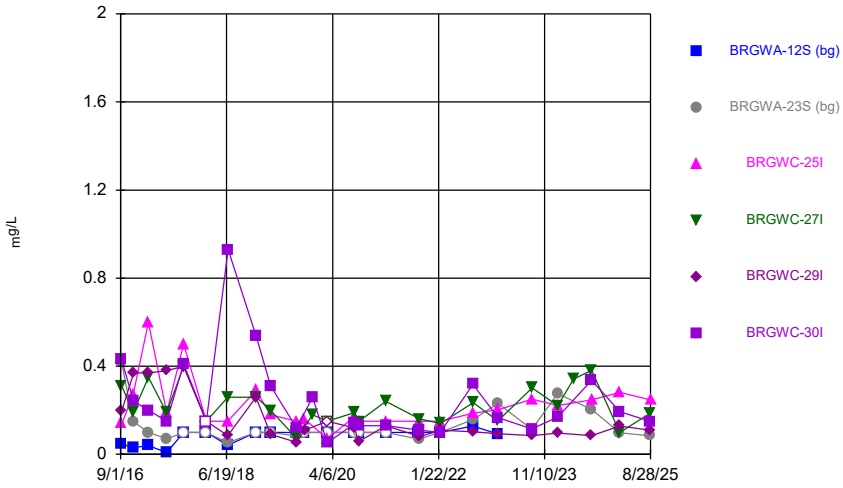
Time Series



Constituent: Fluoride Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

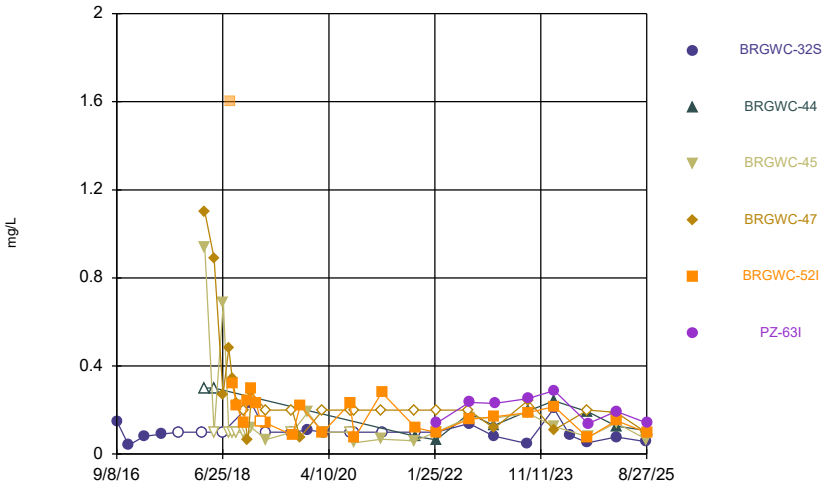
Time Series



Constituent: Fluoride Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
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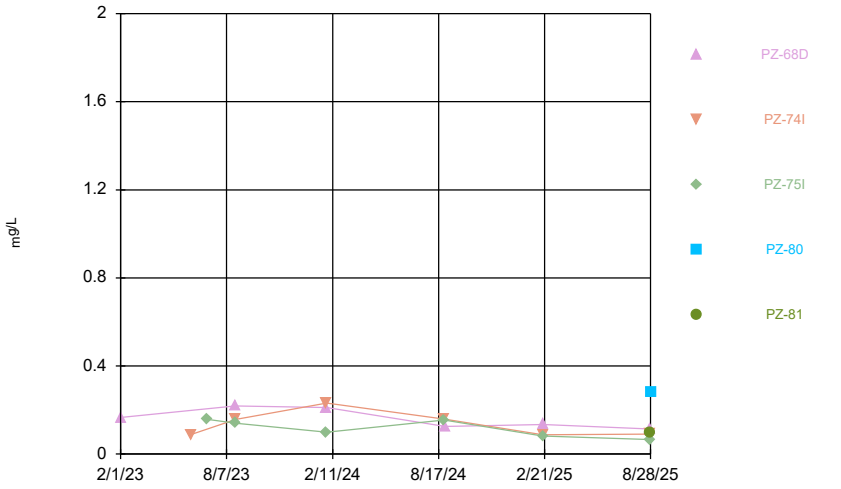
Time Series



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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

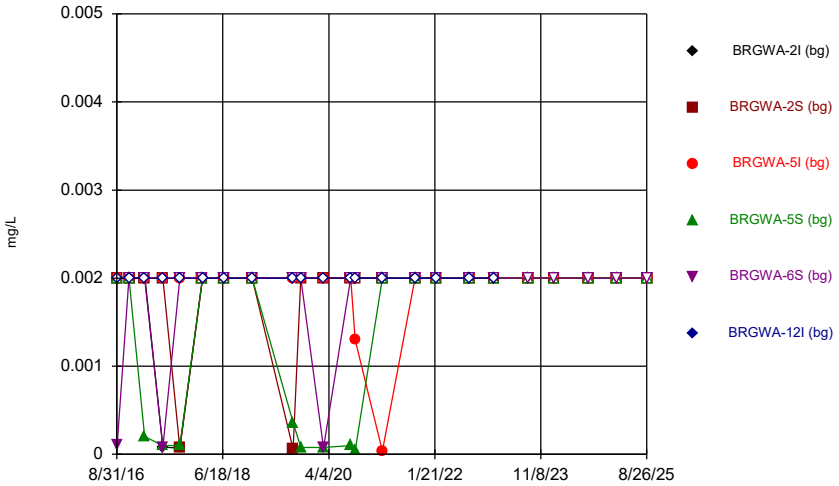
Time Series



Constituent: Fluoride Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

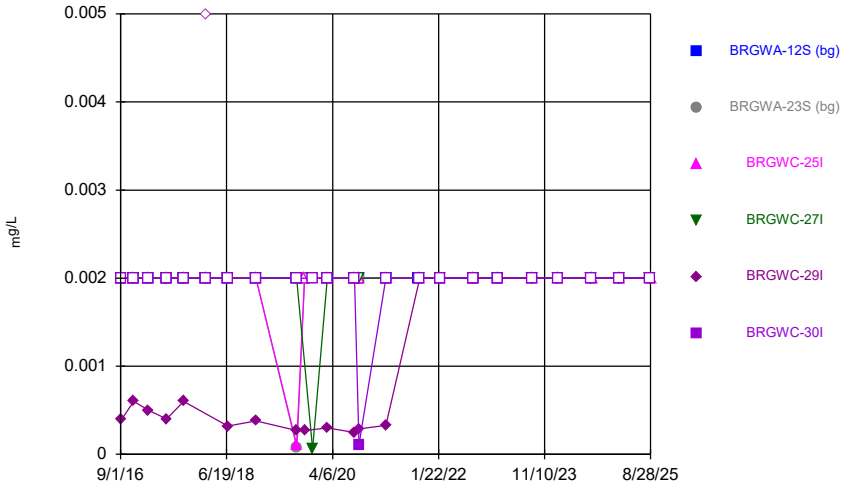
Time Series



Constituent: Lead Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

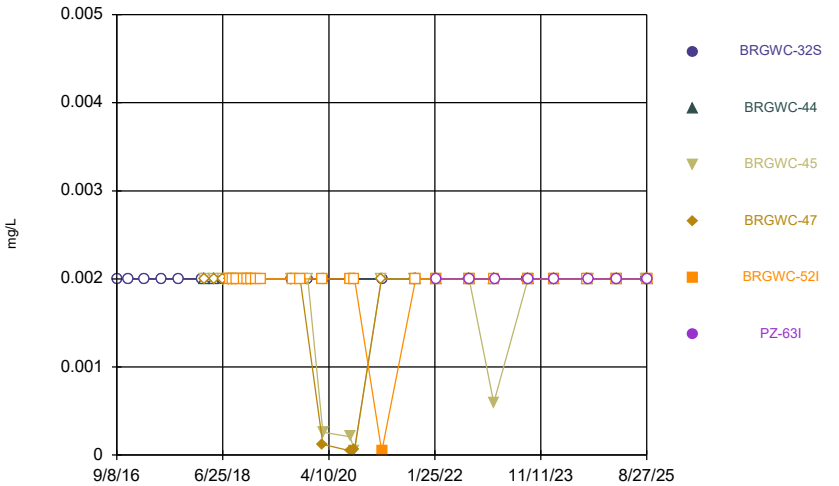
Time Series



Constituent: Lead Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

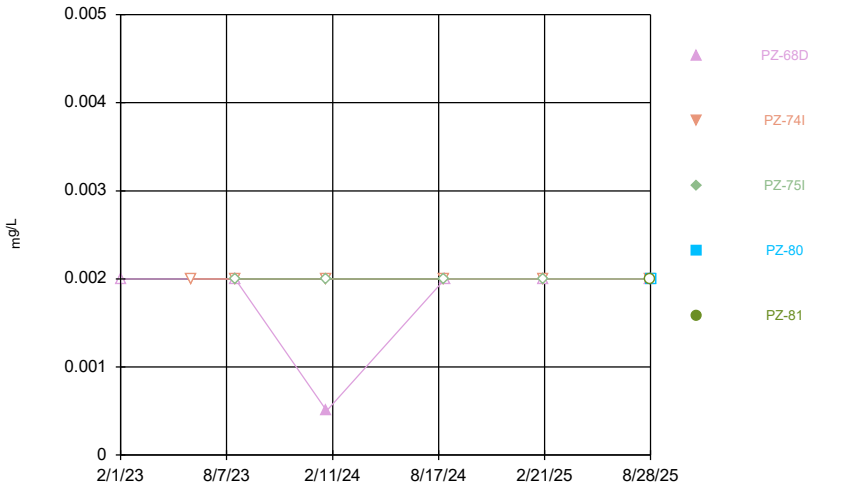
Time Series



Constituent: Lead Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

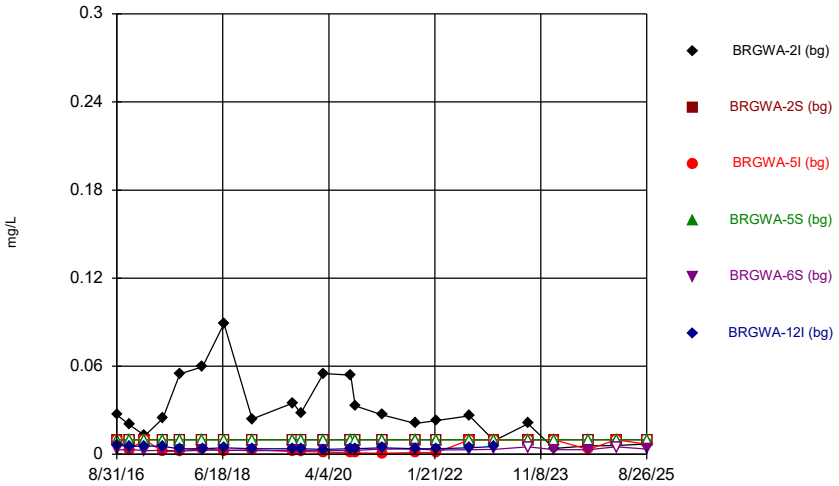
Time Series



Constituent: Lead Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

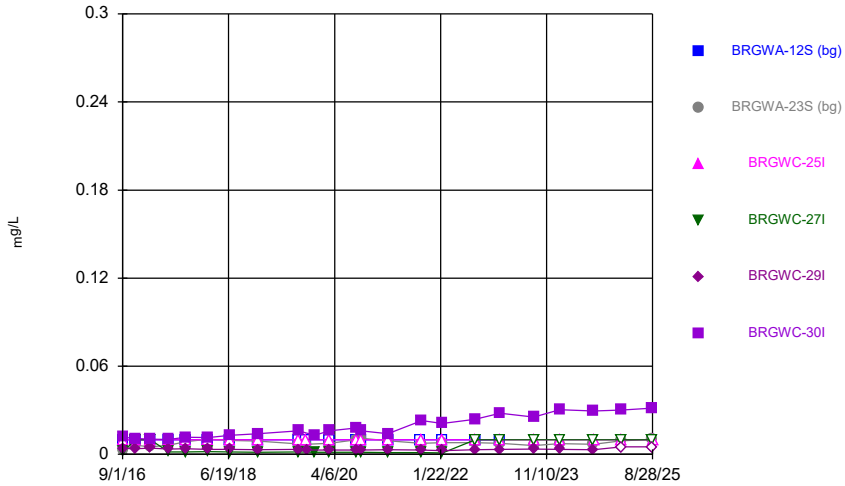
Time Series



Constituent: Lithium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

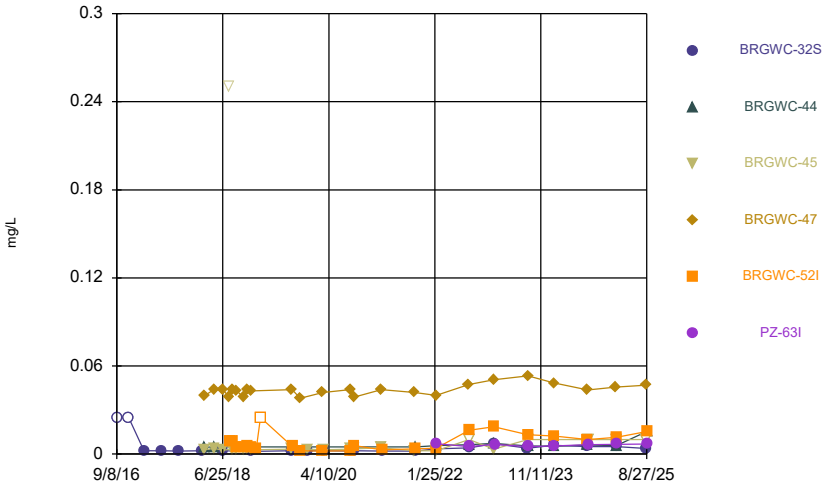
Time Series



Constituent: Lithium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

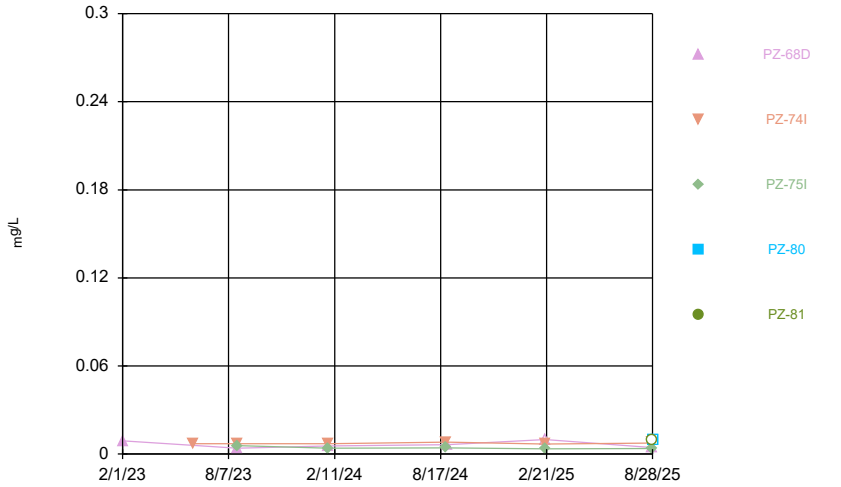
Time Series



Constituent: Lithium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

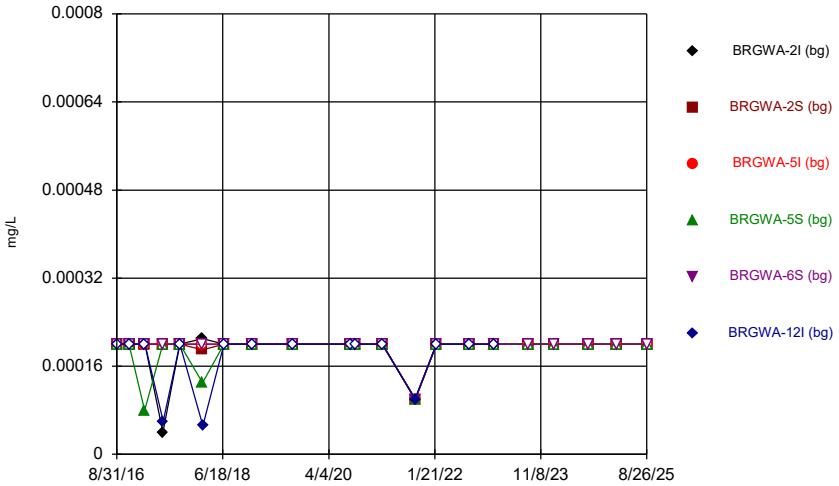
Time Series



Constituent: Lithium Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

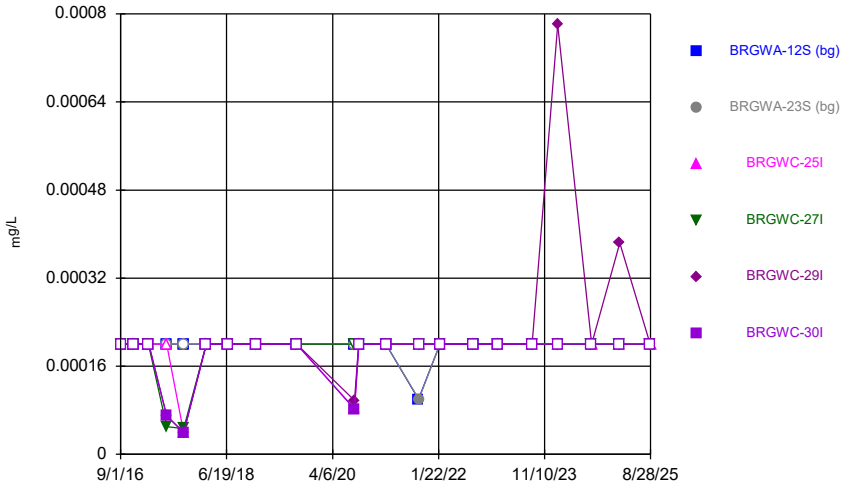
Time Series



Constituent: Mercury Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

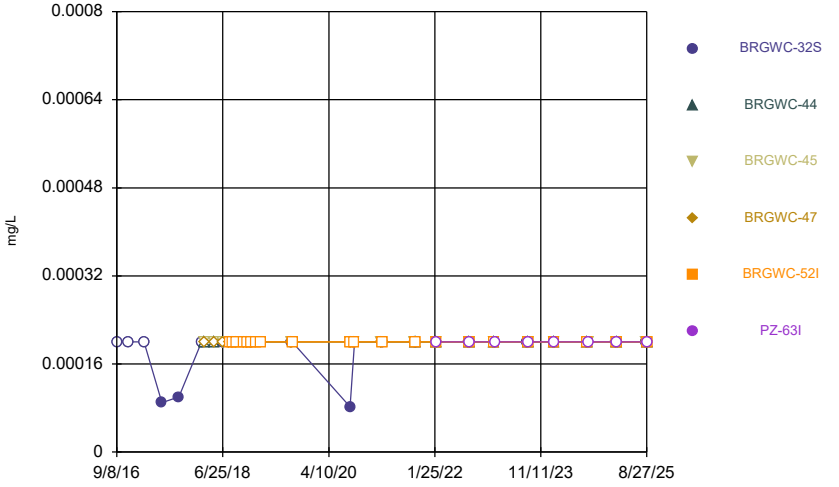
Time Series



Constituent: Mercury Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

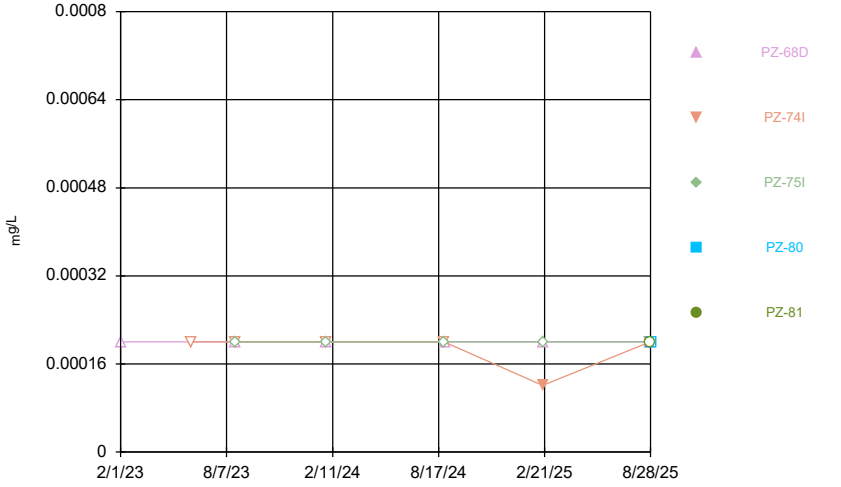
Time Series



Constituent: Mercury Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

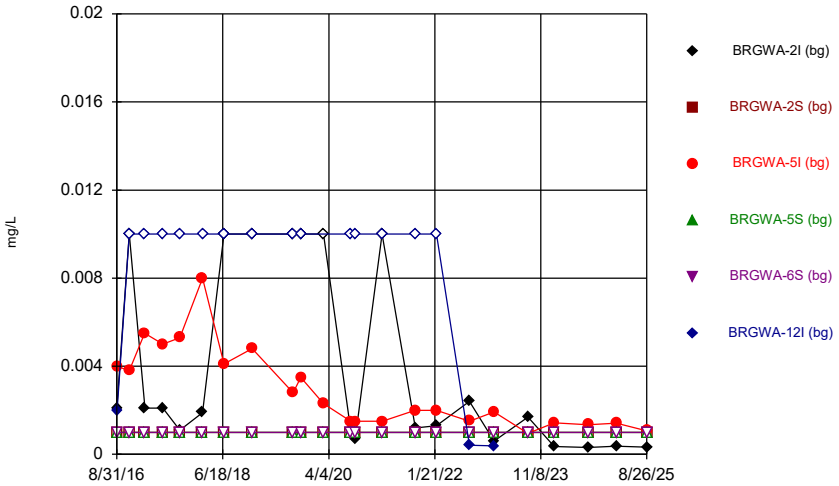
Time Series



Constituent: Mercury Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

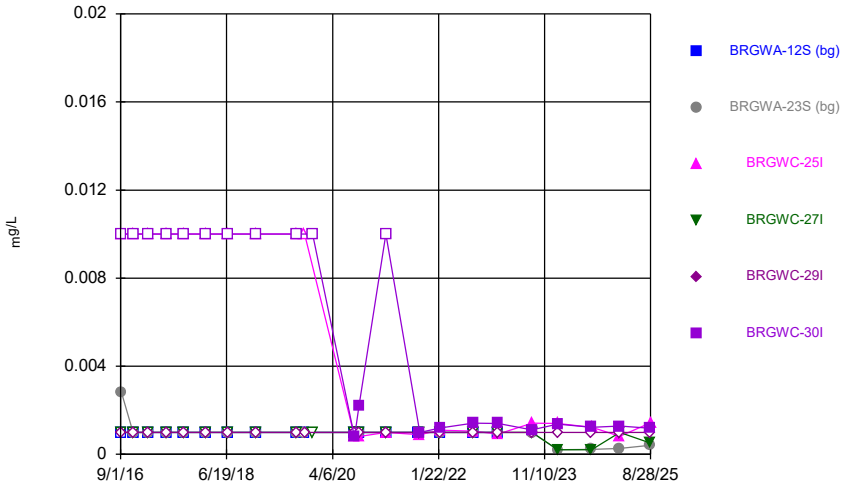
Time Series



Constituent: Molybdenum Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

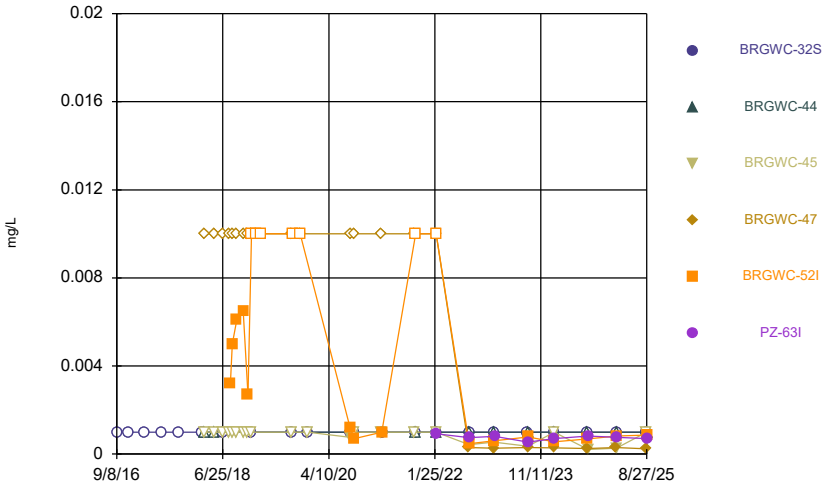
Time Series



Constituent: Molybdenum Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

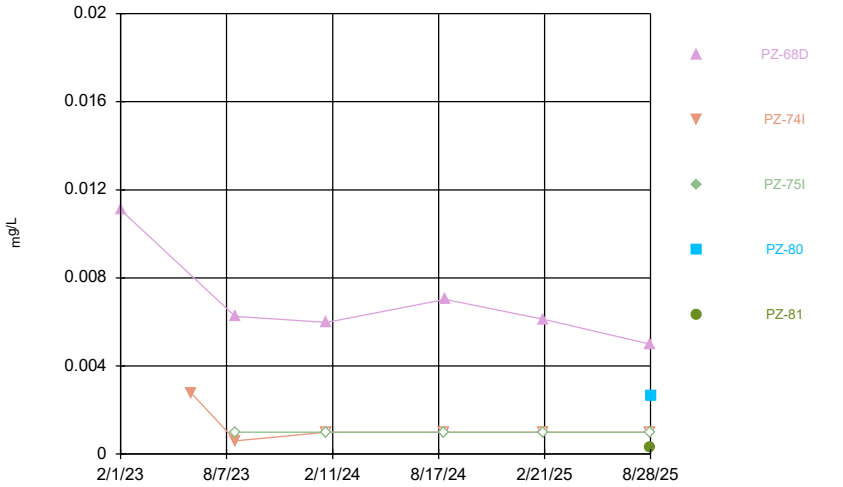
Time Series



Constituent: Molybdenum Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

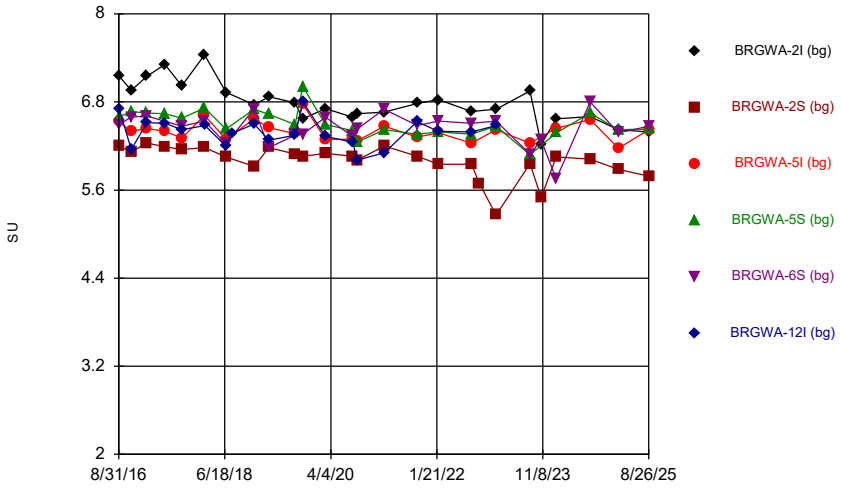
Time Series



Constituent: Molybdenum Analysis Run 10/27/2025 1:37 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

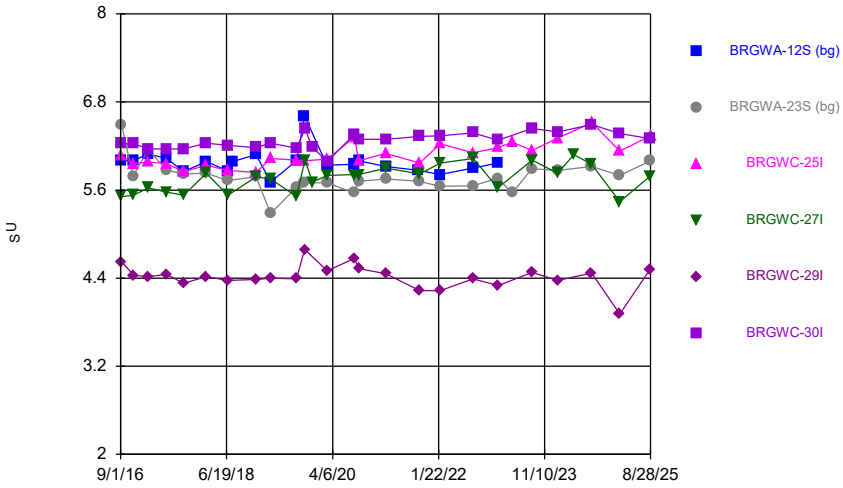


Constituent: pH, Field Analysis Run 10/27/2025 1:38 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

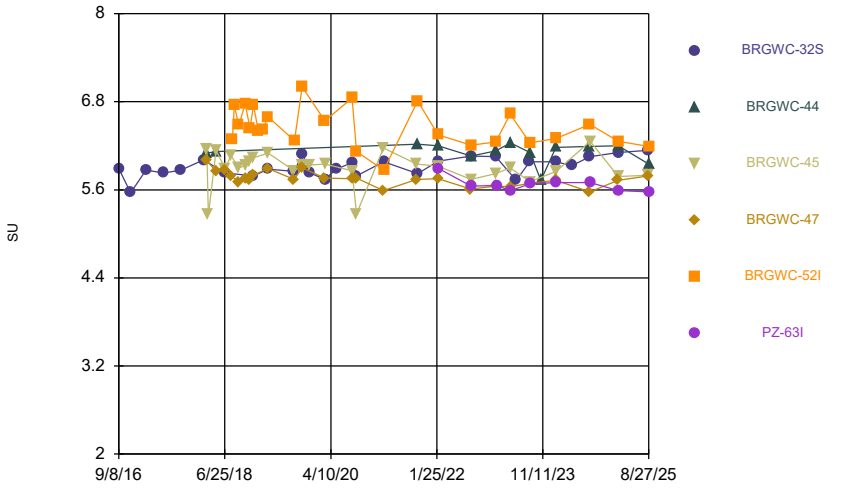


Constituent: pH, Field Analysis Run 10/27/2025 1:38 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

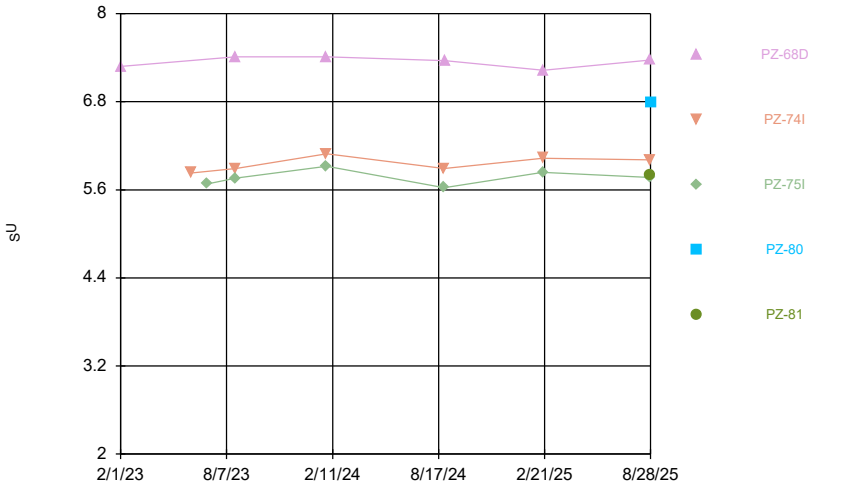


Constituent: pH, Field Analysis Run 10/27/2025 1:38 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Time Series

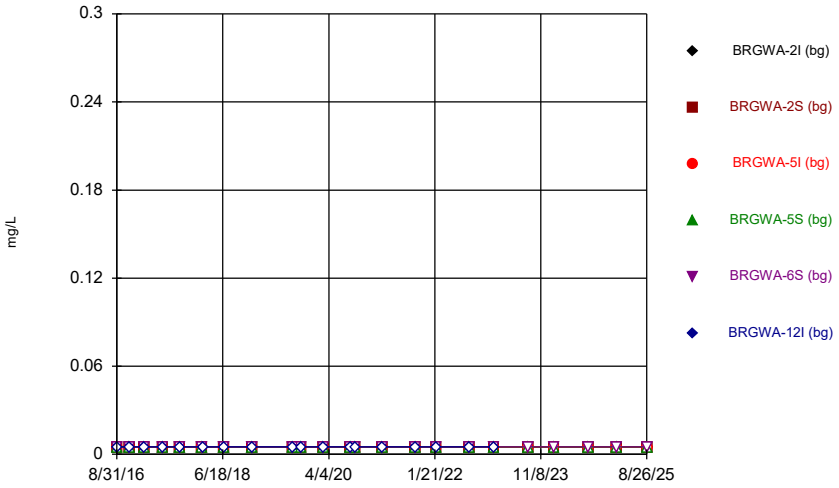


Constituent: pH, Field Analysis Run 10/27/2025 1:38 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

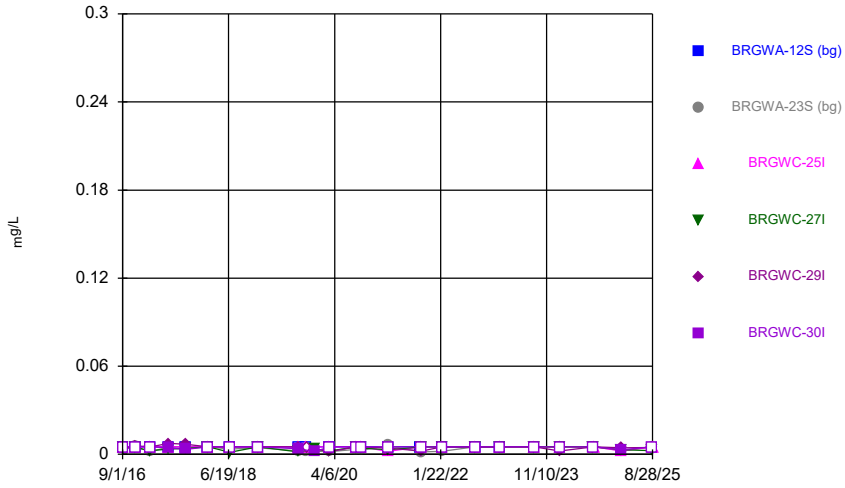
Time Series



Constituent: Selenium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

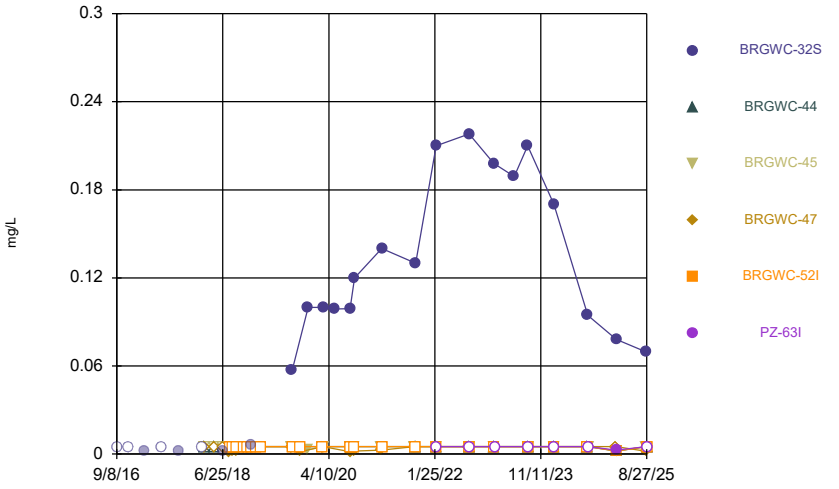
Time Series



Constituent: Selenium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

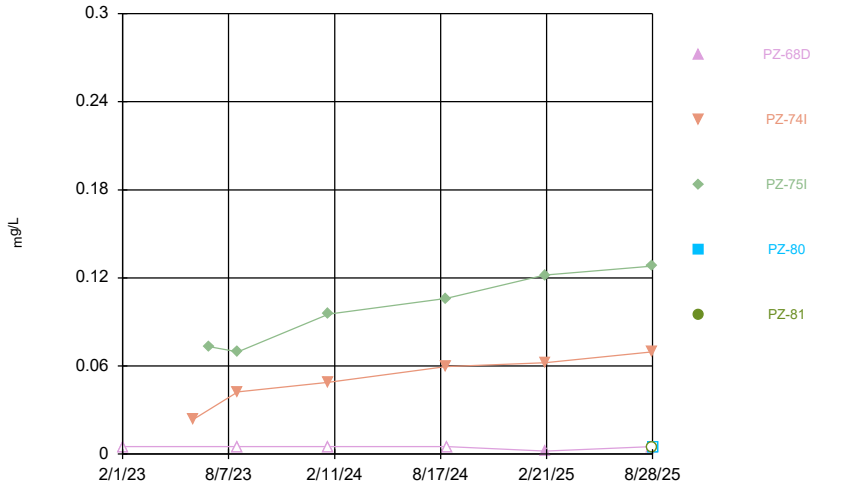
Time Series



Constituent: Selenium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

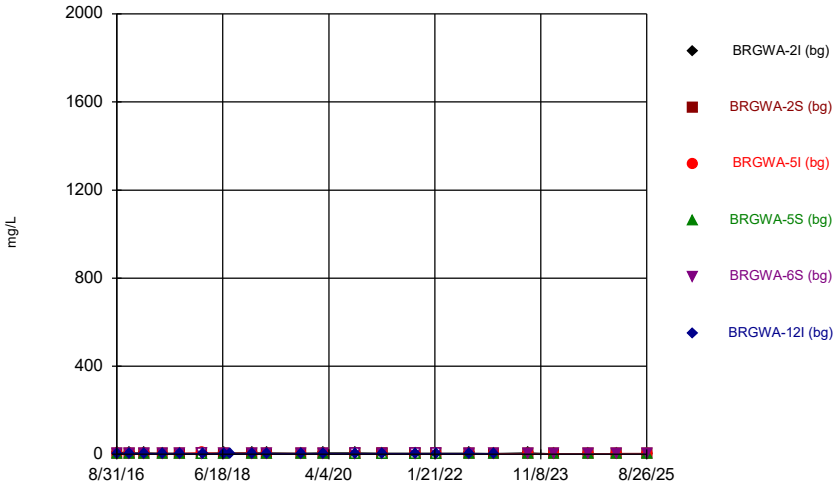
Time Series



Constituent: Selenium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

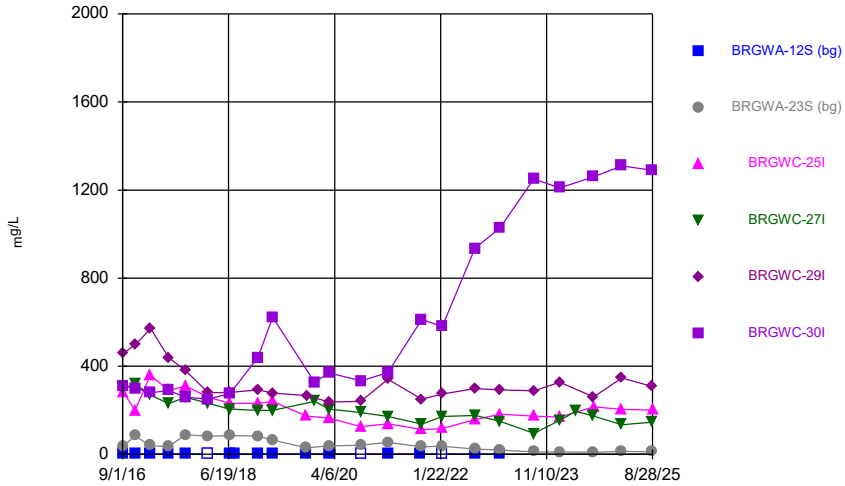
Time Series



Constituent: Sulfate Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

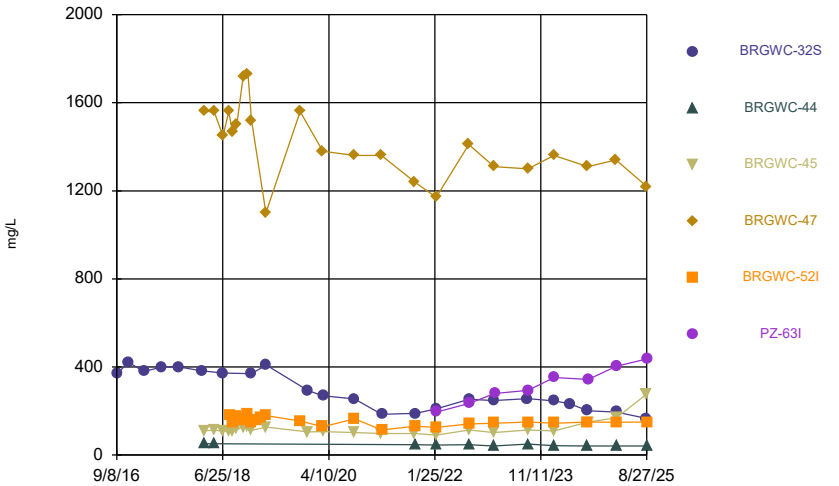
Time Series



Constituent: Sulfate Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

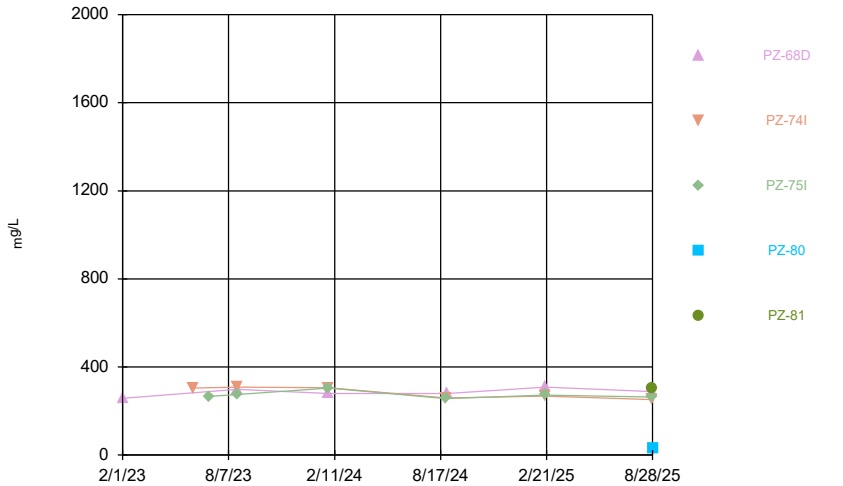
Time Series



Constituent: Sulfate Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

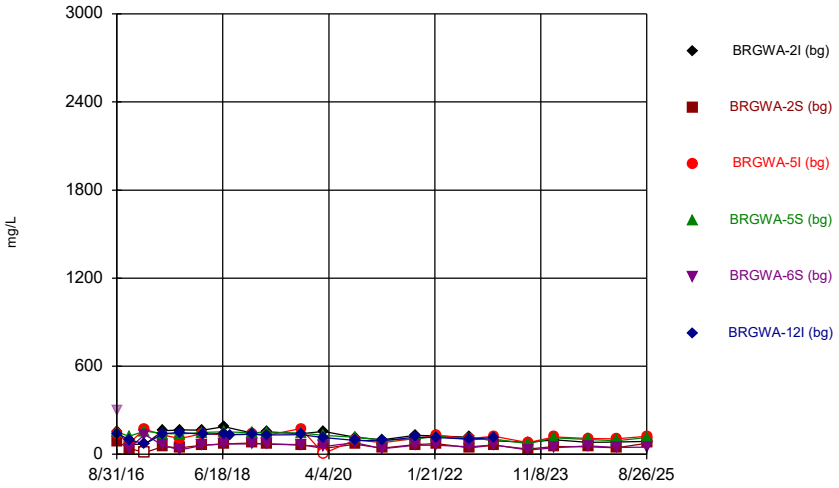
Time Series



Constituent: Sulfate Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

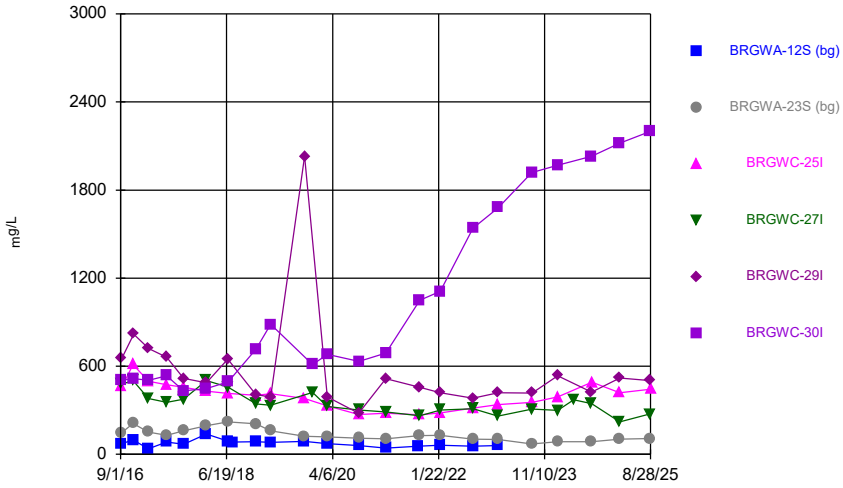
Time Series



Constituent: TDS Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

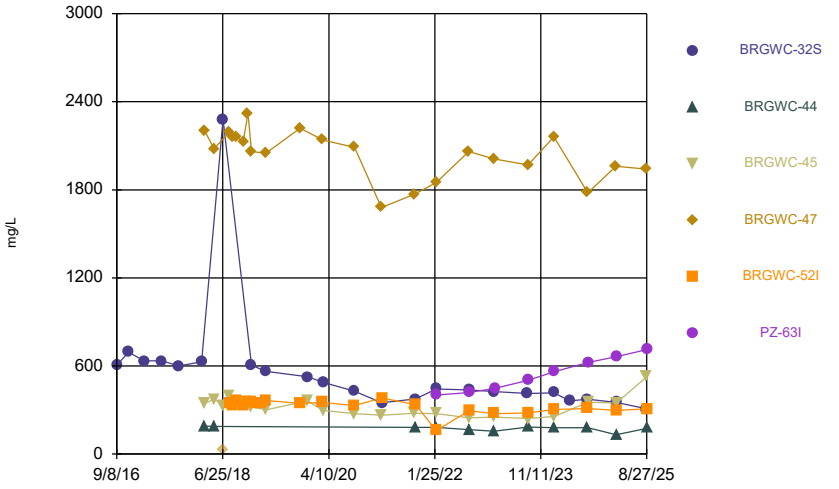
Time Series



Constituent: TDS Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

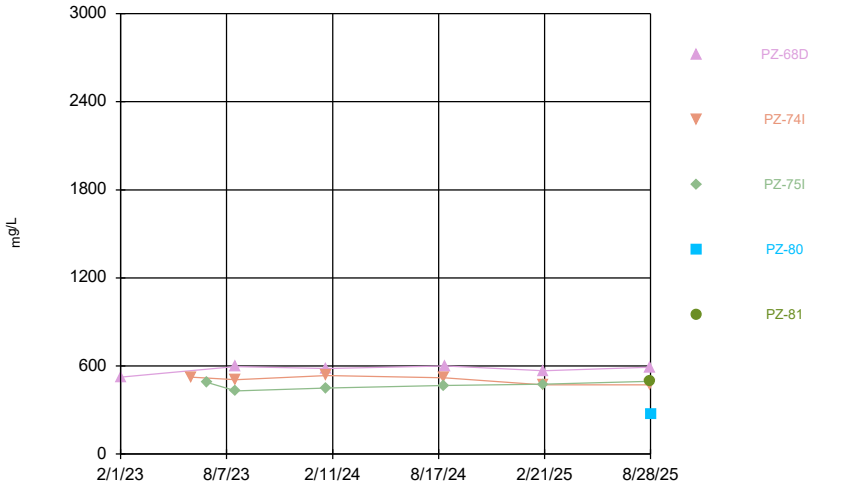
Time Series



Constituent: TDS Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

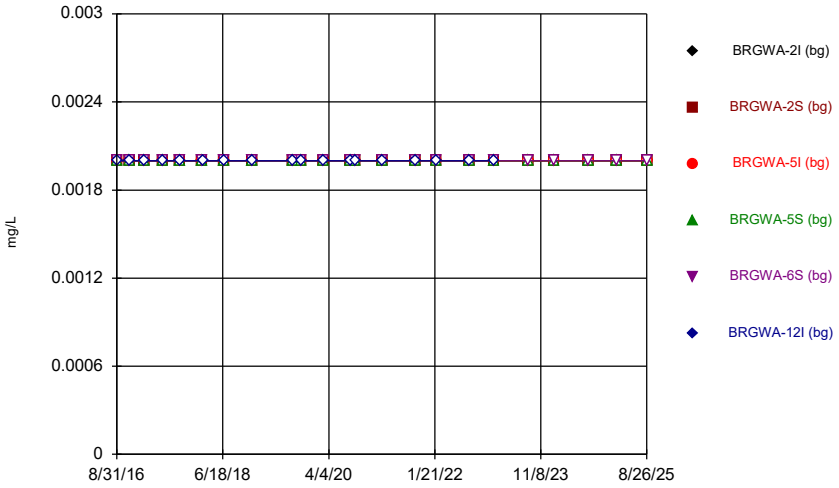
Time Series



Constituent: TDS Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

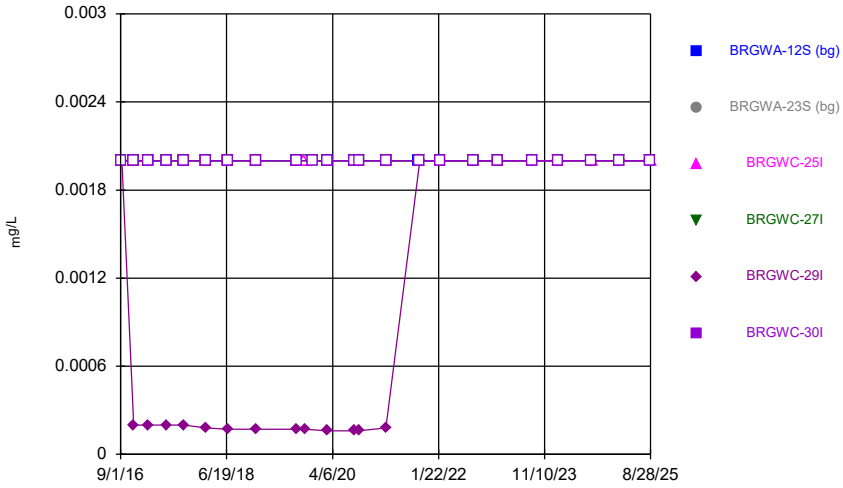
Time Series



Constituent: Thallium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

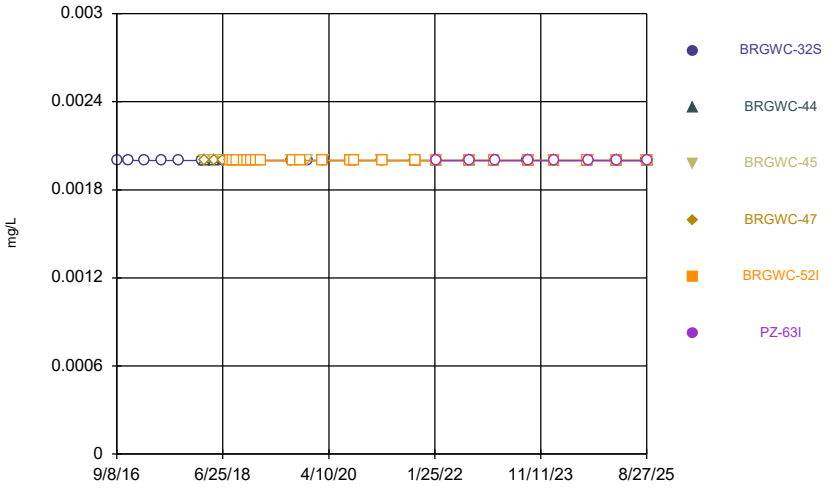
Time Series



Constituent: Thallium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

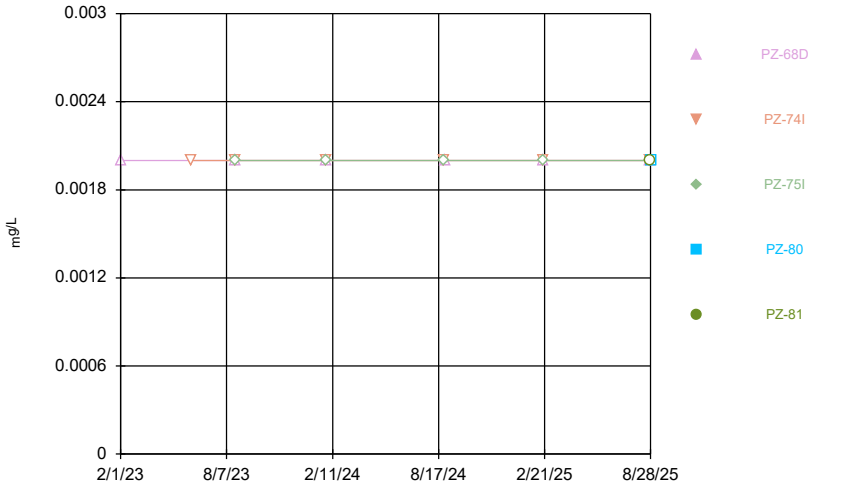
Time Series



Constituent: Thallium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 10/27/2025 1:38 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0009 (J)	<0.003	<0.003	<0.003		
9/1/2016					<0.003	0.0015 (J)
11/15/2016				<0.003	<0.003	
11/16/2016	<0.003	<0.003	<0.003			<0.003
2/20/2017			<0.003	<0.003	<0.003	
2/21/2017	<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						0.0014 (J)
9/26/2017	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003	
2/14/2018						<0.003
6/26/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/18/2018	<0.003	<0.003	<0.003	0.00087 (J)	<0.003	0.009
8/27/2019	<0.003	<0.003	<0.003	<0.003	<0.003	0.0072
10/15/2019	0.00047 (J)	<0.003	<0.003	<0.003	<0.003	0.012
3/3/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.0063
8/18/2020	0.00054 (J)	0.00042 (J)	<0.003	0.0016 (J)	<0.003	0.0067
9/15/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.01
3/1/2021	<0.003				<0.003	
3/2/2021		<0.003	<0.003	<0.003		0.0095
9/21/2021			<0.003	<0.003		0.017
9/22/2021	<0.003	<0.003			<0.003	
2/1/2022	<0.003	<0.003	<0.003	<0.003	<0.003	0.011
8/23/2022	<0.003	<0.003	<0.003	<0.003	<0.003	0.0241
1/24/2023	<0.003	<0.003	<0.003	<0.003	<0.003	0.0245
8/22/2023	<0.003	<0.003	<0.003	<0.003	<0.003	
1/30/2024	<0.003	<0.003	<0.003	<0.003	<0.003	
8/27/2024	<0.003	<0.003	<0.003	<0.003	<0.003	
2/18/2025	<0.003	<0.003	<0.003	<0.003	<0.003	
8/26/2025	<0.003	<0.003	<0.003	<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.003					
9/6/2016		<0.003				<0.003
9/8/2016			<0.003	<0.003	<0.003	
11/16/2016	0.0011 (J)					
11/17/2016		<0.003	<0.003			
11/18/2016				<0.003		
11/21/2016					<0.003	<0.003
2/21/2017	<0.003	<0.003	<0.003	<0.003		
2/22/2017					<0.003	<0.003
6/13/2017	0.0009 (J)	<0.003	<0.003	<0.003		
6/14/2017					0.0007 (J)	<0.003
9/26/2017	0.0032	<0.003				
9/27/2017			<0.003	<0.003	<0.003	<0.003
2/14/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
6/26/2018	<0.003	0.002 (J)	<0.003			
6/27/2018				<0.003	<0.003	
6/28/2018						<0.003
12/18/2018	<0.003	<0.003	<0.003		<0.003	<0.003
12/20/2018				<0.003		
8/27/2019	<0.003		<0.003			<0.003
8/28/2019				<0.003	<0.003	
8/29/2019		<0.003				
10/15/2019	<0.003	<0.003	<0.003			
10/16/2019					<0.003	
12/4/2019				<0.003		<0.003
3/3/2020	<0.003					
3/4/2020		<0.003	<0.003	<0.003	<0.003	
3/5/2020						<0.003
8/18/2020	<0.003	<0.003				
8/19/2020			<0.003	<0.003	<0.003	<0.003
9/15/2020	<0.003	0.00033 (J)	<0.003		<0.003	
9/16/2020				<0.003		<0.003
3/2/2021	<0.003	<0.003	<0.003			
3/3/2021				<0.003	<0.003	<0.003
9/21/2021	<0.003					
9/22/2021		<0.003				
9/28/2021			<0.003	<0.003	<0.003	<0.003
2/1/2022	<0.003	<0.003				
2/2/2022			<0.003			0.0013 (J)
2/3/2022					<0.003	
2/4/2022				<0.003		
8/23/2022	<0.003	<0.003	<0.003			
8/24/2022					<0.003	<0.003
8/25/2022				<0.003		
1/24/2023	<0.003	<0.003				
1/25/2023				<0.003		
1/26/2023			<0.003		<0.003	<0.003
8/22/2023		<0.003				<0.003
8/24/2023			<0.003	<0.003	<0.003	
1/30/2024		<0.003				<0.003
1/31/2024			<0.003	<0.003	<0.003	
8/27/2024		<0.003		<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.003
8/29/2024			<0.003			
2/18/2025		<0.003				
2/19/2025			<0.003	<0.003	<0.003	<0.003
8/26/2025				<0.003	<0.003	
8/27/2025		<0.003				<0.003
8/28/2025			<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.003					
11/21/2016	<0.003					
2/22/2017	<0.003					
6/14/2017	<0.003					
9/27/2017	<0.003					
2/14/2018	<0.003					
3/6/2018		<0.003	<0.003	<0.003		
5/1/2018		<0.003	<0.003	<0.003		
6/27/2018	<0.003			<0.003		
6/28/2018			<0.003			
7/31/2018			<0.003			
8/1/2018				<0.003		
8/10/2018					<0.003	
8/23/2018			<0.003	<0.003	0.00085 (J)	
9/19/2018			<0.003	<0.003	<0.003	
10/29/2018			<0.003	<0.003	<0.003	
11/28/2018			<0.003	<0.003	<0.003	
12/19/2018	<0.003			<0.003		
12/20/2018			0.0024 (J)		<0.003	
1/17/2019					<0.003	
2/13/2019					<0.003	
8/27/2019	<0.003					
8/28/2019			0.00046 (J)	<0.003		
8/29/2019					<0.003	
10/16/2019				<0.003	<0.003	
12/3/2019			0.00088 (J)			
12/4/2019	<0.003					
3/4/2020				<0.003	0.00043 (J)	
3/5/2020	0.0014 (J)		0.0016 (J)			
8/19/2020	<0.003					
8/20/2020			0.0031	<0.003	<0.003	
9/16/2020	<0.003		0.0012 (J)	0.00035 (J)		
9/17/2020					<0.003	
3/2/2021			0.0014 (J)	<0.003		
3/4/2021	<0.003				0.00091 (J)	
9/23/2021			<0.003	<0.003		
9/28/2021	<0.003	<0.003			<0.003	
2/2/2022	<0.003	<0.003	<0.003	<0.003	<0.003	
2/4/2022						<0.003
8/23/2022				<0.003		
8/25/2022	<0.003	<0.003	<0.003		<0.003	<0.003
1/24/2023	<0.003					
1/25/2023		<0.003	<0.003		<0.003	
1/26/2023				<0.003		
1/30/2023						<0.003
8/22/2023	<0.003					
8/23/2023		<0.003				<0.003
8/24/2023			<0.003	<0.003	<0.003	
1/30/2024	<0.003	<0.003		<0.003		
2/1/2024			<0.003		<0.003	<0.003
8/27/2024		<0.003				
8/28/2024	<0.003			<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.003			<0.003
2/18/2025				<0.003		
2/19/2025	<0.003	<0.003	<0.003		<0.003	<0.003
8/26/2025	<0.003		<0.003	<0.003		
8/27/2025		<0.003			<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.00176 (J)				
6/6/2023		<0.003			
8/23/2023	<0.003				
8/24/2023		<0.003	<0.003		
2/1/2024	<0.003	<0.003	<0.003		
8/27/2024		<0.003	<0.003		
8/29/2024	<0.003				
2/18/2025		<0.003	<0.003		
2/19/2025	<0.003				
8/27/2025	<0.003	<0.003	<0.003		<0.003
8/28/2025				<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.005	<0.005	<0.005	<0.005		
9/1/2016					<0.005	<0.005
11/15/2016				<0.005	<0.005	
11/16/2016	<0.005	<0.005	<0.005			<0.005
2/20/2017			<0.005	<0.005	<0.005	
2/21/2017	<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						0.0009 (J)
9/26/2017	0.001 (J)	<0.005	0.0009 (J)	0.0007 (J)	0.0007 (J)	0.0012 (J)
2/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005	
2/14/2018						<0.005
6/26/2018	0.00062 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
12/18/2018	<0.005	0.00082 (J)	0.00097 (J)	0.0011 (J)	0.00092 (J)	<0.005
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/15/2019	0.0008 (J)	0.00063 (J)	0.00058 (J)	0.00039 (J)	<0.005	0.00088 (J)
3/3/2020	0.0027 (J)	0.00098 (J)	0.0024 (J)	0.0027 (J)	0.0018 (J)	0.0023 (J)
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/1/2021	<0.005				<0.005	
3/2/2021		<0.005	<0.005	<0.005		<0.005
9/21/2021			<0.005	<0.005		<0.005
9/22/2021	<0.005	<0.005			<0.005	
2/1/2022	0.0012 (J)	<0.005	0.0013 (J)	0.0012 (J)	<0.005	0.0017 (J)
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	0.0021 (J)	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005	<0.005	
1/30/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
8/27/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
2/18/2025	<0.005	<0.005	<0.005	<0.005	<0.005	
8/26/2025	<0.005	<0.005	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.005					
9/6/2016		<0.005				<0.005
9/8/2016			<0.005	<0.005	<0.005	
11/16/2016	<0.005					
11/17/2016		<0.005	<0.005			
11/18/2016				<0.005		
11/21/2016					0.0019 (J)	<0.005
2/21/2017	<0.005	<0.005	<0.005	<0.005		
2/22/2017					<0.005	<0.005
6/13/2017	<0.005	0.0008 (J)	0.0006 (J)	0.0009 (J)		
6/14/2017					0.002 (J)	<0.005
9/26/2017	0.0006 (J)	0.0012 (J)				
9/27/2017			<0.005	0.0007 (J)	0.0016 (J)	<0.005
2/14/2018	<0.005	0.0007 (J)	<0.005	<0.005	<0.005	<0.005
6/26/2018	<0.005	0.00062 (J)	0.00072 (J)			
6/27/2018				<0.005	<0.005	
6/28/2018						0.00073 (J)
12/18/2018	<0.005	<0.005	0.00091 (J)		<0.005	<0.005
12/20/2018				<0.005		
8/27/2019	<0.005		<0.005			<0.005
8/28/2019				0.0014 (J)	0.00051 (J)	
8/29/2019		<0.005				
10/15/2019	0.00046 (J)	0.00075 (J)	0.00052 (J)			
10/16/2019					0.00065 (J)	
12/4/2019				0.0011 (J)		0.00056 (J)
3/3/2020	0.0015 (J)					
3/4/2020		<0.005	<0.005	<0.005	0.00044 (J)	
3/5/2020						<0.005
8/18/2020	<0.005	<0.005				
8/19/2020			<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005		<0.005	
9/16/2020				<0.005		<0.005
3/2/2021	<0.005	<0.005	<0.005			
3/3/2021				<0.005	0.0015 (J)	<0.005
9/21/2021	<0.005					
9/22/2021		<0.005				
9/28/2021			<0.005	<0.005	<0.005	<0.005
2/1/2022	<0.005	0.0018 (J)				
2/2/2022			<0.005			<0.005
2/3/2022					<0.005	
2/4/2022				<0.005		
8/23/2022	<0.005	<0.005	<0.005			
8/24/2022					<0.005	0.00283 (J)
8/25/2022				<0.005		
1/24/2023	<0.005	<0.005				
1/25/2023				<0.005		
1/26/2023			<0.005		<0.005	0.00208 (J)
8/22/2023		<0.005				<0.005
8/24/2023			<0.005	<0.005	<0.005	
1/30/2024		<0.005				0.002 (J)
1/31/2024			<0.005	<0.005	<0.005	
8/27/2024		<0.005		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.005
8/29/2024			<0.005			
2/18/2025		<0.005				
2/19/2025			<0.005	<0.005	<0.005	<0.005
8/26/2025				<0.005	0.00273 (J)	
8/27/2025		<0.005				0.00408 (J)
8/28/2025			<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.005					
11/21/2016	<0.005					
2/22/2017	<0.005					
6/14/2017	<0.005					
9/27/2017	<0.005					
2/14/2018	<0.005					
3/6/2018		0.00082 (J)	0.0018 (J)	0.0025 (J)		
5/1/2018		<0.005	0.0021 (J)	0.0016 (J)		
6/27/2018	<0.005			0.0016 (J)		
6/28/2018			0.0017 (J)			
7/31/2018			<0.005			
8/1/2018				0.0028 (J)		
8/10/2018					<0.005	
8/23/2018			0.00075 (J)	<0.005	<0.005	
9/19/2018			<0.005	<0.005	0.0013 (J)	
10/29/2018			<0.005	0.0012 (J)	0.0038 (J)	
11/28/2018			0.00096 (J)	0.0019 (J)	0.0016 (J)	
12/19/2018	<0.005			0.00075 (J)		
12/20/2018			<0.005		0.0032 (J)	
1/17/2019					0.0032 (J)	
2/13/2019					<0.005	
8/27/2019	<0.005					
8/28/2019			0.00058 (J)	0.0018 (J)		
8/29/2019					0.00067 (J)	
10/16/2019				<0.005	0.0026 (J)	
12/3/2019			0.0007 (J)			
12/4/2019	0.00053 (J)					
3/4/2020				0.00049 (J)	0.0047 (J)	
3/5/2020	<0.005		<0.005			
8/19/2020	<0.005					
8/20/2020			<0.005	0.00089 (J)	0.0031 (J)	
9/16/2020	<0.005		<0.005	<0.005		
9/17/2020					<0.005	
3/2/2021			<0.005	<0.005		
3/4/2021	<0.005				0.003 (J)	
9/23/2021			<0.005	0.002 (J)		
9/28/2021	<0.005	<0.005			<0.005	
2/2/2022	<0.005	0.004 (J)	<0.005	0.0056	<0.005	
2/4/2022						<0.005
8/23/2022				0.00228 (J)		
8/25/2022	<0.005	<0.005	<0.005		<0.005	<0.005
1/24/2023	<0.005					
1/25/2023		0.00221 (J)	0.00225 (J)		<0.005	
1/26/2023				0.0024 (J)		
1/30/2023						<0.005
8/22/2023	<0.005					
8/23/2023		<0.005				<0.005
8/24/2023			<0.005	0.0038 (J)	<0.005	
1/30/2024	<0.005	<0.005		<0.005		
2/1/2024			<0.005		<0.005	<0.005
8/27/2024		<0.005				
8/28/2024	<0.005			<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.005			<0.005
2/18/2025				<0.005		
2/19/2025	<0.005	<0.005	<0.005		<0.005	<0.005
8/26/2025	<0.005		<0.005	<0.005		
8/27/2025		<0.005			<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.0058				
6/6/2023		<0.005			
8/23/2023	0.00342 (J)				
8/24/2023		<0.005	<0.005		
2/1/2024	<0.005	<0.005	<0.005		
8/27/2024		<0.005	<0.005		
8/29/2024	<0.005				
2/18/2025		<0.005	<0.005		
2/19/2025	<0.005				
8/27/2025	0.00211 (J)	<0.005	<0.005		0.00213 (J)
8/28/2025				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0239	0.0099 (J)	0.0273	0.0495		
9/1/2016					0.0142	0.0454
11/15/2016				0.0512	0.0126	
11/16/2016	0.0147	0.0102	0.0365			0.0623
2/20/2017			0.0336	0.0586	0.0142	
2/21/2017	0.0109	0.0094 (J)				0.0644
6/12/2017	0.0094 (J)		0.0322	0.0567	0.0134	
6/13/2017		0.0094 (J)				
6/14/2017						0.0726
9/26/2017	0.0156	0.0096 (J)	0.0364	0.0586	0.0133	0.0765
2/13/2018	0.0134	0.0102	0.054	0.054	0.0145	
2/14/2018						0.0786
6/26/2018	0.014	0.0093 (J)	0.032	0.063	0.014	0.063
12/18/2018	0.0076 (J)	0.01	0.038	0.045	0.013	0.067
8/27/2019	0.012	0.0095 (J)	0.028	0.056	0.013	0.058
10/15/2019	0.013	0.0091 (J)	0.032	0.049	0.013	0.06
3/3/2020	0.017	0.011	0.028	0.051	0.019	0.076
8/18/2020	0.01 (J)	0.01	0.022	0.04	0.014	0.053
9/15/2020	0.0083 (J)	0.0094 (J)	0.022	0.038	0.013	0.059
3/1/2021	0.0074				0.016	
3/2/2021		0.0094	0.023	0.037		0.053
9/21/2021			0.025	0.038		0.074
9/22/2021	0.0075	0.0097			0.014	
2/1/2022	0.0066	0.01	0.028	0.04	0.014	0.057
8/23/2022	0.00954	0.012	0.0241	0.0379	0.014	0.0602
1/24/2023	0.00453	0.0118	0.0303	0.0394	0.0132	0.0512
8/22/2023	0.0068	0.0135	0.0245	0.0352	0.0143	
1/30/2024	0.0124	0.0137	0.0296	0.0396	0.0151	
8/27/2024	0.00493	0.0132	0.0314	0.0362	0.0159	
2/18/2025	0.00462	0.0131	0.032	0.0334	0.0142	
8/26/2025	0.00508	0.0133	0.0282	0.0335	0.0155	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.0528					
9/6/2016		0.0624				0.0206
9/8/2016			0.0378	0.0184	0.0199	
11/16/2016	0.0509					
11/17/2016		0.109	0.0448			
11/18/2016				0.0173		
11/21/2016					0.0221 (J)	0.0237 (J)
2/21/2017	0.0531	0.095	0.0447	0.015		
2/22/2017					0.0179	0.0219
6/13/2017	0.0543	0.0861	0.0351	0.0143		
6/14/2017					0.0157	0.0197
9/26/2017	0.0547	0.104				
9/27/2017			0.0383	0.017	0.0165	0.0213
2/14/2018	0.0603	0.129	0.0327	0.0166	0.0163	0.0236
6/26/2018	0.059	0.13	0.031			
6/27/2018				0.015	0.017	
6/28/2018						0.023
12/18/2018	0.056	0.13	0.03		0.017	0.029
12/20/2018				0.015		
8/27/2019	0.057		0.027			0.027
8/28/2019				0.019	0.02	
8/29/2019		0.076				
10/15/2019	0.053	0.069	0.027			
10/16/2019					0.019	
12/4/2019				0.016		0.021
3/3/2020	0.06					
3/4/2020		0.087	0.026	0.015	0.018	
3/5/2020						0.025
8/18/2020	0.058	0.067				
8/19/2020			0.027	0.016	0.019	0.026
9/15/2020	0.058	0.086	0.024		0.017	
9/16/2020				0.016		0.022
3/2/2021	0.063	0.097	0.026			
3/3/2021				0.016	0.021	0.028
9/21/2021	0.06					
9/22/2021		0.07				
9/28/2021			0.023	0.013	0.017	0.035
2/1/2022	0.064	0.08				
2/2/2022			0.023			0.031
2/3/2022					0.016	
2/4/2022				0.015		
8/23/2022	0.0607	0.0573	0.0259			
8/24/2022					0.0175	0.0389
8/25/2022				0.0161		
1/24/2023	0.0576	0.0468				
1/25/2023				0.0166		
1/26/2023			0.0293		0.018	0.0397
8/22/2023		0.0434				0.04
8/24/2023			0.0271	0.0151	0.0174	
1/30/2024		0.0431				0.0349
1/31/2024			0.0276	0.0155	0.0179	
8/27/2024		0.0432		0.0164	0.0163	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						0.0339
8/29/2024			0.0291			
2/18/2025		0.0528				
2/19/2025			0.0254	0.0193	0.0168	0.0328
8/26/2025				0.0255	0.0159	
8/27/2025		0.054				0.0343
8/28/2025			0.0292			

Time Series

Constituent: Barium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.0593					
11/21/2016	0.0532					
2/22/2017	0.0498					
6/14/2017	0.0421					
9/27/2017	0.0411					
2/14/2018	0.0417					
3/6/2018		0.0461	0.1	0.0519		
5/1/2018		0.052	0.084	0.049		
6/27/2018	0.038			0.046		
6/28/2018			0.067			
7/31/2018			0.087			
8/1/2018				0.043		
8/10/2018					0.038	
8/23/2018			0.084	0.038	0.03	
9/19/2018			0.086	0.036	0.03	
10/29/2018			0.098	0.041	0.025	
11/28/2018			0.11	0.039	0.017	
12/19/2018	0.036			0.04		
12/20/2018			0.093		0.013	
1/17/2019					0.017	
2/13/2019					0.025	
8/27/2019	0.032					
8/28/2019			0.11	0.035		
8/29/2019					0.017	
10/16/2019				0.032	0.015	
12/3/2019			0.099			
12/4/2019	0.028					
3/4/2020				0.038	0.022	
3/5/2020	0.026		0.078			
8/19/2020	0.025					
8/20/2020			0.083	0.035	0.017	
9/16/2020	0.024		0.085	0.028		
9/17/2020					0.02	
3/2/2021			0.061	0.036		
3/4/2021	0.024				0.019	
9/23/2021			0.064	0.031		
9/28/2021	0.02	0.049			0.013	
2/2/2022	0.023	0.052	0.063	0.028	0.013	
2/4/2022						0.037
8/23/2022				0.0285		
8/25/2022	0.0231	0.056	0.0574		0.0179	0.023
1/24/2023	0.0182					
1/25/2023		0.0498	0.0695		0.0249	
1/26/2023				0.0311		
1/30/2023						0.022
8/22/2023	0.0243					
8/23/2023		0.0555				0.0221
8/24/2023			0.0524	0.028	0.0415	
1/30/2024	0.0192	0.052		0.0278		
2/1/2024			0.0497		0.0414	0.0202
8/27/2024		0.0524				
8/28/2024	0.0163			0.0257	0.0345	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			0.0602			0.0206
2/18/2025				0.0266		
2/19/2025	0.0192	0.05	0.0629		0.039	0.0224
8/26/2025	0.0185		0.0676	0.028		
8/27/2025		0.0561			0.0557	0.021

Time Series

Constituent: Barium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.145				
6/6/2023		0.0586			
8/23/2023	0.107				
8/24/2023		0.0346	0.0513		
2/1/2024	0.0853	0.0245	0.0421		
8/27/2024		0.026	0.035		
8/29/2024	0.0796				
2/18/2025		0.0222	0.0299		
2/19/2025	0.0959				
8/27/2025	0.0959	0.0235	0.0297		0.039
8/28/2025				0.0137	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/1/2016					<0.0005	<0.0005
11/15/2016				<0.0005	<0.0005	
11/16/2016	<0.0005	<0.0005	<0.0005			<0.0005
2/20/2017			<0.0005	<0.0005	<0.0005	
2/21/2017	<0.0005	<0.0005				<0.0005
6/12/2017	<0.0005		<0.0005	<0.0005	<0.0005	
6/13/2017		<0.0005				
6/14/2017						<0.0005
9/26/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/13/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/14/2018						<0.0005
6/26/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10/15/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/3/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/18/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/1/2021	<0.0005				<0.0005	
3/2/2021		<0.0005	<0.0005	<0.0005		<0.0005
9/21/2021			<0.0005	<0.0005		<0.0005
9/22/2021	<0.0005	<0.0005			<0.0005	
2/1/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/23/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/22/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
1/30/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/27/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/18/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/26/2025	<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 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.0005					
9/6/2016		<0.0005				<0.0005
9/8/2016			<0.0005	0.0002 (J)	0.0011 (J)	
11/16/2016	<0.0005					
11/17/2016		<0.0005	<0.0005			
11/18/2016				0.0002 (J)		
11/21/2016					0.0012 (J)	<0.0005
2/21/2017	<0.0005	<0.0005	<0.0005	0.0002 (J)		
2/22/2017					0.0014 (J)	<0.0005
6/13/2017	<0.0005	<0.0005	<0.0005	0.0002 (J)		
6/14/2017					0.0012 (J)	<0.0005
9/26/2017	<0.0005	<0.0005				
9/27/2017			<0.0005	0.0001 (J)	0.001 (J)	<0.0005
2/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	<0.0005
6/26/2018	<0.0005	<0.0005	<0.0005			
6/27/2018				0.00014 (J)	0.0008 (J)	
6/28/2018						<0.0005
12/18/2018	<0.0005	<0.0005	<0.0005		0.00071 (J)	<0.0005
12/20/2018				0.00012 (J)		
8/27/2019	<0.0005		<0.0005			<0.0005
8/28/2019				0.00012 (J)	0.0008 (J)	
8/29/2019		<0.0005				
10/15/2019	<0.0005	<0.0005	<0.0005			
10/16/2019					0.00072 (J)	
10/17/2019				<0.0005		<0.0005
12/4/2019				0.00012 (J)		<0.0005
3/3/2020	<0.0005					
3/4/2020		<0.0005	<0.0005	0.00012 (J)	0.00073 (J)	
3/5/2020						<0.0005
8/18/2020	<0.0005	<0.0005				
8/19/2020			<0.0005	9.9E-05 (J)	0.00074 (J)	<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005		0.00071 (J)	
9/16/2020				0.00011 (J)		<0.0005
3/2/2021	<0.0005	<0.0005	<0.0005			
3/3/2021				7.1E-05 (J)	0.00094	<0.0005
9/21/2021	<0.0005					
9/22/2021		<0.0005				
9/28/2021			<0.0005	<0.0005	0.00079	<0.0005
2/1/2022	<0.0005	<0.0005				
2/2/2022			<0.0005			<0.0005
2/3/2022					0.00083	
2/4/2022				5.4E-05 (J)		
8/23/2022	<0.0005	<0.0005	<0.0005			
8/24/2022					0.000845	<0.0005
8/25/2022				<0.0005		
1/24/2023	<0.0005	<0.0005				
1/25/2023				<0.0005		
1/26/2023			<0.0005		0.00109	<0.0005
8/22/2023		<0.0005				<0.0005
8/24/2023			<0.0005	<0.0005	0.00113	
1/30/2024		<0.0005				<0.0005
1/31/2024			<0.0005	<0.0005	0.00114	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/27/2024		<0.0005		<0.0005	0.000892	
8/28/2024						<0.0005
8/29/2024			<0.0005			
2/18/2025		<0.0005				
2/19/2025			<0.0005	0.000201 (J)	0.001	<0.0005
8/26/2025				<0.0005	0.000999	
8/27/2025		<0.0005				<0.0005
8/28/2025			<0.0005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.0005					
11/21/2016	<0.0005					
2/22/2017	<0.0005					
6/14/2017	<0.0005					
9/27/2017	<0.0005					
2/14/2018	<0.0005					
3/6/2018		<0.0005	<0.0005	<0.0005		
5/1/2018		<0.0005	<0.0005	<0.0005		
6/27/2018	<0.0005			<0.0005		
6/28/2018			<0.0005			
7/31/2018			<0.0005			
8/1/2018				<0.0005		
8/10/2018					<0.0005	
8/23/2018			7.9E-05 (J)	5.5E-05 (J)	<0.0005	
9/19/2018			<0.0005	<0.0005	<0.0005	
10/29/2018			<0.0005	<0.0005	<0.0005	
11/28/2018			<0.0005	5.6E-05 (J)	<0.0005	
12/19/2018	<0.0005			6E-05 (J)		
12/20/2018			<0.0005		<0.0005	
1/17/2019					<0.0005	
2/13/2019					<0.0005	
8/27/2019	<0.0005					
8/28/2019			<0.0005	<0.0005		
8/29/2019					<0.0005	
10/16/2019				<0.0005	<0.0005	
10/17/2019	<0.0005		<0.0005			
12/3/2019			<0.0005			
12/4/2019	<0.0005					
3/4/2020				<0.0005	<0.0005	
3/5/2020	<0.0005		<0.0005			
8/19/2020	<0.0005					
8/20/2020			4.6E-05 (J)	4.7E-05 (J)	<0.0005	
9/16/2020	<0.0005		<0.0005	<0.0005		
9/17/2020					<0.0005	
3/2/2021			<0.0005	<0.0005		
3/4/2021	<0.0005				<0.0005	
9/23/2021			<0.0005	<0.0005		
9/28/2021	<0.0005	<0.0005			<0.0005	
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/4/2022						<0.0005
8/23/2022				<0.0005		
8/25/2022	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
1/24/2023	<0.0005					
1/25/2023		<0.0005	<0.0005		<0.0005	
1/26/2023				<0.0005		
1/30/2023						<0.0005
8/22/2023	<0.0005					
8/23/2023		<0.0005				<0.0005
8/24/2023			<0.0005	<0.0005	<0.0005	
1/30/2024	<0.0005	<0.0005		<0.0005		
2/1/2024			<0.0005		<0.0005	0.000286 (J)
8/27/2024		<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/28/2024	<0.0005			<0.0005	<0.0005	
8/29/2024			<0.0005			<0.0005
2/18/2025				<0.0005		
2/19/2025	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
8/26/2025	<0.0005		<0.0005	<0.0005		
8/27/2025		<0.0005			<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.0005				
6/6/2023		<0.0005			
8/23/2023	<0.0005				
8/24/2023		<0.0005	<0.0005		
2/1/2024	<0.0005	<0.0005	<0.0005		
8/27/2024		<0.0005	<0.0005		
8/29/2024	<0.0005				
2/18/2025		<0.0005	<0.0005		
2/19/2025	<0.0005				
8/27/2025	<0.0005	<0.0005	<0.0005		<0.0005
8/28/2025				<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0072 (J)	<0.015	<0.015	<0.015		
9/1/2016					<0.015	0.0093 (J)
11/15/2016				0.0085 (J)	0.0123 (J)	
11/16/2016	0.0117 (J)	0.0109 (J)	0.0187 (J)			0.0127 (J)
2/20/2017			0.0066 (J)	0.0093 (J)	0.0157 (J)	
2/21/2017	0.0088 (J)	<0.015				0.0071 (J)
6/12/2017	0.0133 (J)		<0.015	<0.015	<0.015	
6/13/2017		<0.015				
6/14/2017						0.0078 (J)
9/26/2017	0.0093 (J)	<0.015	<0.015	<0.015	<0.015	<0.04
2/13/2018	0.0141 (J)	<0.015	<0.015	<0.015	<0.015	
2/14/2018						0.0068 (J)
6/26/2018	0.012 (J)	<0.015	0.0042 (J)	0.0056 (J)	0.0041 (J)	0.008 (J)
12/18/2018	0.0086 (J)	<0.015	<0.015	0.0062 (J)	<0.015	0.0083 (J)
3/19/2019	0.0055 (J)	<0.015	<0.015	<0.015	<0.015	0.008 (J)
10/15/2019	0.0067 (J)	<0.015	<0.015	0.006 (J)	0.01 (J)	0.006 (J)
3/3/2020	0.0082 (J)	<0.015	<0.015	<0.015	<0.015	0.01 (J)
9/15/2020	<0.015	<0.015	<0.015	<0.015	<0.015	0.0071 (J)
3/1/2021	<0.015				<0.015	
3/2/2021		<0.015	0.0053 (J)	0.0071 (J)		0.0057 (J)
9/21/2021			<0.015	<0.015		<0.04
9/22/2021	<0.015	<0.015			<0.015	
2/1/2022	<0.015	<0.015	<0.015	<0.015	<0.015	<0.04
8/23/2022	0.00592 (J)	0.00532 (J)	<0.015	0.00538 (J)	<0.015	0.00653 (J)
1/24/2023	<0.015	<0.015	<0.015	<0.015	<0.015	0.00884 (J)
8/22/2023	0.00649 (J)	0.00738 (J)	0.0073 (J)	0.00764 (J)	0.00611 (J)	
1/30/2024	<0.015	<0.015	<0.015	<0.015	<0.015	
8/27/2024	<0.015	<0.015	<0.015	0.00538 (J)	<0.015	
2/18/2025	<0.015	<0.015	0.00591 (J)	0.00548 (J)	<0.015	
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 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.015					
9/6/2016		0.0362 (J)				1.96
9/8/2016			1.03	1.63	1.35	
11/16/2016	0.0081 (J)					
11/17/2016		0.0617	1.7			
11/18/2016				1.91		
11/21/2016					1.74	1.68
2/21/2017	<0.015	0.0245 (J)	1.55	1.39		
2/22/2017					1.5	1.48
6/13/2017	<0.015	<0.04	1.77	1.62		
6/14/2017					1.6	1.71
9/26/2017	<0.015	<0.04				
9/27/2017			1.75	1.16	1.83	1.61
2/14/2018	<0.015	0.0314 (J)	1.47	1.17	1.8	1.47
6/26/2018	<0.015	0.062	1.8			
6/27/2018				1.4	1.8	
6/28/2018						1.4
12/18/2018	0.0053 (J)	0.055	1.5		1.5	1.6
12/20/2018				1.4		
3/19/2019	<0.015	0.068		1.1		
3/20/2019			1.5		1.5	1.7
10/15/2019	<0.015	0.022 (J)	1.2			
10/16/2019					1.2	
10/17/2019				0.97		1.7
12/4/2019				0.89		1.6
3/3/2020	0.0065 (J)					
3/4/2020		0.044 (J)	1.2	0.81	1.1	
3/5/2020						1.5
9/15/2020	<0.015	0.033 (J)	1.2		1.1	
9/16/2020				1.2		1.7
3/2/2021	<0.015	0.042	1.1			
3/3/2021				0.91	1	1.4
9/21/2021	<0.015					
9/22/2021		0.047				
9/28/2021			1.1	0.95	0.9	1.7
2/1/2022	<0.015	0.046				
2/2/2022			1.1			1.9
2/3/2022					0.93	
2/4/2022				1		
8/23/2022	<0.015	0.0498	1.38			
8/24/2022					1.13	2.15
8/25/2022				1.03		
1/24/2023	0.0053 (J)	0.0437				
1/25/2023				1.14		
1/26/2023			1.45		1.07	2.17
8/22/2023		0.039				2.05
8/24/2023			1.95	1.25	1.34	
1/30/2024		0.0389				2.36
1/31/2024			1.61	1.17	1.11	
5/8/2024				1.3		
8/27/2024		0.0315		1.28	1.09	
8/28/2024						1.82

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			2.04			
2/18/2025		0.0393				
2/19/2025			1.63	1.02	1.56	1.92
8/26/2025				1.17	1.04	
8/27/2025		0.0257				1.75
8/28/2025			1.65			

Time Series

Constituent: Boron (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	1.28					
11/21/2016	1.19					
2/22/2017	1.43					
6/14/2017	1.57					
9/27/2017	1.51					
2/14/2018	1.6					
3/6/2018		2.12	0.0198 (J)	0.428		
5/1/2018		1.5	0.015 (J)	0.45		
6/27/2018	1.5			0.49		
6/28/2018			0.025 (J)			
7/31/2018			0.035 (J)			
8/1/2018				0.39		
8/10/2018					1.3	
8/23/2018			0.022 (J)	0.39	1.4	
9/19/2018			0.021 (J)	0.43	1.7	
10/29/2018			0.021 (J)	0.4	1.3	
11/28/2018			0.026 (J)	0.51	1.5	
12/19/2018	1.6			0.41		
12/20/2018			0.028 (J)		1.6	
1/17/2019					1.5	
2/13/2019					1.7	
3/19/2019				0.41		
3/20/2019	1.4		0.043		1.6	
10/16/2019				0.36	1.3	
10/17/2019	1.5		0.064			
12/3/2019			0.027 (J)			
12/4/2019	1.6					
3/4/2020				0.49	1.4	
3/5/2020	1.5		0.044 (J)			
9/16/2020	1.4		0.028 (J)	0.47		
9/17/2020					1.9	
3/2/2021			0.044	0.58		
3/4/2021	1.1				1.4	
9/23/2021			0.029 (J)	0.47		
9/28/2021	0.91	1.3			1.4	
2/2/2022	1	1.6	0.034 (J)	0.48	1.5	
2/4/2022						0.67
8/23/2022				0.547		
8/25/2022	1.07	1.59	0.0458		1.56	0.672
1/24/2023	1.11					
1/25/2023		1.47	0.0355		1.79	
1/26/2023				0.661		
1/30/2023						0.82
8/22/2023	1.13					
8/23/2023		1.35				0.706
8/24/2023			0.0444	0.689	1.87	
1/30/2024	1.23	1.27		0.618		
2/1/2024			0.0355		1.61	0.714
5/8/2024	1.01					
8/27/2024		1.16				
8/28/2024	0.996			0.508	1.44	
8/29/2024			0.0431			0.731

Time Series

Constituent: Boron (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/18/2025				0.682		
2/19/2025	1.05	1.13	0.0537		1.67	0.712
8/26/2025	0.833		0.0598	0.647		
8/27/2025		0.98			1.42	0.611

Time Series

Constituent: Boron (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.255				
6/6/2023		1.24			
7/5/2023			1.29		
8/23/2023	0.318				
8/24/2023		1.47	1.51		
2/1/2024	0.384	1.32	1.36		
8/27/2024		1.2	1.2		
8/29/2024	0.404				
2/18/2025		1.25	1.31		
2/19/2025	0.389				
8/27/2025	0.326	1.16	1.3		0.108
8/28/2025				0.0262	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.001	<0.001	<0.001	<0.001		
9/1/2016					<0.001	<0.001
11/15/2016				<0.001	<0.001	
11/16/2016	<0.001	<0.001	<0.001			<0.001
2/20/2017			<0.001	<0.001	<0.001	
2/21/2017	<0.001	<0.001				<0.001
6/12/2017	<0.001		<0.001	<0.001	<0.001	
6/13/2017		<0.001				
6/14/2017						<0.001
9/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2018	<0.001	<0.001	<0.001	<0.001	<0.001	
2/14/2018						<0.001
6/26/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/31/2018						<0.001
12/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10/15/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/3/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/1/2021	<0.001				<0.001	
3/2/2021		<0.001	<0.001	<0.001		<0.001
9/21/2021			<0.001	<0.001		<0.001
9/22/2021	<0.001	<0.001			<0.001	
2/1/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/23/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/24/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/22/2023	<0.001	<0.001	<0.001	<0.001	<0.001	
1/30/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
8/27/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
2/18/2025	<0.001	<0.001	<0.001	<0.001	<0.001	
8/26/2025	<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 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.001					
9/6/2016		<0.001				<0.001
9/8/2016			<0.001	7E-05 (J)	<0.001	
11/16/2016	<0.001					
11/17/2016		<0.001	<0.001			
11/18/2016				9E-05 (J)		
11/21/2016					<0.001	8E-05 (J)
2/21/2017	<0.001	<0.001	<0.001	<0.001		
2/22/2017					<0.001	<0.001
6/13/2017	<0.001	<0.001	<0.001	<0.001		
6/14/2017					<0.001	<0.001
9/26/2017	<0.001	<0.001				
9/27/2017			<0.001	<0.001	<0.001	<0.001
2/14/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/26/2018	<0.001	0.00015 (J)	<0.001			
6/27/2018				<0.001	<0.001	
6/28/2018						<0.001
7/31/2018	<0.001					
12/18/2018	<0.001	0.0001 (J)	<0.001		<0.001	<0.001
12/20/2018				<0.001		
8/27/2019	<0.001		<0.001			<0.001
8/28/2019				<0.001	<0.001	
8/29/2019		<0.001				
10/15/2019	<0.001	<0.001	<0.001			
10/16/2019					<0.001	
10/17/2019				<0.001		<0.001
12/4/2019				<0.001		<0.001
3/3/2020	<0.001					
3/4/2020		<0.001	<0.001	<0.001	<0.001	
3/5/2020						<0.001
8/18/2020	<0.001	<0.001				
8/19/2020			<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001		<0.001	
9/16/2020				<0.001		<0.001
3/2/2021	<0.001	<0.001	<0.001			
3/3/2021				<0.001	<0.001	<0.001
9/21/2021	<0.001					
9/22/2021		<0.001				
9/28/2021			<0.001	<0.001	<0.001	<0.001
2/1/2022	<0.001	<0.001				
2/2/2022			<0.001			0.00014 (J)
2/3/2022					<0.001	
2/4/2022				<0.001		
8/23/2022	<0.001	<0.001	<0.001			
8/24/2022					<0.001	<0.001
8/25/2022				<0.001		
1/24/2023	<0.001	<0.001				
1/25/2023				<0.001		
1/26/2023			<0.001		<0.001	<0.001
8/22/2023		<0.001				<0.001
8/24/2023			<0.001	<0.001	<0.001	
1/30/2024		<0.001				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
1/31/2024			<0.001	<0.001	<0.001	
8/27/2024		<0.001		<0.001	<0.001	
8/28/2024						<0.001
8/29/2024			<0.001			
2/18/2025		<0.001				
2/19/2025			<0.001	<0.001	<0.001	<0.001
8/26/2025				<0.001	<0.001	
8/27/2025		<0.001				<0.001
8/28/2025			<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.001					
11/21/2016	8E-05 (J)					
2/22/2017	0.0001 (J)					
6/14/2017	<0.001					
9/27/2017	<0.001					
2/14/2018	<0.001					
3/6/2018		<0.001	<0.001	<0.001		
5/1/2018		<0.001	<0.001	<0.001		
6/27/2018	0.00011 (J)			0.00014 (J)		
6/28/2018			<0.001			
7/31/2018			<0.001			
8/1/2018				0.00011 (J)		
8/10/2018					<0.001	
8/23/2018			<0.001	0.00018 (J)	<0.001	
9/19/2018			<0.001	0.00015 (J)	<0.001	
10/29/2018			9.8E-05 (J)	0.00019 (J)	<0.001	
11/28/2018			<0.001	0.00022 (J)	<0.001	
12/19/2018	0.00012 (J)			<0.001		
12/20/2018			0.00029 (J)		<0.001	
1/17/2019					<0.001	
2/13/2019					<0.001	
8/27/2019	<0.001					
8/28/2019			<0.001	0.00017 (J)		
8/29/2019					<0.001	
10/16/2019				0.00018 (J)	<0.001	
10/17/2019	<0.001		<0.001			
12/3/2019			0.00011 (J)			
12/4/2019	<0.001					
3/4/2020				0.00024 (J)	<0.001	
3/5/2020	<0.001		<0.001			
8/19/2020	<0.001					
8/20/2020			0.00014 (J)	<0.001	<0.001	
9/16/2020	<0.001		<0.001	<0.001		
9/17/2020					<0.001	
3/2/2021			0.0002 (J)	<0.001		
3/4/2021	<0.001				<0.001	
9/23/2021			<0.001	<0.001		
9/28/2021	<0.001	<0.001			<0.001	
2/2/2022	<0.001	<0.001	<0.001	0.00015 (J)	<0.001	
2/4/2022						<0.001
8/23/2022				<0.001		
8/25/2022	<0.001	<0.001	<0.001		<0.001	<0.001
1/24/2023	<0.001					
1/25/2023		<0.001	<0.001		<0.001	
1/26/2023				<0.001		
1/30/2023						<0.001
8/22/2023	<0.001					
8/23/2023		<0.001				<0.001
8/24/2023			<0.001	<0.001	<0.001	
1/30/2024	<0.001	<0.001		<0.001		
2/1/2024			<0.001		<0.001	<0.001
8/27/2024		<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/28/2024	<0.001			<0.001	<0.001	
8/29/2024			<0.001			<0.001
2/18/2025				<0.001		
2/19/2025	<0.001	<0.001	<0.001		<0.001	<0.001
8/26/2025	<0.001		<0.001	<0.001		
8/27/2025		<0.001			<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.001				
6/6/2023		<0.001			
8/23/2023	<0.001				
8/24/2023		<0.001	<0.001		
2/1/2024	<0.001	<0.001	<0.001		
8/27/2024		<0.001	<0.001		
8/29/2024	<0.001				
2/18/2025		<0.001	<0.001		
2/19/2025	<0.001				
8/27/2025	<0.001	<0.001	<0.001		<0.001
8/28/2025				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	12.6	4.09	13.5	19.6		
9/1/2016					3.3	8.98
11/15/2016				21.7	3.44	
11/16/2016	12.1	4.25	14.9			15.4
2/20/2017			13.9	21.1	3.52	
2/21/2017	11.4	4.02				17.4
6/12/2017	9.34		13.7	21.5	3.11	
6/13/2017		3.84				
6/14/2017						18.1
9/26/2017	14.3	3.31	14.4	24	3.15	19.3
2/13/2018	<25	3.94	<25	<25	3.65	
2/14/2018						<25
6/26/2018	16 (J)	3.6	13.5 (J)	23.5 (J)	3.3	15.5 (J)
7/31/2018						18.2 (J)
12/18/2018	14.5 (J)	3.8	16.4 (J)	19.8 (J)	3.5	18.7 (J)
3/19/2019	14.3 (J)	3.9	12.3 (J)	21.4 (J)	3.6	15.9 (J)
10/15/2019	15.1	3.7	14.4	20	3.5	15.9
3/3/2020	20	4	14.9	23.2	5	19.4
9/15/2020	14.1	3.9	12.7	16.8	3.7	14.5
3/1/2021	15.4				4.2	
3/2/2021		4	13.2	16.8		11.7
9/21/2021			14.1	19.1		16.4
9/22/2021	15.9	4.3			4.1	
2/1/2022	14.4	4.4	14.5	19.1	4.2	14.2
8/23/2022	13.9	4.65	14.3	18.2	3.97	15.8
1/24/2023	14.2	4.86	15.8	19.4	3.9	13.7
8/22/2023	12.6	5.02	14.3	14.9	3.79	
1/30/2024	14.1	5.25	16	18.2	4.27	
8/27/2024	12.4	5.45	15.9	17.2	4.19	
2/18/2025	13.8	5.76	16.9	16.5	4.11	
8/26/2025	12.8	5.53	16.7	16.3	4.2	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	4.61					
9/6/2016		12.8				63.3
9/8/2016			59.4	87.2	93.9	
11/16/2016	4.17					
11/17/2016		19.2	78.4			
11/18/2016				82.4		
11/21/2016					99.1	60.7
2/21/2017	5	15.1	80.9	75.1		
2/22/2017					105	62.1
6/13/2017	4.98	10.2	62	61		
6/14/2017					91.3	63.5
9/26/2017	4.49	15				
9/27/2017			65.8	72.6	84	63.5
2/14/2018	<25	<25	58.8	74.1	72.1	62.8
6/26/2018	6.4	18.5 (J)	55.5			
6/27/2018				68.2	61.1	
6/28/2018						73.3
7/31/2018	6.1					
12/18/2018	5.5	16.8 (J)	54.7		52.9	102
12/20/2018				63.9		
3/19/2019	5.9	13.5 (J)		60.2		
3/20/2019			54.2		55.4	141
10/15/2019	6.2	8.6	48.3			
10/16/2019					54	
12/4/2019				76.8		92.6
3/3/2020	6.8					
3/4/2020		11.5	52	72.3	59.3	
3/5/2020						119
9/15/2020	5.7	10.7	40.1		55.1	
9/16/2020				62.5		106
3/2/2021	5.4	11.6	44.1			
3/3/2021				58.2	73.3	122
9/21/2021	5.4					
9/22/2021		9.2				
9/28/2021			38.4	50.4	59.5	212
2/1/2022	5.3	10.7				
2/2/2022			44.3			232
2/3/2022					58.7	
2/4/2022				61.7		
8/23/2022	6.09	8.09	51.5			
8/24/2022					61	316
8/25/2022				64		
1/24/2023	5.62	6.97				
1/25/2023				55.7		
1/26/2023			57.6		68	361
8/22/2023		5.95				414
8/24/2023			69.6	74.4	71.4	
1/30/2024		6.19				441
1/31/2024			67.4	60	89.3	
5/8/2024				71.2		
8/27/2024		5.88		75.9	70.5	
8/28/2024						419

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			77.6			
2/18/2025		7.17				
2/19/2025			73	46.4	119	442
8/26/2025				56.5	84.6	
8/27/2025		7.25				493
8/28/2025			74.7			

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	60.5					
11/21/2016	31.1					
2/22/2017	67.3					
6/14/2017	60.2					
9/27/2017	68.4					
2/14/2018	70.2					
3/6/2018		<25	39.5	326		
5/1/2018		<25	45.5	305		
6/27/2018	67.1			340		
6/28/2018			41.9			
7/31/2018			41.5			
8/1/2018				358		
8/10/2018					410 (O)	
8/23/2018			42.3	323	33.9	
9/19/2018			41.9	321	42.3	
10/29/2018			40.8	326	39.8	
11/28/2018			45.1	354	38.2	
12/19/2018	61.2			330		
12/20/2018			39		43.2	
1/17/2019					39.4	
2/13/2019					36.9	
3/19/2019				335		
3/20/2019	52.8		31.2		40.3	
10/16/2019				338	48.4	
12/3/2019			43.7			
12/4/2019	52.7					
3/4/2020				353	49.5	
3/5/2020	52.1		37.9			
9/16/2020	43.1		39.7	309		
9/17/2020					35.4	
3/2/2021			33.9	353		
3/4/2021	35.7				47.5	
9/23/2021			32	336		
9/28/2021	33.9	24.2			39.5	
2/2/2022	44.2	25.1	33.8	320	40.1	
2/4/2022						42.2
8/23/2022				323		
8/25/2022	48.5	27.2	33.5		38.3	45.1
1/24/2023	46.6					
1/25/2023		25.1	34.3		36.3	
1/26/2023				331		
1/30/2023						49.8
8/22/2023	45.1					
8/23/2023		26.5				56.8
8/24/2023			34	347	37.4	
1/30/2024	47.4	26		340		
2/1/2024			32.8		36.4	57.3
5/8/2024	37.9					
8/27/2024		24.9				
8/28/2024	37.4			302	36.8	
8/29/2024			42.9			65.6
2/18/2025				322		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	37.7	24.5	44.3		40.1	75.5
8/26/2025	31		67	304		
8/27/2025		26.7			42.5	77.3

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	86.1				
6/6/2023		70.1			
7/5/2023			48.7		
8/23/2023	86.4				
8/24/2023		69.2	47		
2/1/2024	94.3	62.5	50.8		
8/27/2024		68.8	49.8		
8/29/2024	96.7				
2/18/2025		61.8	48.1		
2/19/2025	93.6				
8/27/2025	95.2	59.2	51.6		53.7
8/28/2025				24.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	2.3	2	4.4	3.6		
9/1/2016					2.5	3.3
11/15/2016				4	2.3	
11/16/2016	2	1.8	4.4			3.6
2/20/2017			4.8	3.9	2.4	
2/21/2017	2	1.8				3.2
6/12/2017	2.1		4.2	3.8	2.2	
6/13/2017		1.7				
6/14/2017						3.1
9/26/2017	2	1.8	4.4	4.1	2.3	3.3
2/13/2018	2.1	1.7	4.7	4.1	2.3	
2/14/2018						3.1
6/26/2018	2.4	2.2	4.5	4.1	2.6	3.4
7/31/2018						2.6
12/18/2018	1.8	1.9	4.5	3.8	2.3	2.8
3/19/2019	2.5	2	4.5	4.2	2.6	3.2
10/15/2019	2.2	1.9	4.2	3.7	2.4	3.1
3/3/2020	1.9	1.9	3.9	3.6	2.9	2.6
9/15/2020	1.9	1.7	3.7	3.7	2.3	2.4
3/1/2021	1.8				2.1	
3/2/2021		1.7	3.8	3.7		2.6
9/21/2021			3.2	3.2		2.1
9/22/2021	1.7	1.5			2.1	
2/1/2022	1.8	1.6	3.5	3.4	2.1	2.2
8/23/2022	2.02	2.18	3.64	3.59	2.39	2.5
1/24/2023	2.09	2.16	3.93	3.56	2.3	2.49
8/22/2023	1.9	2.14	3.53	3.37	2.34	
1/30/2024	2.35	2.14	3.98	3.52	3.23	
8/27/2024	2.16	2.17	3.88	3.49	2.28	
2/18/2025	2.09	2.09	4.05	3.34	2.25	
8/26/2025	2.1	2.05	4	3.34	2.21	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	3.5					
9/6/2016		5.8				6.7
9/8/2016			5.5	6	6.4	
11/16/2016	3.6					
11/17/2016		4.3	7.7			
11/18/2016				6.3		
11/21/2016					6.9	6.5
2/21/2017	3.2	3.5	7.3	5.1		
2/22/2017					6.2	5.6
6/13/2017	3.3	3.2	7.5	4.7		
6/14/2017					7.2	5.7
9/26/2017	3.3	3.5				
9/27/2017			7.9	4.9	8.7	6
2/14/2018	3.5	3.8	6.7	5.6	7.2	5.9
6/26/2018	3.4	3.8	6.7			
6/27/2018				5.9	6.3	
6/28/2018						7
7/31/2018	2.9					
12/18/2018	2.9	3.9	6.2		5.4	5.8
12/20/2018				5.6		
3/19/2019	3.5	3.8		5.8		
3/20/2019			6.4		5.6	5.8
10/15/2019	3.4	3.5	5			
10/16/2019					6.9	
12/4/2019				5.6		5
3/3/2020	3.2					
3/4/2020		3.3	5	5.1	5.8	
3/5/2020						4.3
9/15/2020	3.5	3.1	4.9		5.5	
9/16/2020				5.4		4.4
3/2/2021	3.7	3.5	4.5			
3/3/2021				4.5	5.6	4
9/21/2021	3.5					
9/22/2021		2.8				
9/28/2021			4.2	3.7	5.4	3.4
2/1/2022	3.6	3.2				
2/2/2022			4.2			4
2/3/2022					6.1	
2/4/2022				4.6		
8/23/2022	5.46	3.16	5.38			
8/24/2022					5.84	4.91
8/25/2022				4.65		
1/24/2023	3.79	2.88				
1/25/2023				3.81		
1/26/2023			6.96		5.59	3.82
8/22/2023		2.41				3.35
8/24/2023			8.47	4.81	6.08	
1/30/2024		2.4				3.52
1/31/2024			8.73	4.05	7.94	
5/8/2024				5.06		
8/27/2024		2.16		4.47	8.87	
8/28/2024						3.48

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			13.7			
2/18/2025		2.16				
2/19/2025			12.5	3.08	8.25	2.9
8/26/2025				3.1	8.6	
8/27/2025		2.13				2.76
8/28/2025			13.3			

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	6.8					
11/21/2016	7.8					
2/22/2017	7					
6/14/2017	7.1					
9/27/2017	7.2					
2/14/2018	7.4					
3/6/2018		6	56.6	8.4		
5/1/2018		6	58.5	5.8		
6/27/2018	7.1			4.4		
6/28/2018			50.2			
7/31/2018			59			
8/1/2018				5.2		
8/10/2018					6.9	
8/23/2018			54	3.6	7.5	
9/19/2018			58.4	4.1	6.6	
10/29/2018			62.6	4.3	7.8	
11/28/2018			58.1	5.1	7.2	
12/19/2018	7			4.5		
12/20/2018			47.2		6.6	
1/17/2019					6.4	
2/13/2019					6.5	
3/19/2019				4.7		
3/20/2019	7.3		27.7		6.7	
10/16/2019				4.6	7	
12/3/2019			52.8			
12/4/2019	6.6					
3/4/2020				4.2	6.1	
3/5/2020	6		37.1			
9/16/2020	5.6		54.9	4.1		
9/17/2020					6.3	
3/2/2021			25.8	4.8		
3/4/2021	4.6				5.6	
9/23/2021			29.3	4.3		
9/28/2021	3.6	5			5.5	
2/2/2022	3.8	5.5	23.4	4.2	6.1	
2/4/2022						6.2
8/23/2022				4.49		
8/25/2022	3.96	6.28	14.9		6.27	6.15
1/24/2023	4.49					
1/25/2023		5.84	27.4		6.35	
1/26/2023				4.96		
1/30/2023						7.18
8/22/2023	4.3					
8/23/2023		6.83				6.81
8/24/2023			16.5	4.67	6.28	
1/30/2024	4.1	6.36		4.74		
2/1/2024			17.2		6.3	7.16
5/8/2024	4.11					
8/27/2024		5.99				
8/28/2024	4.09			4.57	6.58	
8/29/2024			24.8			6.86
2/18/2025				4.54		

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	3.9	6.18	21.2		6.43	7.57
8/26/2025	4.04		18.3	4.88		
8/27/2025		6.58			6.96	8.33

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	12.7				
6/6/2023		8.22			
7/5/2023			7.18		
8/23/2023	23				
8/24/2023		14.8	6.84		
2/1/2024	19.9	18.1	7.21		
8/27/2024		27.1	6.31		
8/29/2024	18.1				
2/18/2025		13.7	6.06		
2/19/2025	16.8				
8/27/2025	15.1	11.6	6.47		7.56
8/28/2025				4.61	

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.001 (J)	0.0034 (J)	0.0058 (J)	0.0028 (J)		
9/1/2016					0.0147	0.0009 (J)
11/15/2016				0.003 (J)	0.0154	
11/16/2016	<0.01	0.0029 (J)	0.0051 (J)			0.0015 (J)
2/20/2017			0.0049 (J)	0.0047 (J)	0.014	
2/21/2017	<0.01	0.0036 (J)				0.001 (J)
6/12/2017	0.0005 (J)		0.0052 (J)	0.0041 (J)	0.016	
6/13/2017		0.0038 (J)				
6/14/2017						0.0012 (J)
9/26/2017	0.0005 (J)	0.0045 (J)	0.0039 (J)	0.0037 (J)	0.0144	0.0014 (J)
2/13/2018	<0.01	<0.01	<0.01	<0.01	0.0144	
2/14/2018						<0.01
6/26/2018	<0.01	0.008 (J)	0.0053 (J)	0.0043 (J)	0.015	<0.01
12/18/2018	<0.01	0.012	0.0032 (J)	0.0054 (J)	0.015	0.0016 (J)
8/27/2019	0.0004 (J)	0.0083 (J)	0.0055 (J)	0.0043 (J)	0.015	0.0023 (J)
10/15/2019	<0.01	0.0083 (J)	0.0047 (J)	0.0055 (J)	0.014	0.0021 (J)
3/3/2020	0.00047 (J)	0.0098 (J)	0.0069 (J)	0.0057 (J)	0.011	0.0026 (J)
8/18/2020	0.00096 (J)	0.0085 (J)	0.0069 (J)	0.005 (J)	0.015	0.0023 (J)
9/15/2020	<0.01	0.0082 (J)	0.0069 (J)	0.0048 (J)	0.014	0.00096 (J)
3/1/2021	<0.01				0.011	
3/2/2021		0.0074	0.0064	0.0044 (J)		0.002 (J)
9/21/2021			0.0064	0.0044 (J)		0.0023 (J)
9/22/2021	<0.01	0.0091			0.014	
2/1/2022	0.0013 (J)	0.0092	0.0066	0.0052	0.015	0.0027 (J)
8/23/2022	<0.01	0.00908 (J)	0.00647 (J)	0.00435 (J)	0.0143	<0.01
1/24/2023	<0.01	0.0095 (J)	0.00513 (J)	0.00572 (J)	0.0139	<0.01
8/22/2023	<0.01	0.00921 (J)	0.00701 (J)	0.00472 (J)	0.0132	
1/30/2024	0.00458 (J)	0.00854 (J)	0.00551 (J)	0.00582 (J)	0.0139	
8/27/2024	0.00445 (J)	0.00799 (J)	0.00521 (J)	0.00604 (J)	0.0124	
2/18/2025	<0.01	0.00765 (J)	0.00451 (J)	0.00705 (J)	0.0123	
8/26/2025	0.00517 (J)	0.00823 (J)	0.00456 (J)	0.008 (J)	0.013	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.0013 (J)					
9/6/2016		<0.01				<0.01
9/8/2016			<0.01	0.001 (J)	<0.01	
11/16/2016	0.0012 (J)					
11/17/2016		<0.01	<0.01			
11/18/2016				<0.01		
11/21/2016					<0.01	<0.01
2/21/2017	0.0017 (J)	<0.01	<0.01	<0.01		
2/22/2017					<0.01	<0.01
6/13/2017	0.0019 (J)	<0.01	<0.01	<0.01		
6/14/2017					<0.01	<0.01
9/26/2017	0.0018 (J)	<0.01				
9/27/2017			<0.01	<0.01	<0.01	<0.01
2/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
6/26/2018	0.0022 (J)	<0.01	<0.01			
6/27/2018				<0.01	<0.01	
6/28/2018						<0.01
12/18/2018	0.0022 (J)	<0.01	<0.01		<0.01	<0.01
12/20/2018				0.003 (J)		
8/27/2019	0.0024 (J)		0.0016 (J)			0.0051 (J)
8/28/2019				<0.01	<0.01	
8/29/2019		0.0016 (J)				
10/15/2019	0.0023 (J)	0.0017 (J)	0.00098 (J)			
10/16/2019					<0.01	
12/4/2019				<0.01		<0.01
3/3/2020	0.0028 (J)					
3/4/2020		0.0019 (J)	<0.01	<0.01	0.02	
3/5/2020						<0.01
8/18/2020	0.0029 (J)	0.0017 (J)				
8/19/2020			<0.01	<0.01	<0.01	<0.01
9/15/2020	0.0025 (J)	0.0019 (J)	<0.01		<0.01	
9/16/2020				<0.01		0.014
3/2/2021	0.0021 (J)	0.002 (J)	<0.01			
3/3/2021				<0.01	<0.01	<0.01
9/21/2021	0.0024 (J)					
9/22/2021		0.0026 (J)				
9/28/2021			<0.01	<0.01	<0.01	<0.01
2/1/2022	0.0029 (J)	0.0028 (J)				
2/2/2022			<0.01			<0.01
2/3/2022					<0.01	
2/4/2022				<0.01		
8/23/2022	<0.01	<0.01	<0.01			
8/24/2022					<0.01	<0.01
8/25/2022				<0.01		
1/24/2023	<0.01	<0.01				
1/25/2023				<0.01		
1/26/2023			<0.01		<0.01	<0.01
8/22/2023		<0.01				<0.01
8/24/2023			<0.01	<0.01	<0.01	
1/30/2024		<0.01				<0.01
1/31/2024			<0.01	<0.01	<0.01	
8/27/2024		<0.01		<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.01
8/29/2024			<0.01			
2/18/2025		<0.01				
2/19/2025			<0.01	<0.01	<0.01	<0.01
8/26/2025				<0.01	<0.01	
8/27/2025		<0.01				<0.01
8/28/2025			<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.01					
11/21/2016	<0.01					
2/22/2017	0.0012 (J)					
6/14/2017	0.0009 (J)					
9/27/2017	0.0011 (J)					
2/14/2018	<0.01					
3/6/2018		<0.01	<0.01	<0.01		
5/1/2018		<0.01	<0.01	<0.01		
6/27/2018	<0.01			<0.01		
6/28/2018			<0.01			
7/31/2018			<0.01			
8/1/2018				<0.01		
8/10/2018					0.0017 (J)	
8/23/2018			<0.01	<0.01	<0.01	
9/19/2018			<0.01	<0.01	<0.01	
10/29/2018			<0.01	<0.01	<0.01	
11/28/2018			<0.01	<0.01	<0.01	
12/19/2018	<0.01			0.0018 (J)		
12/20/2018			<0.01		<0.01	
1/17/2019					<0.01	
2/13/2019					<0.01	
8/27/2019	0.0019 (J)					
8/28/2019			<0.01	0.00092 (J)		
8/29/2019					<0.01	
10/16/2019				<0.01	<0.01	
12/3/2019			<0.01			
12/4/2019	0.0014 (J)					
3/4/2020				0.00078 (J)	<0.01	
3/5/2020	0.0014 (J)		0.00053 (J)			
8/19/2020	0.0021 (J)					
8/20/2020			0.001 (J)	0.00064 (J)	<0.01	
9/16/2020	0.0025 (J)		0.0014 (J)	<0.01		
9/17/2020					<0.01	
3/2/2021			<0.01	<0.01		
3/4/2021	0.002 (J)				<0.01	
9/23/2021			<0.01	<0.01		
9/28/2021	0.0021 (J)	<0.01			<0.01	
2/2/2022	0.0021 (J)	<0.01	<0.01	<0.01	<0.01	
2/4/2022						<0.01
8/23/2022				<0.01		
8/25/2022	<0.01	<0.01	<0.01		<0.01	<0.01
1/24/2023	<0.01					
1/25/2023		<0.01	<0.01		<0.01	
1/26/2023				<0.01		
1/30/2023						<0.01
8/22/2023	<0.01					
8/23/2023		<0.01				<0.01
8/24/2023			<0.01	<0.01	<0.01	
1/30/2024	<0.01	<0.01		<0.01		
2/1/2024			<0.01		<0.01	<0.01
8/27/2024		<0.01				
8/28/2024	<0.01			<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.01			<0.01
2/18/2025				<0.01		
2/19/2025	<0.01	<0.01	<0.01		<0.01	<0.01
8/26/2025	<0.01		<0.01	<0.01		
8/27/2025		<0.01			<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.01				
6/6/2023		<0.01			
8/23/2023	<0.01				
8/24/2023		<0.01	<0.01		
2/1/2024	<0.01	<0.01	<0.01		
8/27/2024		<0.01	<0.01		
8/29/2024	<0.01				
2/18/2025		<0.01	<0.01		
2/19/2025	<0.01				
8/27/2025	<0.01	<0.01	<0.01		<0.01
8/28/2025				<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0016 (J)	0.0034 (J)	0.0013 (J)	<0.001		
9/1/2016					<0.001	<0.001
11/15/2016				<0.001	<0.001	
11/16/2016	0.0006 (J)	0.003 (J)	0.0012 (J)			<0.001
2/20/2017			0.0012 (J)	0.0009 (J)	<0.001	
2/21/2017	<0.005	0.0028 (J)				<0.001
6/12/2017	<0.005		0.0011 (J)	0.0006 (J)	0.0003 (J)	
6/13/2017		0.0025 (J)				
6/14/2017						<0.001
9/26/2017	<0.005	0.002 (J)	0.0016 (J)	0.0005 (J)	0.0003 (J)	<0.001
2/13/2018	<0.005	<0.005	<0.01 (O)	<0.001	<0.001	
2/14/2018						<0.001
6/26/2018	<0.005	0.0019 (J)	0.0009 (J)	0.00052 (J)	<0.001	<0.001
7/31/2018						<0.001
12/18/2018	<0.005	0.0032 (J)	0.00062 (J)	<0.001	<0.001	<0.001
8/27/2019	<0.005	0.0012 (J)	0.00068 (J)	0.00042 (J)	<0.001	<0.001
10/15/2019	<0.005	0.00097 (J)	0.00083 (J)	<0.001	<0.001	<0.001
3/3/2020	<0.005	0.0015 (J)	0.00043 (J)	<0.001	0.0011 (J)	<0.001
8/18/2020	<0.005	0.0014 (J)	0.00048 (J)	<0.001	0.00061 (J)	<0.001
9/15/2020	<0.005	0.001 (J)	0.0005 (J)	<0.001	<0.001	<0.001
3/1/2021	<0.005				<0.001	
3/2/2021		0.001 (J)	0.00053 (J)	<0.001		<0.001
9/21/2021			0.00071 (J)	<0.001		<0.001
9/22/2021	0.0015 (J)	<0.005			0.00078 (J)	
2/1/2022	0.00079 (J)	0.0011 (J)	0.0007 (J)	<0.001	<0.001	<0.001
8/23/2022	0.000767 (J)	0.000844 (J)	0.000553 (J)	<0.001	<0.001	<0.001
1/24/2023	0.00154	0.000829 (J)	0.000677 (J)	<0.001	<0.001	<0.001
8/22/2023	0.000707 (J)	0.000707 (J)	0.000474 (J)	0.000327 (J)	<0.001	
1/30/2024	0.0014	0.000962 (J)	0.000555 (J)	<0.001	<0.001	
8/27/2024	0.00105	0.000772 (J)	0.000396 (J)	<0.001	<0.001	
2/18/2025	0.000715 (J)	0.00111	<0.001	<0.001	<0.001	
8/26/2025	0.00132	0.000842 (J)	0.000853 (J)	<0.001	0.000481 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.001					
9/6/2016		0.0028 (J)				0.0006 (J)
9/8/2016			0.0073 (J)	0.0149	0.0122	
11/16/2016	<0.001					
11/17/2016		0.0072 (J)	0.0086 (J)			
11/18/2016				0.0131		
11/21/2016					0.0122	<0.04
2/21/2017	<0.001	0.0045 (J)	0.0079 (J)	0.0099 (J)		
2/22/2017					0.0136	0.0016 (J)
6/13/2017	<0.001	0.0036 (J)	0.0083 (J)	0.0094 (J)		
6/14/2017					0.0113	0.0015 (J)
9/26/2017	<0.001	0.0037 (J)				
9/27/2017			0.0087 (J)	0.0095 (J)	0.0094 (J)	0.0007 (J)
2/14/2018	<0.001	0.0135	<0.01	0.0112	<0.01	<0.04
6/26/2018	<0.001	0.0098 (J)	0.006 (J)			
6/27/2018				0.0093 (J)	0.0069 (J)	
6/28/2018						0.00078 (J)
7/31/2018	<0.001					
12/18/2018	<0.001	0.0057 (J)	0.0055 (J)		0.0067 (J)	0.0011 (J)
12/20/2018				0.0081 (J)		
8/27/2019	<0.001		0.0042 (J)			0.0014 (J)
8/28/2019				0.01	0.0061 (J)	
8/29/2019		0.0015 (J)				
10/15/2019	<0.001	0.0011 (J)	0.0043 (J)			
10/16/2019					0.0058	
10/17/2019				0.009 (J)		<0.04
12/4/2019				0.0086		0.0012 (J)
3/3/2020	<0.001					
3/4/2020		0.0012 (J)	0.0039 (J)	0.008	0.007	
3/5/2020						0.0011 (J)
8/18/2020	<0.001	0.00067 (J)				
8/19/2020			0.0039 (J)	0.0078	0.0065	0.0008 (J)
9/15/2020	<0.001	0.00076 (J)	0.0035 (J)		0.0064	
9/16/2020				0.008		0.0008 (J)
3/2/2021	<0.001	<0.001	0.003 (J)			
3/3/2021				0.0062	0.0095	0.0015 (J)
9/21/2021	<0.001					
9/22/2021		<0.001				
9/28/2021			0.0029 (J)	0.0047 (J)	0.0069	0.001 (J)
2/1/2022	<0.001	0.00052 (J)				
2/2/2022			0.0027 (J)			0.0012 (J)
2/3/2022					0.0077	
2/4/2022				0.0076		
8/23/2022	<0.001	0.000308 (J)	0.00342			
8/24/2022					0.0066	0.00163
8/25/2022				0.0079		
1/24/2023	<0.001	<0.001				
1/25/2023				0.00711		
1/26/2023			0.0032		0.00823	0.00158
8/22/2023		<0.001				0.00183
8/24/2023			0.00343	0.00601	0.00724	
1/30/2024		<0.001				0.00179

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
1/31/2024			0.00254	0.00392	0.00874	
8/27/2024		<0.001		0.00566	0.00574	
8/28/2024						0.00149
8/29/2024			0.00319			
2/18/2025		<0.001				
2/19/2025			0.00193	0.00157	0.00698	0.00149
8/26/2025				0.00291	0.00587	
8/27/2025		<0.001				0.00236
8/28/2025			0.00338			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.0025 (J)					
11/21/2016	0.001 (J)					
2/22/2017	<0.001					
6/14/2017	<0.001					
9/27/2017	<0.001					
2/14/2018	<0.001					
3/6/2018		<0.001	0.0162	<0.001		
5/1/2018		<0.001	0.015	<0.001		
6/27/2018	<0.001			0.0076 (J)		
6/28/2018			0.01			
7/31/2018			0.0098 (J)			
8/1/2018				0.004 (J)		
8/10/2018					0.0043 (J)	
8/23/2018			0.0093 (J)	0.0016 (J)	0.0026 (J)	
9/19/2018			0.0084 (J)	0.0018 (J)	0.0028 (J)	
10/29/2018			0.0064 (J)	0.0014 (J)	0.0015 (J)	
11/28/2018			0.0071 (J)	0.0016 (J)	0.0012 (J)	
12/19/2018	<0.001			0.0014 (J)		
12/20/2018			0.069		<0.001	
1/17/2019					<0.001	
2/13/2019					<0.001	
8/27/2019	<0.001					
8/28/2019			0.011	0.00037 (J)		
8/29/2019					0.00063 (J)	
10/16/2019				0.00032 (J)	<0.001	
10/17/2019	<0.001		0.0096 (J)			
12/3/2019			0.0076			
12/4/2019	<0.001					
3/4/2020				0.0011 (J)	<0.001	
3/5/2020	<0.001		0.0091			
8/19/2020	<0.001					
8/20/2020			0.022	0.00043 (J)	<0.001	
9/16/2020	<0.001		0.0049 (J)	0.00053 (J)		
9/17/2020					0.00046 (J)	
3/2/2021			0.0057	0.0005 (J)		
3/4/2021	<0.001				<0.001	
9/23/2021			0.0049 (J)	<0.001		
9/28/2021	<0.001	<0.001			<0.001	
2/2/2022	<0.001	<0.001	0.0054	<0.001	<0.001	
2/4/2022						0.019
8/23/2022				<0.001		
8/25/2022	<0.001	<0.001	0.00357		<0.001	0.0232
1/24/2023	<0.001					
1/25/2023		<0.001	0.00258		<0.001	
1/26/2023				0.000376 (J)		
1/30/2023						0.028
8/22/2023	<0.001					
8/23/2023		<0.001				0.0309
8/24/2023			0.00221	<0.001	0.000317 (J)	
1/30/2024	<0.001	0.000408 (J)		<0.001		
2/1/2024			0.00181		0.00042 (J)	0.0299
8/27/2024		<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/28/2024	<0.001			<0.001	<0.001	
8/29/2024			0.00203			0.0335
2/18/2025				<0.001		
2/19/2025	<0.001	<0.001	0.000823 (J)		<0.001	0.0402
8/26/2025	<0.001		0.00193	<0.001		
8/27/2025		<0.001			<0.001	0.0408

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.000825 (J)				
6/6/2023		0.00258			
8/23/2023	0.00106				
8/24/2023		0.00059 (J)	0.00105		
2/1/2024	0.000852 (J)	0.000829 (J)	0.000519 (J)		
8/27/2024		<0.001	<0.001		
8/29/2024	0.000526 (J)				
2/18/2025		<0.001	<0.001		
2/19/2025	0.000454 (J)				
8/27/2025	0.0006 (J)	<0.001	<0.001		0.0097
8/28/2025				0.000848 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	1	0.62	0.566	0.428		
9/1/2016					0.603	1.18
11/15/2016				0.645	0.412	
11/16/2016	0.824 (U)	0.43 (U)	0.493 (U)			0.799 (U)
2/20/2017			0.534 (U)	1.36	0.633 (U)	
2/21/2017	1.01	0.96				1.75
6/12/2017	0.532 (U)		0.254 (U)	0.566 (U)	0.112 (U)	
6/13/2017		0.645 (U)				
6/14/2017						2.66
9/26/2017	0.845 (U)	0.299 (U)	0.62 (U)	0.762 (U)	0.167 (U)	0.841 (U)
2/13/2018	0.176 (U)	1.01 (U)	0.0914 (U)	0.349 (U)	0.347 (U)	
2/14/2018						1.13
6/26/2018	1.02 (U)	1.26	1.11 (U)	0.614 (U)	0.903 (U)	1.42
12/18/2018	0.487 (U)	0.44 (U)	0.42 (U)	0.445 (U)	0.353 (U)	0.855 (U)
8/27/2019	1.11	1.47	1.19	1.44	0.65 (U)	1.31
10/15/2019	1.02 (U)	0.807 (U)	0.714 (U)	0.467 (U)	0.402 (U)	1.13 (U)
3/3/2020	1.18 (U)	0.818 (U)	0.996 (U)	1.5	0.397 (U)	1.29 (U)
8/18/2020	0.0861 (U)	1.22 (U)	0.53 (U)	0.581 (U)	0.453 (U)	0.988 (U)
9/15/2020	0.0583 (U)	0.579 (U)	0.215 (U)	0.55 (U)	0.474 (U)	0.762 (U)
3/1/2021	0.127 (U)				0.215 (U)	
3/2/2021		0.342 (U)	0.409 (U)	0.362 (U)		0.901
9/21/2021			0.182 (U)	0.86 (U)		1.33
9/22/2021	0.349 (U)	1.33 (U)			0.943 (U)	
2/1/2022	0.233 (U)	0.251 (U)	1.23	0.23 (U)	0.349 (U)	0.833 (U)
8/23/2022	1.7 (U)	0.531 (U)	2.3	0.735 (U)	0.203 (U)	0.558 (U)
1/24/2023	2.05 (U)	1.35 (U)	0.811 (U)	0.402 (U)	1.55 (U)	1.49 (U)
8/22/2023	0.857 (U)	0.592 (U)	1.36	1.31 (U)	1.89 (U)	
1/30/2024	1.25	2.54	1.48 (U)	0 (U)	1.29	
8/27/2024	0.864 (U)	1.4 (U)	3.62	0.236 (U)	1.64	
2/18/2025	1.02 (U)	0.747 (U)	0.475 (U)	1.3 (U)	2.33	
8/26/2025	5.9	2.04 (U)	2.27	3.65	2.13	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.643					
9/6/2016		0.585 (U)				1.01 (U)
9/8/2016			0.471	1.74	0.54	
11/16/2016	0.863 (U)					
11/17/2016		0.804 (U)	1.2 (U)			
11/18/2016				0.571 (U)		
11/21/2016					1.59	0.201 (U)
2/21/2017	0.318	0.595	1.31	1.28		
2/22/2017					1.64	0.57 (U)
6/13/2017	0.163 (U)	0.618 (U)	0.738 (U)	0.521 (U)		
6/14/2017					1.32	0.726 (U)
9/26/2017	0.56 (U)	1.26 (U)				
9/27/2017			0.583 (U)	0.595 (U)	1.7	0.884 (U)
2/14/2018	0.537 (U)	1.2 (U)	1.41	1.18 (U)	1.89	1.14 (U)
6/26/2018	1.31	1.34 (U)	0.968 (U)			
6/27/2018				1.3 (U)	1.66	
6/28/2018						1.4
12/18/2018	1.31	1.13 (U)	1.13 (U)		0.759 (U)	0.661 (U)
12/20/2018				0.527 (U)		
8/27/2019	1.32		0.91 (U)			1.35
8/28/2019				0.643 (U)	1.76	
8/29/2019		1.45 (U)				
10/15/2019	1.05 (U)	1.69	1.06 (U)			
10/16/2019					1.69 (U)	
10/17/2019				1.07 (U)		1.25 (U)
3/3/2020	1.68					
3/4/2020		1.45	1.34	1.18	1.23	
3/5/2020						1.35
8/18/2020	0.969 (U)	0.784 (U)				
8/19/2020			0.467 (U)	0.684 (U)	0.876 (U)	1 (U)
9/15/2020	0.359 (U)	1.04 (U)	0.205 (U)		1.23 (U)	
9/16/2020				0.175 (U)		0.43 (U)
3/2/2021	0.925	1.12	0.161 (U)			
3/3/2021				0.829 (U)	1.31 (U)	0.415 (U)
9/21/2021	0.468 (U)					
9/22/2021		1.4				
9/28/2021			4.44	3.58	1.49	0.749 (U)
2/1/2022	0.659 (U)	1.15				
2/2/2022			0.64 (U)			1.21 (U)
2/3/2022					0.798 (U)	
2/4/2022				0.335 (U)		
8/23/2022	1.69 (U)	1.59 (U)	1.9 (U)			
8/24/2022					1.97	3.26
8/25/2022				1.79 (U)		
1/24/2023	3.07	5.62				
1/25/2023				1.53 (U)		
1/26/2023			3.24		2.27 (U)	2.73 (U)
8/22/2023		2.16				2.71
8/24/2023			1.21 (U)	2.23	3.02	
1/30/2024		0.605 (U)				4.11
1/31/2024			3.78	1.49 (U)	3.01	
8/27/2024		2.43		2.41	2.39	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						3.82
8/29/2024			6.24			
2/18/2025		2.42 (U)				
2/19/2025			2.94	1.44 (U)	2.67	1.09 (U)
8/26/2025				3.96	5.92	
8/27/2025		3.86				5.84
8/28/2025			3.62			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.816					
11/21/2016	0.0569 (U)					
2/22/2017	1.07 (U)					
6/14/2017	0.459 (U)					
9/27/2017	0.807 (U)					
2/14/2018	1.67					
3/6/2018		0.577 (U)	1.25 (U)	1.75		
5/1/2018		0.27 (U)	0.423 (U)	2.09		
6/27/2018	1.34			0.878 (U)		
6/28/2018			0.283 (U)			
7/31/2018			0.243 (U)			
8/1/2018				0.638 (U)		
8/10/2018					1.91	
8/23/2018			1.1 (U)	1.14 (U)	1.86	
9/19/2018			0.369 (U)	1.45	1.64	
10/29/2018			0.401 (U)	1.09 (U)	1.36 (U)	
11/28/2018			0.901 (U)	1.67	1.07 (U)	
12/19/2018	1.21 (U)			1.3		
12/20/2018			0.657 (U)		0.892 (U)	
1/17/2019					0.411	
2/13/2019					1.68	
8/27/2019	0.86 (U)					
8/28/2019			0.528 (U)	0.804 (U)		
8/29/2019					1.44	
10/16/2019				1.28 (U)	2.13	
10/17/2019	1.2 (U)		0.977 (U)			
3/4/2020				0.862 (U)	2.3	
3/5/2020	0.483 (U)		0.921 (U)			
8/19/2020	0.482 (U)					
8/20/2020			0.501 (U)	1.64	2.97	
9/16/2020	0.195 (U)		0.254 (U)	0.51 (U)		
9/17/2020					2.04	
3/2/2021			0.107 (U)	0.571 (U)		
3/4/2021	0.32 (U)				2.04	
9/23/2021			0.619 (U)	0.527 (U)		
9/28/2021	0.947 (U)	0.526 (U)			3.28	
2/2/2022	0.0265 (U)	0.244 (U)	0.219 (U)	0.145 (U)	2.33	
2/4/2022						0.768
8/23/2022				3.74		
8/25/2022	1.32 (U)	1.6 (U)	1.65 (U)		4.97	1.52 (U)
1/24/2023	2.25					
1/25/2023		2.49 (U)	1.29 (U)		7.94	
1/26/2023				3.28		
1/30/2023						6.03
8/22/2023	2.33					
8/23/2023		0.477 (U)				2.31
8/24/2023			0.607 (U)	2.39	6.36	
1/30/2024	0.572 (U)	2.87		2.63		
2/1/2024			1.22 (U)		4.51	1.52 (U)
8/27/2024		2.84				
8/28/2024	0.737 (U)			1.32 (U)	14.7	
8/29/2024			1.71			4.48

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/18/2025				2.18 (U)		
2/19/2025	2.61	0.947 (U)	2.94		4.91	1.73
8/26/2025	2.77		3.39	4.34		
8/27/2025		4.96			9.43	3.38

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	4.16				
6/6/2023		7.8			
8/23/2023	1.62				
8/24/2023		0.811 (U)	3.11		
2/1/2024	2.16	0.912 (U)	2.19		
8/27/2024		0.997 (U)	2.81		
8/29/2024	5.43				
2/18/2025		0.399 (U)	2.59		
2/19/2025	1.79 (U)				
8/27/2025	2.12	1.68 (U)	1.63 (U)		2.07
8/28/2025				3.61	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.11 (J)	0.05 (J)	0.07 (J)	0.19 (J)		
9/1/2016					0.06 (J)	0.2 (J)
11/15/2016				0.08 (J)	0.04 (J)	
11/16/2016	0.05 (J)	0.04 (J)	0.03 (J)			0.14 (J)
2/20/2017			0.06 (J)	0.08 (J)	0.04 (J)	
2/21/2017	0.14 (J)	0.05 (J)				0.16 (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						0.09 (J)
9/26/2017	0.14 (J)	<0.1	<0.1	0.04 (J)	<0.1	0.1 (J)
2/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	
2/14/2018						<0.3
6/26/2018	0.085 (J)	0.048 (J)	0.045 (J)	0.072 (J)	0.041 (J)	0.079 (J)
12/18/2018	0.085 (J)	<0.1	<0.1	<0.1	<0.1	<0.3
3/19/2019	0.066 (J)	0.037 (J)	<0.1	0.06 (J)	0.03 (J)	<0.3
8/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3
10/15/2019	<0.1	<0.1	<0.1	0.045 (J)	<0.1	0.047 (J)
3/3/2020	0.066 (J)	0.05 (J)	<0.1	0.057 (J)	0.09 (J)	0.056 (J)
8/18/2020	<0.1	<0.1	<0.1	<0.1	<0.1	0.052 (J)
9/15/2020	<0.1	<0.1	<0.1	0.051 (J)	<0.1	0.062 (J)
3/1/2021	<0.1				<0.1	
3/2/2021		<0.1	<0.1	<0.1		0.061 (J)
9/21/2021			<0.1	0.056 (J)		0.071 (J)
9/22/2021	<0.1	<0.1			<0.1	
2/1/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.055 (J)
8/23/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.151
1/24/2023	<0.1	<0.1	0.149	0.158	0.12	0.214
8/22/2023	0.267	0.229	0.289	0.277	0.0787 (J)	
1/30/2024	<0.1	0.184	0.232	0.233	0.0341 (J)	
8/27/2024	0.0342 (J)	0.0426 (J)	0.0365 (J)	0.0516 (J)	0.0334 (J)	
2/18/2025	0.0566 (J)	0.0709 (J)	0.0553 (J)	0.0749 (J)	0.0527 (J)	
8/26/2025	0.0368 (J)	0.0487 (J)	<0.1	0.0557 (J)	0.0343 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.05 (J)					
9/6/2016		0.42				0.43
9/8/2016			0.14 (J)	0.31	0.2 (J)	
11/16/2016	0.03 (J)					
11/17/2016		0.15 (J)	0.27 (J)			
11/18/2016				0.19 (J)		
11/21/2016					0.37	0.24 (J)
2/21/2017	0.04 (J)	0.1 (J)	0.6	0.35		
2/22/2017					0.37	0.2 (J)
6/13/2017	0.008 (J)	0.07 (J)	0.19 (J)	0.19 (J)		
6/14/2017					0.38	0.15 (J)
9/26/2017	<0.1	<0.1				
9/27/2017			0.5	0.4	0.4	0.41
2/14/2018	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
6/26/2018	0.042 (J)	0.053 (J)	0.15 (J)			
6/27/2018				0.26 (J)	0.085 (J)	
6/28/2018						0.93
12/18/2018	<0.1	<0.1	0.29 (J)		0.26 (J)	0.54
12/20/2018				0.26 (J)		
3/19/2019	<0.1	<0.1		0.2 (J)		
3/20/2019			0.18 (J)		0.091 (J)	0.31
8/27/2019	<0.1		0.15 (J)			0.12 (J)
8/28/2019				0.074 (J)	0.055 (J)	
8/29/2019		0.084 (J)				
10/15/2019	<0.1	<0.1	0.16 (J)			
10/16/2019					0.11 (J)	
12/4/2019				0.18 (J)		0.26 (J)
3/3/2020	<0.1					
3/4/2020		<0.1	0.07 (J)	<0.3	<0.3	
3/5/2020						0.051 (J)
8/18/2020	<0.1	<0.1				
8/19/2020			0.17	0.19	0.12	0.14
9/15/2020	<0.1	<0.1	0.15		0.057 (J)	
9/16/2020				0.15		0.13
3/2/2021	<0.1	<0.1	0.15			
3/3/2021				0.24	0.13	0.13
9/21/2021	<0.1					
9/22/2021		0.069 (J)				
9/28/2021			0.15	0.16	0.081 (J)	0.11
2/1/2022	<0.1	<0.1				
2/2/2022			0.15			0.1
2/3/2022					0.11	
2/4/2022				0.14		
8/23/2022	0.129	0.157	0.186			
8/24/2022					0.103	0.318
8/25/2022				0.234		
1/24/2023	0.0926 (J)	0.231				
1/25/2023				0.152		
1/26/2023			0.202		0.0935 (J)	0.167
8/22/2023		0.114				0.116
8/24/2023			0.25	0.302	0.0849 (J)	
1/30/2024		0.275				0.169

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
1/31/2024			0.221	0.222	0.0968 (J)	
5/8/2024				0.342		
8/27/2024		0.204		0.382	0.0849 (J)	
8/28/2024						0.336 (J)
8/29/2024			0.248			
2/18/2025		0.0974 (J)				
2/19/2025			0.281	0.0997 (J)	0.129	0.194
8/26/2025				0.186	0.109	
8/27/2025		0.0836 (J)				0.149
8/28/2025			0.247			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.15 (J)					
11/21/2016	0.04 (J)					
2/22/2017	0.08 (J)					
6/14/2017	0.09 (J)					
9/27/2017	<0.1					
2/14/2018	<0.1					
3/6/2018		<0.3	0.94	1.1		
5/1/2018		<0.3	<0.1	0.89		
6/27/2018	<0.1			0.27 (J)		
6/28/2018			0.69			
7/31/2018			<0.1			
8/1/2018				0.48		
8/10/2018					1.6 (O)	
8/23/2018			<0.1	0.34	0.32	
9/19/2018			<0.1	0.23 (J)	0.22 (J)	
10/29/2018			<0.1	<0.2	0.14 (J)	
11/28/2018			<0.1	0.063 (J)	0.24 (J)	
12/19/2018	0.23 (J)			0.28 (J)		
12/20/2018			0.12 (J)		0.3	
1/17/2019					0.23 (J)	
2/13/2019					<0.3	
3/19/2019				<0.2		
3/20/2019	<0.1		0.066 (J)		0.14 (J)	
8/27/2019	<0.1					
8/28/2019			<0.1	<0.2		
8/29/2019					0.087 (J)	
10/16/2019				0.076 (J)	0.22 (J)	
12/3/2019			0.19 (J)			
12/4/2019	0.11 (J)					
3/4/2020				<0.2	0.1 (J)	
3/5/2020	<0.1		<0.1			
8/19/2020	<0.1					
8/20/2020			<0.1	<0.2	0.23	
9/16/2020	<0.1		0.052 (J)	<0.2		
9/17/2020					0.074 (J)	
3/2/2021			0.067 (J)	<0.2		
3/4/2021	<0.1				0.28	
9/23/2021			0.06 (J)	<0.2		
9/28/2021	<0.1	0.08 (J)			0.12	
2/2/2022	<0.1	0.065 (J)	<0.1	<0.2	0.098 (J)	
2/4/2022						0.14
8/23/2022				<0.2		
8/25/2022	0.138	0.184	0.166		0.157	0.235
1/24/2023	0.082 (J)					
1/25/2023		0.13	0.163		0.169	
1/26/2023				0.117		
1/30/2023						0.23
8/22/2023	0.0477 (J)					
8/23/2023		0.195				0.252
8/24/2023			0.185	0.243	0.188 (J)	
1/30/2024	0.207	0.242		0.11		
2/1/2024			0.126		0.215	0.289

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
5/8/2024	0.0853 (J)					
8/27/2024		0.193				
8/28/2024	0.0511 (J)			<0.2	0.0748 (J)	
8/29/2024			0.078 (J)			0.139
2/18/2025				0.189		
2/19/2025	0.0774 (J)	0.127	0.142		0.152	0.194
8/26/2025	0.0564 (J)		0.0663 (J)	0.0971 (J)		
8/27/2025		0.107			0.0985 (J)	0.141

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.166				
6/6/2023		0.0891 (J)			
7/5/2023			0.157		
8/23/2023	0.218				
8/24/2023		0.157	0.14		
2/1/2024	0.211	0.232	0.0996 (J)		
8/27/2024		0.159	0.155		
8/29/2024	0.126				
2/18/2025		0.0877 (J)	0.0816 (J)		
2/19/2025	0.135				
8/27/2025	0.114	0.0901 (J)	0.066 (J)		0.0961 (J)
8/28/2025				0.28	

Time Series

Constituent: Lead (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.002	<0.002	<0.002	<0.002		
9/1/2016					0.0001 (J)	<0.002
11/15/2016				<0.002	<0.002	
11/16/2016	<0.002	<0.002	<0.002			<0.002
2/20/2017			<0.002	0.0002 (J)	<0.002	
2/21/2017	<0.002	<0.002				<0.002
6/12/2017	8E-05 (J)		<0.002	0.0001 (J)	8E-05 (J)	
6/13/2017		<0.002				
6/14/2017						<0.002
9/26/2017	7E-05 (J)	7E-05 (J)	<0.002	0.0001 (J)	<0.002	<0.002
2/13/2018	<0.002	<0.002	<0.002	<0.002	<0.002	
2/14/2018						<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/27/2019	<0.002	5.8E-05 (J)	<0.002	0.00036 (J)	<0.002	<0.002
10/15/2019	<0.002	<0.002	<0.002	7.9E-05 (J)	<0.002	<0.002
3/3/2020	<0.002	<0.002	<0.002	7.9E-05 (J)	7.3E-05 (J)	<0.002
8/18/2020	<0.002	<0.002	<0.002	0.0001 (J)	<0.002	<0.002
9/15/2020	<0.002	<0.002	0.0013 (J)	4.3E-05 (J)	<0.002	<0.002
3/1/2021	<0.002				<0.002	
3/2/2021		<0.002	3.7E-05 (J)	<0.002		<0.002
9/21/2021			<0.002	<0.002		<0.002
9/22/2021	<0.002	<0.002			<0.002	
2/1/2022	<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
1/24/2023	<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	
1/30/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
8/27/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
2/18/2025	<0.002	<0.002	<0.002	<0.002	<0.002	
8/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.002					
9/6/2016		<0.002				<0.002
9/8/2016			<0.002	<0.002	0.0004 (J)	
11/16/2016	<0.002					
11/17/2016		<0.002	<0.002			
11/18/2016				<0.002		
11/21/2016					0.0006 (J)	<0.002
2/21/2017	<0.002	<0.002	<0.002	<0.002		
2/22/2017					0.0005 (J)	<0.002
6/13/2017	<0.002	<0.002	<0.002	<0.002		
6/14/2017					0.0004 (J)	<0.002
9/26/2017	<0.002	<0.002				
9/27/2017			<0.002	<0.002	0.0006 (J)	<0.002
2/14/2018	<0.002	<0.002	<0.002	<0.002	<0.005 (O)	<0.002
6/26/2018	<0.002	<0.002	<0.002			
6/27/2018				<0.002	0.00032 (J)	
6/28/2018						<0.002
12/18/2018	<0.002	<0.002	<0.002		0.00038 (J)	<0.002
12/20/2018				<0.002		
8/27/2019	<0.002		0.00011 (J)			<0.002
8/28/2019				<0.002	0.00027 (J)	
8/29/2019		7E-05 (J)				
10/15/2019	<0.002	<0.002	<0.002			
10/16/2019					0.00027 (J)	
12/4/2019				6.3E-05 (J)		<0.002
3/3/2020	<0.002					
3/4/2020		<0.002	<0.002	<0.002	0.0003 (J)	
3/5/2020						<0.002
8/18/2020	<0.002	<0.002				
8/19/2020			<0.002	<0.002	0.00025 (J)	<0.002
9/15/2020	<0.002	<0.002	<0.002		0.00029 (J)	
9/16/2020				<0.002		0.00011 (J)
3/2/2021	<0.002	<0.002	<0.002			
3/3/2021				<0.002	0.00033 (J)	<0.002
9/21/2021	<0.002					
9/22/2021		<0.002				
9/28/2021			<0.002	<0.002	<0.002	<0.002
2/1/2022	<0.002	<0.002				
2/2/2022			<0.002			<0.002
2/3/2022					<0.002	
2/4/2022				<0.002		
8/23/2022	<0.002	<0.002	<0.002			
8/24/2022					<0.002	<0.002
8/25/2022				<0.002		
1/24/2023	<0.002	<0.002				
1/25/2023				<0.002		
1/26/2023			<0.002		<0.002	<0.002
8/22/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024		<0.002				<0.002
1/31/2024			<0.002	<0.002	<0.002	
8/27/2024		<0.002		<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.002
8/29/2024			<0.002			
2/18/2025		<0.002				
2/19/2025			<0.002	<0.002	<0.002	<0.002
8/26/2025				<0.002	<0.002	
8/27/2025		<0.002				<0.002
8/28/2025			<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.002					
11/21/2016	<0.002					
2/22/2017	<0.002					
6/14/2017	<0.002					
9/27/2017	<0.002					
2/14/2018	<0.002					
3/6/2018		<0.002	<0.002	<0.002		
5/1/2018		<0.002	<0.002	<0.002		
6/27/2018	<0.002			<0.002		
6/28/2018			<0.002			
7/31/2018			<0.002			
8/1/2018				<0.002		
8/10/2018					<0.002	
8/23/2018			<0.002	<0.002	<0.002	
9/19/2018			<0.002	<0.002	<0.002	
10/29/2018			<0.002	<0.002	<0.002	
11/28/2018			<0.002	<0.002	<0.002	
12/19/2018	<0.002			<0.002		
12/20/2018			<0.002		<0.002	
1/17/2019					<0.002	
2/13/2019					<0.002	
8/27/2019	<0.002					
8/28/2019			<0.002	<0.002		
8/29/2019					<0.002	
10/16/2019				<0.002	<0.002	
12/3/2019			<0.002			
12/4/2019	<0.002					
3/4/2020				0.00012 (J)	<0.002	
3/5/2020	<0.002		0.00026 (J)			
8/19/2020	<0.002					
8/20/2020			0.00021 (J)	4.8E-05 (J)	<0.002	
9/16/2020	<0.002		5.3E-05 (J)	6.6E-05 (J)		
9/17/2020					<0.002	
3/2/2021			<0.002	<0.002		
3/4/2021	<0.002				4.2E-05 (J)	
9/23/2021			<0.002	<0.002		
9/28/2021	<0.002	<0.002			<0.002	
2/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	
2/4/2022						<0.002
8/23/2022				<0.002		
8/25/2022	<0.002	<0.002	<0.002		<0.002	<0.002
1/24/2023	<0.002					
1/25/2023		<0.002	0.000595 (J)		<0.002	
1/26/2023				<0.002		
1/30/2023						<0.002
8/22/2023	<0.002					
8/23/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024	<0.002	<0.002		<0.002		
2/1/2024			<0.002		<0.002	<0.002
8/27/2024		<0.002				
8/28/2024	<0.002			<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.002			<0.002
2/18/2025				<0.002		
2/19/2025	<0.002	<0.002	<0.002		<0.002	<0.002
8/26/2025	<0.002		<0.002	<0.002		
8/27/2025		<0.002			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.002				
6/6/2023		<0.002			
8/23/2023	<0.002				
8/24/2023		<0.002	<0.002		
2/1/2024	0.000504 (J)	<0.002	<0.002		
8/27/2024		<0.002	<0.002		
8/29/2024	<0.002				
2/18/2025		<0.002	<0.002		
2/19/2025	<0.002				
8/27/2025	<0.002	<0.002	<0.002		<0.002
8/28/2025				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0268 (J)	<0.01	<0.01	<0.01		
9/1/2016					0.003 (J)	0.0061 (J)
11/15/2016				<0.01	0.0033 (J)	
11/16/2016	0.0201 (J)	<0.01	0.0033 (J)			0.0054 (J)
2/20/2017			<0.01	<0.01	0.0025 (J)	
2/21/2017	0.0128 (J)	<0.01				0.0058 (J)
6/12/2017	0.0245 (J)		0.0019 (J)	<0.01	0.0027 (J)	
6/13/2017		<0.01				
6/14/2017						0.0054 (J)
9/26/2017	0.0549	<0.01	0.0022 (J)	<0.01	0.0023 (J)	0.0037 (J)
2/13/2018	0.0595	<0.01	0.0041 (J)	<0.01	0.0027 (J)	
2/14/2018						0.0038 (J)
6/26/2018	0.089	<0.01	0.0025 (J)	<0.01	0.0029 (J)	0.0045 (J)
12/18/2018	0.024 (J)	<0.01	0.0032 (J)	<0.01	0.0026 (J)	0.0038 (J)
8/27/2019	0.035 (J)	<0.01	0.0019 (J)	<0.01	0.0028 (J)	0.0039 (J)
10/15/2019	0.028 (J)	<0.01	0.002 (J)	<0.01	0.0024 (J)	0.0037 (J)
3/3/2020	0.055	<0.01	0.0013 (J)	<0.01	0.0026 (J)	0.0033 (J)
8/18/2020	0.054	<0.01	0.00095 (J)	<0.01	0.0026 (J)	0.0039 (J)
9/15/2020	0.033	<0.01	0.001 (J)	<0.01	0.0027 (J)	0.0037 (J)
3/1/2021	0.027 (J)				0.0036 (J)	
3/2/2021		<0.01	0.00081 (J)	<0.01		0.0045 (J)
9/21/2021			0.0012 (J)	<0.01		0.0037 (J)
9/22/2021	0.021 (J)	<0.01			0.0035 (J)	
2/1/2022	0.023 (J)	<0.01	0.0011 (J)	<0.01	0.0029 (J)	0.0037 (J)
8/23/2022	0.0262	<0.01	<0.01	<0.01	0.00314 (J)	0.00451 (J)
1/24/2023	0.00919 (J)	<0.01	<0.01	<0.01	0.00341 (J)	0.00529 (J)
8/22/2023	0.0209	<0.01	<0.01	<0.01	<0.01	
1/30/2024	0.00407 (J)	<0.01	<0.01	<0.01	0.00317 (J)	
8/27/2024	0.00584 (J)	<0.01	0.00337 (J)	<0.01	0.00322 (J)	
2/18/2025	0.00603 (J)	<0.01	<0.01	<0.01	<0.01	
8/26/2025	0.00708 (J)	<0.01	0.0069 (J)	<0.01	0.00358 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.01					
9/6/2016		0.0028 (J)				0.0117 (J)
9/8/2016			<0.01	0.0021 (J)	0.004 (J)	
11/16/2016	<0.01					
11/17/2016		0.0063 (J)	<0.01			
11/18/2016				<0.01		
11/21/2016					0.0039 (J)	0.0108 (J)
2/21/2017	<0.01	0.0052 (J)	<0.01	<0.01		
2/22/2017					0.0043 (J)	0.0103 (J)
6/13/2017	<0.01	0.0061 (J)	<0.01	0.0017 (J)		
6/14/2017					0.0036 (J)	0.0101 (J)
9/26/2017	<0.01	0.0087 (J)				
9/27/2017			<0.01	0.0016 (J)	0.0038 (J)	0.0116 (J)
2/14/2018	<0.01	0.0104 (J)	<0.01	0.0018 (J)	0.0034 (J)	0.0115 (J)
6/26/2018	<0.01	0.0095 (J)	<0.01			
6/27/2018				0.0016 (J)	0.0034 (J)	
6/28/2018						0.013 (J)
12/18/2018	<0.01	0.0091 (J)	<0.01		0.0032 (J)	0.014 (J)
12/20/2018				0.0015 (J)		
8/27/2019	<0.01		<0.01			0.016 (J)
8/28/2019				0.0016 (J)	0.0033 (J)	
8/29/2019		0.007 (J)				
10/15/2019	<0.01	0.0069 (J)	<0.01			
10/16/2019					0.0029 (J)	
12/4/2019				0.0014 (J)		0.013
3/3/2020	<0.01					
3/4/2020		0.0074 (J)	<0.01	0.0014 (J)	0.0029 (J)	
3/5/2020						0.016 (J)
8/18/2020	<0.01	0.0099 (J)				
8/19/2020			<0.01	0.0014 (J)	0.0029 (J)	0.018 (J)
9/15/2020	<0.01	0.011 (J)	<0.01		0.003 (J)	
9/16/2020				0.0014 (J)		0.016 (J)
3/2/2021	<0.01	0.0093 (J)	<0.01			
3/3/2021				0.0012 (J)	0.0032 (J)	0.014 (J)
9/21/2021	<0.01					
9/22/2021		0.0074 (J)				
9/28/2021			<0.01	0.0011 (J)	0.0029 (J)	0.023 (J)
2/1/2022	<0.01	0.008 (J)				
2/2/2022			<0.01			0.021 (J)
2/3/2022					0.0026 (J)	
2/4/2022				0.001 (J)		
8/23/2022	<0.01	0.00792 (J)	<0.01			
8/24/2022					0.00304 (J)	0.0238
8/25/2022				<0.01		
1/24/2023	<0.01	0.00749 (J)				
1/25/2023				<0.01		
1/26/2023			<0.01		0.00331 (J)	0.0279
8/22/2023		0.00596 (J)				0.0253
8/24/2023			<0.01	<0.01	0.00349 (J)	
1/30/2024		0.00729 (J)				0.0305
1/31/2024			<0.01	<0.01	0.00337 (J)	
8/27/2024		0.00687 (J)		<0.01	0.00305 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						0.0295
8/29/2024			<0.01			
2/18/2025		0.00934 (J)				
2/19/2025			<0.01	<0.01	<0.01	0.0301
8/26/2025				<0.01	<0.01	
8/27/2025		0.0102				0.0314
8/28/2025			<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.05					
11/21/2016	<0.05					
2/22/2017	0.0023 (J)					
6/14/2017	0.0022 (J)					
9/27/2017	0.0021 (J)					
2/14/2018	0.0023 (J)					
3/6/2018		0.0046 (J)	0.0031 (J)	0.0399 (J)		
5/1/2018		0.0049 (J)	0.0038 (J)	0.044 (J)		
6/27/2018	0.0023 (J)			0.044 (J)		
6/28/2018			0.0028 (J)			
7/31/2018			<0.25 (O)			
8/1/2018				0.039 (J)		
8/10/2018					0.0087 (J)	
8/23/2018			0.0033 (J)	0.044 (J)	0.0089 (J)	
9/19/2018			0.0033 (J)	0.043 (J)	0.005 (J)	
10/29/2018			0.003 (J)	0.039 (J)	0.0048 (J)	
11/28/2018			0.0035 (J)	0.044 (J)	0.0052 (J)	
12/19/2018	0.0018 (J)			0.043 (J)		
12/20/2018			0.003 (J)		0.0042 (J)	
1/17/2019					0.0039 (J)	
2/13/2019					<0.05	
8/27/2019	0.0022 (J)					
8/28/2019			0.0034 (J)	0.044 (J)		
8/29/2019					0.0052 (J)	
10/16/2019				0.038	0.0023 (J)	
12/3/2019			0.0033 (J)			
12/4/2019	0.0022 (J)					
3/4/2020				0.042	0.002 (J)	
3/5/2020	0.0022 (J)		0.003 (J)			
8/19/2020	0.002 (J)					
8/20/2020			0.0034 (J)	0.044	0.0022 (J)	
9/16/2020	0.0022 (J)		0.0036 (J)	0.039		
9/17/2020					0.0058 (J)	
3/2/2021			0.0043 (J)	0.044		
3/4/2021	0.002 (J)				0.003 (J)	
9/23/2021			0.0023 (J)	0.042		
9/28/2021	0.0021 (J)	0.0048 (J)			0.0035 (J)	
2/2/2022	0.0035 (J)	0.0058 (J)	0.0022 (J)	0.04	0.0041 (J)	
2/4/2022						0.007 (J)
8/23/2022				0.0474		
8/25/2022	0.0043 (J)	0.00652 (J)	<0.01		0.0162	0.00509 (J)
1/24/2023	0.007 (J)					
1/25/2023		0.00728 (J)	0.00333 (J)		0.0186	
1/26/2023				0.0506		
1/30/2023						0.0066 (J)
8/22/2023	0.00392 (J)					
8/23/2023		0.0056 (J)				0.00516 (J)
8/24/2023			<0.01	0.0532	0.0131	
1/30/2024	0.00591 (J)	0.00537 (J)		0.0484		
2/1/2024			<0.01		0.0122	0.00557 (J)
8/27/2024		0.00629 (J)				
8/28/2024	0.00514 (J)			0.0436	0.00997 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.01			0.00651 (J)
2/18/2025				0.0456		
2/19/2025	0.00514 (J)	0.00581 (J)	<0.01		0.0114	0.00669 (J)
8/26/2025	0.00383 (J)		<0.01	0.0469		
8/27/2025		0.0154			0.0154	0.00692 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.00899 (J)				
6/6/2023		0.00704 (J)			
8/23/2023	0.00399 (J)				
8/24/2023		0.00711 (J)	0.00579 (J)		
2/1/2024	0.00564 (J)	0.00702 (J)	0.00411 (J)		
8/27/2024		0.00825 (J)	0.00433 (J)		
8/29/2024	0.00633 (J)				
2/18/2025		0.00692 (J)	0.00355 (J)		
2/19/2025	<0.01				
8/27/2025	0.00448 (J)	0.00759 (J)	0.00373 (J)		<0.01
8/28/2025				<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002		
9/1/2016					<0.0002	<0.0002
11/15/2016				<0.0002	<0.0002	
11/16/2016	<0.0002	<0.0002	<0.0002			<0.0002
2/20/2017			<0.0002	8E-05 (J)	<0.0002	
2/21/2017	<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						6E-05 (J)
9/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2018	0.00021	0.00019 (J)	<0.0002	0.00013 (J)	<0.0002	
2/14/2018						5.2E-05 (J)
6/26/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
12/18/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/15/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/1/2021	<0.0002				<0.0002	
3/2/2021		<0.0002	<0.0002	<0.0002		<0.0002
9/21/2021			0.0001 (J)	0.0001 (J)		0.0001 (J)
9/22/2021	0.0001 (J)	0.0001 (J)			0.0001 (J)	
2/1/2022	<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
1/24/2023	<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	
1/30/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
8/27/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/18/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
8/26/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.0002					
9/6/2016		<0.0002				<0.0002
9/8/2016			<0.0002	<0.0002	<0.0002	
11/16/2016	<0.0002					
11/17/2016		<0.0002	<0.0002			
11/18/2016				<0.0002		
11/21/2016					<0.0002	<0.0002
2/21/2017	<0.0002	<0.0002	<0.0002	<0.0002		
2/22/2017					<0.0002	<0.0002
6/13/2017	<0.0002	<0.0002	<0.0002	5E-05 (J)		
6/14/2017					7E-05 (J)	7E-05 (J)
9/26/2017	<0.0002	<0.0002				
9/27/2017			4E-05 (J)	4.7E-05 (J)	4E-05 (J)	4E-05 (J)
2/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/26/2018	<0.0002	<0.0002	<0.0002			
6/27/2018				<0.0002	<0.0002	
6/28/2018						<0.0002
12/18/2018	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
12/20/2018				<0.0002		
8/27/2019	<0.0002		<0.0002			<0.0002
8/28/2019				<0.0002	<0.0002	
8/29/2019		<0.0002				
8/18/2020	<0.0002	<0.0002				
8/19/2020			8.3E-05 (J)	<0.0002	9.8E-05 (J)	8.2E-05 (J)
9/15/2020	<0.0002	<0.0002	<0.0002		<0.0002	
9/16/2020				<0.0002		<0.0002
3/2/2021	<0.0002	<0.0002	<0.0002			
3/3/2021				<0.0002	<0.0002	<0.0002
9/21/2021	0.0001 (J)					
9/22/2021		0.0001 (J)				
9/28/2021			<0.0002	<0.0002	<0.0002	<0.0002
2/1/2022	<0.0002	<0.0002				
2/2/2022			<0.0002			<0.0002
2/3/2022					<0.0002	
2/4/2022				<0.0002		
8/23/2022	<0.0002	<0.0002	<0.0002			
8/24/2022					<0.0002	<0.0002
8/25/2022				<0.0002		
1/24/2023	<0.0002	<0.0002				
1/25/2023				<0.0002		
1/26/2023			<0.0002		<0.0002	<0.0002
8/22/2023		<0.0002				<0.0002
8/24/2023			<0.0002	<0.0002	<0.0002	
1/30/2024		<0.0002				<0.0002
1/31/2024			<0.0002	<0.0002	0.00078	
8/27/2024		<0.0002		<0.0002	<0.0002	
8/28/2024						<0.0002
8/29/2024			<0.0002			
2/18/2025		<0.0002				
2/19/2025			<0.0002	<0.0002	0.000384	<0.0002
8/26/2025				<0.0002	<0.0002	
8/27/2025		<0.0002				<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2025			<0.0002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.0002					
11/21/2016	<0.0002					
2/22/2017	<0.0002					
6/14/2017	9E-05 (J)					
9/27/2017	0.0001 (J)					
2/14/2018	<0.0002					
3/6/2018		<0.0002	<0.0002	<0.0002		
5/1/2018		<0.0002	<0.0002	<0.0002		
6/27/2018	<0.0002			<0.0002		
6/28/2018			<0.0002			
7/31/2018			<0.0002			
8/1/2018				<0.0002		
8/10/2018					<0.0002	
8/23/2018			<0.0002	<0.0002	<0.0002	
9/19/2018			<0.0002	<0.0002	<0.0002	
10/29/2018			<0.0002	<0.0002	<0.0002	
11/28/2018			<0.0002	<0.0002	<0.0002	
12/19/2018	<0.0002			<0.0002		
12/20/2018			<0.0002		<0.0002	
1/17/2019					<0.0002	
2/13/2019					<0.0002	
8/27/2019	<0.0002					
8/28/2019			<0.0002	<0.0002		
8/29/2019					<0.0002	
8/19/2020	8.2E-05 (J)					
8/20/2020			<0.0002	<0.0002	<0.0002	
9/16/2020	<0.0002		<0.0002	<0.0002		
9/17/2020					<0.0002	
3/2/2021			<0.0002	<0.0002		
3/4/2021	<0.0002				<0.0002	
9/23/2021			<0.0002	<0.0002		
9/28/2021	<0.0002	<0.0002			<0.0002	
2/2/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/4/2022						<0.0002
8/23/2022				<0.0002		
8/25/2022	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
1/24/2023	<0.0002					
1/25/2023		<0.0002	<0.0002		<0.0002	
1/26/2023				<0.0002		
1/30/2023						<0.0002
8/22/2023	<0.0002					
8/23/2023		<0.0002				<0.0002
8/24/2023			<0.0002	<0.0002	<0.0002	
1/30/2024	<0.0002	<0.0002		<0.0002		
2/1/2024			<0.0002		<0.0002	<0.0002
8/27/2024		<0.0002				
8/28/2024	<0.0002			<0.0002	<0.0002	
8/29/2024			<0.0002			<0.0002
2/18/2025				<0.0002		
2/19/2025	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
8/26/2025	<0.0002		<0.0002	<0.0002		
8/27/2025		<0.0002			<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.0002				
6/6/2023		<0.0002			
8/23/2023	<0.0002				
8/24/2023		<0.0002	<0.0002		
2/1/2024	<0.0002	<0.0002	<0.0002		
8/27/2024		<0.0002	<0.0002		
8/29/2024	<0.0002				
2/18/2025		0.000121 (J)	<0.0002		
2/19/2025	<0.0002				
8/27/2025	<0.0002	<0.0002	<0.0002		<0.0002
8/28/2025				<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0021 (J)	<0.001	0.004 (J)	<0.001		
9/1/2016					<0.001	0.002 (J)
11/15/2016				<0.001	<0.001	
11/16/2016	<0.01	<0.001	0.0038 (J)			<0.01
2/20/2017			0.0055 (J)	<0.001	<0.001	
2/21/2017	0.0021 (J)	<0.001				<0.01
6/12/2017	0.0021 (J)		0.005 (J)	<0.001	<0.001	
6/13/2017		<0.001				
6/14/2017						<0.01
9/26/2017	0.0011 (J)	<0.001	0.0053 (J)	<0.001	<0.001	<0.01
2/13/2018	0.0019 (J)	<0.001	0.008 (J)	<0.001	<0.001	
2/14/2018						<0.01
6/26/2018	<0.01	<0.001	0.0041 (J)	<0.001	<0.001	<0.01
12/18/2018	<0.01	<0.001	0.0048 (J)	<0.001	<0.001	<0.01
8/27/2019	<0.01	<0.001	0.0028 (J)	<0.001	<0.001	<0.01
10/15/2019	<0.01	<0.001	0.0035 (J)	<0.001	<0.001	<0.01
3/3/2020	<0.01	<0.001	0.0023 (J)	<0.001	<0.001	
8/18/2020	0.0011 (J)	<0.001	0.0015 (J)	<0.001	<0.001	<0.01
9/15/2020	0.0007 (J)	<0.001	0.0015 (J)	<0.001	<0.001	<0.01
3/1/2021	<0.01				<0.001	
3/2/2021		<0.001	0.0015 (J)	<0.001		<0.01
9/21/2021			0.002 (J)	<0.001		<0.01
9/22/2021	0.0012 (J)	<0.001			<0.001	
2/1/2022	0.0013 (J)	<0.001	0.002 (J)	<0.001	<0.001	<0.01
8/23/2022	0.0024	<0.001	0.00151	<0.001	<0.001	0.000413 (J)
1/24/2023	0.000601 (J)	<0.001	0.00192	<0.001	<0.001	0.000388 (J)
8/22/2023	0.00169	<0.001	0.000953 (J)	<0.001	<0.001	
1/30/2024	0.000362 (J)	<0.001	0.00143	<0.001	<0.001	
8/27/2024	0.000313 (J)	<0.001	0.00134	<0.001	<0.001	
2/18/2025	0.000375 (J)	<0.001	0.00141	<0.001	<0.001	
8/26/2025	0.000324 (J)	<0.001	0.00106	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.001					
9/6/2016		0.0028 (J)				<0.01
9/8/2016			<0.01	<0.001	<0.001	
11/16/2016	<0.001					
11/17/2016		<0.001	<0.01			
11/18/2016				<0.001		
11/21/2016					<0.001	<0.01
2/21/2017	<0.001	<0.001	<0.01	<0.001		
2/22/2017					<0.001	<0.01
6/13/2017	<0.001	<0.001	<0.01	<0.001		
6/14/2017					<0.001	<0.01
9/26/2017	<0.001	<0.001				
9/27/2017			<0.01	<0.001	<0.001	<0.01
2/14/2018	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
6/26/2018	<0.001	<0.001	<0.01			
6/27/2018				<0.001	<0.001	
6/28/2018						<0.01
12/18/2018	<0.001	<0.001	<0.01		<0.001	<0.01
12/20/2018				<0.001		
8/27/2019	<0.001		<0.01			<0.01
8/28/2019				<0.001	<0.001	
8/29/2019		<0.001				
10/15/2019	<0.001	<0.001	<0.01			
10/16/2019					<0.001	
12/4/2019				<0.001		<0.01
8/18/2020	<0.001	<0.001				
8/19/2020			0.00081 (J)	<0.001	<0.001	0.00078 (J)
9/15/2020	<0.001	<0.001	0.0008 (J)		<0.001	
9/16/2020				<0.001		0.0022 (J)
3/2/2021	<0.001	<0.001	0.001 (J)			
3/3/2021				<0.001	<0.001	<0.01
9/21/2021	<0.001					
9/22/2021		<0.001				
9/28/2021			0.00089 (J)	<0.001	<0.001	0.001 (J)
2/1/2022	<0.001	<0.001				
2/2/2022			0.0011 (J)			0.0012 (J)
2/3/2022					<0.001	
2/4/2022				<0.001		
8/23/2022	<0.001	<0.001	0.00105			
8/24/2022					<0.001	0.00141
8/25/2022				<0.001		
1/24/2023	<0.001	<0.001				
1/25/2023				<0.001		
1/26/2023			0.00092 (J)		<0.001	0.0014
8/22/2023		<0.001				0.00111
8/24/2023			0.00141	<0.001	<0.001	
1/30/2024		0.000217 (J)				0.00137
1/31/2024			0.0014	0.000213 (J)	<0.001	
8/27/2024		0.000225 (J)		0.000211 (J)	<0.001	
8/28/2024						0.00123
8/29/2024			0.00123			
2/18/2025		0.000273 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
2/19/2025			0.00082 (J)	<0.001	<0.001	0.00128
8/26/2025				0.000512 (J)	<0.001	
8/27/2025		0.000415 (J)				0.00119
8/28/2025			0.00143			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.001					
11/21/2016	<0.001					
2/22/2017	<0.001					
6/14/2017	<0.001					
9/27/2017	<0.001					
2/14/2018	<0.001					
3/6/2018		<0.001	<0.001	<0.01		
5/1/2018		<0.001	<0.001	<0.01		
6/27/2018	<0.001			<0.01		
6/28/2018			<0.001			
7/31/2018			<0.001			
8/1/2018				<0.01		
8/10/2018					0.0032 (J)	
8/23/2018			<0.001	<0.01	0.005 (J)	
9/19/2018			<0.001	<0.01	0.0061 (J)	
10/29/2018			<0.001	<0.01	0.0065 (J)	
11/28/2018			<0.001	<0.01	0.0027 (J)	
12/19/2018	<0.001			<0.01		
12/20/2018			<0.001		<0.01	
1/17/2019					<0.01	
2/13/2019					<0.01	
8/27/2019	<0.001					
8/28/2019			<0.001	<0.01		
8/29/2019					<0.01	
10/16/2019				<0.01	<0.01	
12/3/2019			<0.001			
12/4/2019	<0.001					
8/19/2020	<0.001					
8/20/2020			0.00076 (J)	<0.01	0.0012 (J)	
9/16/2020	<0.001		<0.001	<0.01		
9/17/2020					0.0007 (J)	
3/2/2021			<0.001	<0.01		
3/4/2021	<0.001				0.001 (J)	
9/23/2021			<0.001	<0.01		
9/28/2021	<0.001	<0.001			<0.01	
2/2/2022	<0.001	<0.001	<0.001	<0.01	<0.01	
2/4/2022						0.00092 (J)
8/23/2022				0.000296 (J)		
8/25/2022	<0.001	<0.001	0.000424 (J)		0.000471 (J)	0.000741 (J)
1/24/2023	<0.001					
1/25/2023		<0.001	0.000545 (J)		0.000609 (J)	
1/26/2023				0.00027 (J)		
1/30/2023						0.000803 (J)
8/22/2023	<0.001					
8/23/2023		<0.001				0.000539 (J)
8/24/2023			0.000356 (J)	0.000296 (J)	0.000782 (J)	
1/30/2024	<0.001	<0.001		0.00028 (J)		
2/1/2024			<0.001		0.000564 (J)	0.0007 (J)
8/27/2024		<0.001				
8/28/2024	<0.001			0.000252 (J)	0.000691 (J)	
8/29/2024			0.000207 (J)			0.000827 (J)
2/18/2025				0.000295 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	<0.001	<0.001	0.000261 (J)		0.000826 (J)	0.000765 (J)
8/26/2025	<0.001		<0.001	0.000245 (J)		
8/27/2025		<0.001			0.000863 (J)	0.000704 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.0111				
6/6/2023		0.00276			
8/23/2023	0.00625				
8/24/2023		0.000597 (J)	<0.001		
2/1/2024	0.00598	<0.001	<0.001		
8/27/2024		<0.001	<0.001		
8/29/2024	0.00702				
2/18/2025		<0.001	<0.001		
2/19/2025	0.00612				
8/27/2025	0.00499	<0.001	<0.001		0.000299 (J)
8/28/2025				0.00262	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	7.16	6.2	6.53	6.59		
9/1/2016					6.49	6.71
11/15/2016				6.67	6.59	
11/16/2016	6.96	6.12	6.4			6.15
2/20/2017			6.44	6.65	6.61	
2/21/2017	7.15	6.24				6.52
6/12/2017	7.31		6.4	6.64		
6/13/2017		6.19				
6/14/2017						6.51
9/26/2017	7.02	6.15	6.31	6.58	6.47	6.42
2/13/2018	7.44	6.18	6.62	6.72	6.54	
2/14/2018						6.48
6/26/2018	6.93	6.05	6.29	6.43	6.23	6.2
7/31/2018						6.37
12/18/2018	6.76	5.92	6.57	6.7	6.71	6.5
3/19/2019	6.87	6.18	6.45	6.63	6.18	6.28
8/27/2019	6.79	6.09	6.37	6.49	6.35	6.35
10/15/2019	6.57	6.06	6.77	7.01	6.36	6.8
3/3/2020	6.71	6.1	6.29	6.49	6.59	6.33
8/18/2020	6.59	6.06	6.29	6.41	6.33	6.25
9/15/2020	6.64	6.01	6.27	6.25	6.43	6.01
3/1/2021	6.66				6.7	
3/2/2021		6.2	6.47	6.42		6.11
9/21/2021			6.32	6.36		6.53
9/22/2021	6.78	6.06			6.48	
2/1/2022	6.83	5.95	6.38	6.39	6.54	6.4
8/23/2022	6.67	5.95	6.24	6.36	6.51	6.39
10/12/2022		5.69				
1/24/2023	6.7	5.26	6.42	6.47	6.54	6.48
8/22/2023	6.95	5.96	6.24	6.08	6.09	
10/30/2023	6.22	5.5			6.28	
1/30/2024	6.57	6.05	6.44	6.38	5.75	
8/27/2024	6.6	6.02	6.56	6.65	6.8	
2/18/2025	6.42	5.88	6.17	6.42	6.38	
8/26/2025	6.39	5.79	6.42	6.43	6.47	

Time Series

Constituent: pH, Field (SU) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	6					
9/6/2016		6.49				6.23
9/8/2016			6.07	5.51	4.62	
11/16/2016	6					
11/17/2016		5.79	5.96			
11/18/2016				5.53		
11/21/2016					4.44	6.23
2/21/2017	6.09	6.15	5.98	5.63		
2/22/2017					4.42	6.16
6/13/2017	6.03	5.87	5.96	5.57		
6/14/2017					4.45	6.16
9/26/2017	5.85	5.82				
9/27/2017			5.85	5.53	4.33	6.16
2/14/2018	5.99	5.83	5.94	5.83	4.42	6.24
6/26/2018	5.86	5.73	5.87			
6/27/2018				5.53	4.37	
6/28/2018						6.21
7/31/2018	5.99					
12/18/2018	6.08	5.78	5.84		4.38	6.18
12/20/2018				5.78		
3/19/2019	5.71	5.28		5.75		
3/20/2019			6.03		4.4	6.24
8/27/2019	6		6.01			6.17
8/28/2019				5.51	4.39	
8/29/2019		5.64				
10/15/2019	6.61	5.7	6			
10/16/2019					4.79	
10/17/2019				6.01		6.43
12/4/2019				5.71		6.18
3/3/2020	5.94					
3/4/2020		5.7	6.02	5.8	4.5	
3/5/2020						5.99
8/18/2020	5.95	5.56				
8/19/2020			6.32	5.81	4.67	6.36
9/15/2020	6	5.72	6		4.53	
9/16/2020				5.81		6.29
3/2/2021	5.92	5.75	6.1			
3/3/2021				5.9	4.46	6.29
9/21/2021	5.87					
9/22/2021		5.72				
9/28/2021			5.97	5.82	4.23	6.33
2/1/2022	5.81	5.65				
2/2/2022			6.23			6.34
2/3/2022					4.23	
2/4/2022				5.97		
8/23/2022	5.9	5.66	6.11			
8/24/2022					4.39	6.38
8/25/2022				6.03		
1/24/2023	5.97	5.76				
1/25/2023				5.63		
1/26/2023			6.18		4.3	6.28
4/24/2023		5.56	6.25			

Time Series

Constituent: pH, Field (SU) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/22/2023		5.89				6.44
8/24/2023			6.14	6.01	4.48	
1/30/2024		5.87				6.39
1/31/2024			6.31	5.83	4.37	
5/8/2024				6.08		
8/27/2024		5.92		5.95	4.47	
8/28/2024						6.49
8/29/2024			6.52			
2/18/2025		5.8				
2/19/2025			6.13	5.44	3.91	6.37
8/26/2025				5.79	4.52	
8/27/2025		6				6.3
8/28/2025			6.34			

Time Series

Constituent: pH, Field (SU) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	5.89					
11/21/2016	5.56					
2/22/2017	5.87					
6/14/2017	5.83					
9/27/2017	5.87					
2/14/2018	6.01					
3/6/2018		6.1	6.15	6		
3/15/2018			5.26			
5/1/2018		6.12	6.14	5.85		
6/27/2018	5.83			5.87		
6/28/2018			5.88			
7/31/2018			6.07			
8/1/2018				5.79		
8/10/2018					6.28	
8/23/2018					6.75	
9/19/2018			5.9	5.71	6.48	
10/29/2018			5.93	5.76	6.77	
11/28/2018			5.99	5.74	6.44	
12/19/2018	5.79			5.8		
12/20/2018			6.04		6.75	
1/17/2019					6.41	
2/13/2019					6.42	
3/19/2019				5.89		
3/20/2019	5.88		6.1		6.59	
8/27/2019	5.85					
8/28/2019			5.86	5.74		
8/29/2019					6.27	
10/16/2019				5.9	7	
10/17/2019	6.09		5.93			
12/3/2019			5.94			
12/4/2019	5.83					
3/4/2020				5.76	6.54	
3/5/2020	5.74		5.95			
5/12/2020	5.88					
8/19/2020	5.97					
8/20/2020			5.86	5.75	6.85	
9/16/2020	5.79		5.27	5.76		
9/17/2020					6.12	
3/2/2021			6.17	5.59		
3/4/2021	5.98				5.87	
9/23/2021			5.95	5.74		
9/28/2021	5.82	6.22			6.81	
2/2/2022	5.99	6.2	5.92	5.75	6.35	
2/4/2022						5.89
8/23/2022				5.61		
8/25/2022	6.06	6.06	5.74		6.21	5.65
1/24/2023	6.05					
1/25/2023		6.13	5.82		6.25	
1/26/2023				5.65		
1/30/2023						5.66
4/24/2023			5.9		6.63	
4/25/2023		6.24		5.64		5.59

Time Series

Constituent: pH, Field (SU) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
5/30/2023	5.73					
8/22/2023	5.98					
8/23/2023		6.11				5.68
8/24/2023			5.71	5.69	6.24	
10/30/2023		5.73				
1/30/2024	5.98	6.18		5.73		
2/1/2024			5.85		6.3	5.7
5/8/2024	5.93					
8/27/2024		6.19				
8/28/2024	6.05			5.57	6.49	
8/29/2024			6.26			5.7
2/18/2025				5.73		
2/19/2025	6.11	6.2	5.78		6.26	5.59
8/26/2025	6.14		5.8	5.79		
8/27/2025		5.95			6.19	5.57

Time Series

Constituent: pH, Field (SU) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	7.28				
6/6/2023		5.83			
7/5/2023			5.68		
8/23/2023	7.41				
8/24/2023		5.89	5.76		
2/1/2024	7.41	6.09	5.92		
8/27/2024		5.89	5.63		
8/29/2024	7.36				
2/18/2025		6.03	5.84		
2/19/2025	7.23				
8/27/2025	7.37	6.01	5.77		5.8
8/28/2025				6.78	

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.005	<0.005	<0.005	<0.005		
9/1/2016					<0.005	<0.005
11/15/2016				<0.005	<0.005	
11/16/2016	<0.005	<0.005	<0.005			<0.005
2/20/2017			<0.005	<0.005	<0.005	
2/21/2017	<0.005	<0.005				<0.005
6/12/2017	<0.005		<0.005	<0.005	<0.005	
6/13/2017		<0.005				
6/14/2017						<0.005
9/26/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005	
2/14/2018						<0.005
6/26/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
12/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/15/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/3/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/1/2021	<0.005				<0.005	
3/2/2021		<0.005	<0.005	<0.005		<0.005
9/21/2021			<0.005	<0.005		<0.005
9/22/2021	<0.005	<0.005			<0.005	
2/1/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005	<0.005	
1/30/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
8/27/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
2/18/2025	<0.005	<0.005	<0.005	<0.005	<0.005	
8/26/2025	<0.005	<0.005	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.005					
9/6/2016		<0.005				<0.005
9/8/2016			<0.005	0.0043 (J)	0.0039 (J)	
11/16/2016	<0.005					
11/17/2016		0.0052 (J)	<0.005			
11/18/2016				0.0047 (J)		
11/21/2016					0.0058 (J)	<0.005
2/21/2017	<0.005	0.0018 (J)	<0.005	0.0025 (J)		
2/22/2017					0.005 (J)	<0.005
6/13/2017	<0.005	<0.005	<0.005	0.0036 (J)		
6/14/2017					0.0074 (J)	0.0045 (J)
9/26/2017	<0.005	<0.005				
9/27/2017			<0.005	0.004 (J)	0.0068 (J)	0.0034 (J)
2/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/26/2018	<0.005	0.0036 (J)	<0.005			
6/27/2018				0.0014 (J)	<0.005	
6/28/2018						<0.005
12/18/2018	<0.005	0.0044 (J)	<0.005		<0.005	<0.005
12/20/2018				<0.005		
8/27/2019	<0.005		<0.005			0.0038 (J)
8/28/2019				0.0017 (J)	<0.005	
8/29/2019		0.0023 (J)				
10/15/2019	<0.005	0.0022 (J)	<0.005			
10/16/2019					<0.005	
12/4/2019				0.0036 (J)		0.0018 (J)
3/3/2020	<0.005					
3/4/2020		0.0019 (J)	<0.005	0.0022 (J)	0.0018 (J)	
3/5/2020						<0.005
8/18/2020	<0.005	0.0033 (J)				
8/19/2020			<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	0.0028 (J)	<0.005		<0.005	
9/16/2020				0.0042 (J)		<0.005
3/2/2021	<0.005	0.006	0.0021 (J)			
3/3/2021				0.0031 (J)	0.0042 (J)	<0.005
9/21/2021	<0.005					
9/22/2021		0.0016 (J)				
9/28/2021			<0.005	<0.005	0.0022 (J)	<0.005
2/1/2022	<0.005	0.002 (J)				
2/2/2022			<0.005			<0.005
2/3/2022					<0.005	
2/4/2022				<0.005		
8/23/2022	<0.005	<0.005	<0.005			
8/24/2022					<0.005	<0.005
8/25/2022				<0.005		
1/24/2023	<0.005	<0.005				
1/25/2023				<0.005		
1/26/2023			<0.005		<0.005	<0.005
8/22/2023		<0.005				<0.005
8/24/2023			<0.005	<0.005	<0.005	
1/30/2024		<0.005				<0.005
1/31/2024			<0.005	<0.005	0.00229 (J)	
8/27/2024		<0.005		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.005
8/29/2024			<0.005			
2/18/2025		0.0024 (J)				
2/19/2025			0.00217 (J)	0.00309 (J)	0.0045 (J)	0.00316 (J)
8/26/2025				0.00256 (J)	0.00465 (J)	
8/27/2025		<0.005				<0.005
8/28/2025			<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.01					
11/21/2016	<0.01					
2/22/2017	0.0017 (J)					
6/14/2017	<0.01					
9/27/2017	0.0019 (J)					
2/14/2018	<0.01					
3/6/2018		<0.005	<0.005	<0.005		
5/1/2018		<0.005	<0.005	<0.005		
6/27/2018	0.0017 (J)			<0.005		
6/28/2018			<0.005			
7/31/2018			<0.005			
8/1/2018				0.0015 (J)		
8/10/2018					<0.005	
8/23/2018			<0.005	0.0024 (J)	<0.005	
9/19/2018			<0.005	0.002 (J)	<0.005	
10/29/2018			<0.005	<0.005	<0.005	
11/28/2018			<0.005	<0.005	<0.005	
12/19/2018	0.0059 (J)			<0.005		
12/20/2018			<0.005		<0.005	
1/17/2019					<0.005	
2/13/2019					<0.005	
8/27/2019	0.057					
8/28/2019			<0.005	<0.005		
8/29/2019					<0.005	
10/16/2019				0.0017 (J)	<0.005	
12/3/2019			0.0029 (J)			
12/4/2019	0.1					
3/4/2020				<0.005	<0.005	
3/5/2020	0.1		<0.005			
5/12/2020	0.0989					
8/19/2020	0.099					
8/20/2020			<0.005	0.0016 (J)	<0.005	
9/16/2020	0.12		<0.005	0.002 (J)		
9/17/2020					<0.005	
3/2/2021			<0.005	0.0028 (J)		
3/4/2021	0.14				<0.005	
9/23/2021			<0.005	<0.005		
9/28/2021	0.13	<0.005			<0.005	
2/2/2022	0.21	<0.005	<0.005	<0.005	<0.005	
2/4/2022						<0.005
8/23/2022				<0.005		
8/25/2022	0.218	<0.005	<0.005		<0.005	<0.005
1/24/2023	0.198					
1/25/2023		<0.005	<0.005		<0.005	
1/26/2023				<0.005		
1/30/2023						<0.005
5/30/2023	0.189					
8/22/2023	0.21					
8/23/2023		<0.005				<0.005
8/24/2023			<0.005	<0.005	<0.005	
1/30/2024	0.17	<0.005		<0.005		
2/1/2024			<0.005		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/27/2024		<0.005				
8/28/2024	0.0945			<0.005	<0.005	
8/29/2024			<0.005			<0.005
2/18/2025				<0.005		
2/19/2025	0.0782	0.00202 (J)	0.00237 (J)		0.00198 (J)	0.00262 (J)
8/26/2025	0.0694		<0.005	0.00175 (J)		
8/27/2025		<0.005			<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.005				
6/6/2023		0.0237			
7/5/2023			0.0732		
8/23/2023	<0.005				
8/24/2023		0.0423	0.0696		
2/1/2024	<0.005	0.0489	0.0954		
8/27/2024		0.0597	0.106		
8/29/2024	<0.005				
2/18/2025		0.0622	0.122		
2/19/2025	0.00205 (J)				
8/27/2025	<0.005	0.0696	0.128		<0.005
8/28/2025				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	7.5	0.38 (J)	2.7	0.81 (J)		
9/1/2016					0.6 (J)	2.7
11/15/2016				0.87 (J)	0.49 (J)	
11/16/2016	6.6	0.36 (J)	3.4			3.6
2/20/2017			3.9	1	0.98 (J)	
2/21/2017	6.1	1.5				3
6/12/2017	5		3.7	0.94 (J)	0.54 (J)	
6/13/2017		0.67 (J)				
6/14/2017						2.6
9/26/2017	5.4	0.62 (J)	4.1	0.92 (J)	0.53 (J)	2.5
2/13/2018	4.7 (J)	<1	6.6	<1	<1	
2/14/2018						2.1 (J)
6/26/2018	6.2	0.69 (J)	3.5	0.91 (J)	0.54 (J)	2
7/31/2018						1.9
12/18/2018	5.9	0.72 (J)	4.3	0.68 (J)	0.39 (J)	2.1
3/19/2019	6	0.78 (J)	3	0.74 (J)	0.68 (J)	2.2
10/15/2019	5.2	0.47 (J)	3.8	0.68 (J)	0.48 (J)	1.9
3/3/2020	7.1	0.93 (J)	2.8	0.71 (J)	2.5	1.8
9/15/2020	5.9	<1	1.7	<1	<1	1.7
3/1/2021	4.7				0.74 (J)	
3/2/2021		<1	2.2	<1		1.7
9/21/2021			2.3	<1		1.7
9/22/2021	5.2	<1			<1	
2/1/2022	5.4	<1	2	<1	<1	1.4
8/23/2022	5.66	0.452	2.21	0.521	0.479	1.84
1/24/2023	3.58	0.465	3.34	0.66	0.484	1.8
8/22/2023	6.85	0.526	1.83	0.54	0.467	
1/30/2024	2.65	0.423	2.74	0.617	0.456	
8/27/2024	2.58	0.444	2.67	0.652	0.465	
2/18/2025	3.07	0.341 (J)	3.16	0.543	0.468	
8/26/2025	2.9	0.435	3.13	0.585	0.485	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	1.7					
9/6/2016		38				310
9/8/2016			280	300	460	
11/16/2016	1.2					
11/17/2016		84	200			
11/18/2016				320		
11/21/2016					500	300
2/21/2017	1.1	39	360	270		
2/22/2017					570	280
6/13/2017	1.1	35	290	230		
6/14/2017					440	290
9/26/2017	1.3	89				
9/27/2017			310	260	380	260
2/14/2018	<1	82.2	260	232	280	250
6/26/2018	0.84 (J)	84.2	231			
6/27/2018				205	281	
6/28/2018						276
7/31/2018	0.63 (J)					
12/18/2018	0.66 (J)	83.4	231		293	440
12/20/2018				200		
3/19/2019	0.75 (J)	65		199		
3/20/2019			240		278	623
10/15/2019	0.61 (J)	30	174			
10/16/2019					266	
12/4/2019				241		327
3/3/2020	0.51 (J)					
3/4/2020		38.6	165	205	238	
3/5/2020						369
9/15/2020	<1	41.5	126		241	
9/16/2020				190		334
3/2/2021	0.51	54	139			
3/3/2021				172	341	371
9/21/2021	0.51 (J)					
9/22/2021		34.6				
9/28/2021			112	137	250	612
2/1/2022	<1	36.8				
2/2/2022			117			580
2/3/2022					274	
2/4/2022				172		
8/23/2022	0.636	24.4	158			
8/24/2022					298	935
8/25/2022				176		
1/24/2023	0.628	19.7				
1/25/2023				150		
1/26/2023			182		293	1030
8/22/2023		11.3				1250
8/24/2023			174	94.5	288	
1/30/2024		10.4				1210
1/31/2024			169	155	328	
5/8/2024				196		
8/27/2024		9.73		174	261	
8/28/2024						1260

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			216			
2/18/2025		13.6				
2/19/2025			204	134	346	1310
8/26/2025				146	309	
8/27/2025		11.5				1290
8/28/2025			201			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	370					
11/21/2016	420					
2/22/2017	380					
6/14/2017	400					
9/27/2017	400					
2/14/2018	383					
3/6/2018		51.8	111	1560		
5/1/2018		51	112	1560		
6/27/2018	372			1450		
6/28/2018			109			
7/31/2018			107			
8/1/2018				1560		
8/10/2018					183	
8/23/2018			108	1470	145	
9/19/2018			117	1500	178	
10/29/2018			127	1720	157	
11/28/2018			133	1730	189	
12/19/2018	370			1520		
12/20/2018			113		150	
1/17/2019					157	
2/13/2019					169	
3/19/2019				1100		
3/20/2019	409		127		180	
10/16/2019				1560	155	
12/3/2019			105			
12/4/2019	293					
3/4/2020				1380	129	
3/5/2020	269		106			
9/16/2020	255		103	1360		
9/17/2020					165	
3/2/2021			98.3	1360		
3/4/2021	185				114	
9/23/2021			97.5	1240		
9/28/2021	189	47.2			132	
2/2/2022	210	45.3	90.1	1170	126	
2/4/2022						195
8/23/2022				1410		
8/25/2022	254	47	114		142	234
1/24/2023	247					
1/25/2023		41	102		145	
1/26/2023				1310		
1/30/2023						280
8/22/2023	256					
8/23/2023		49.5				294
8/24/2023			114	1300	150	
1/30/2024	246	42.4		1360		
2/1/2024			110		145	352
5/8/2024	233					
8/27/2024		41.8				
8/28/2024	201			1310	150	
8/29/2024			150			344
2/18/2025				1340		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	196	41.1	169		149	403
8/26/2025	166		277	1220		
8/27/2025		42			150	436

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	258				
6/6/2023		304			
7/5/2023			267		
8/23/2023	298				
8/24/2023		309	275		
2/1/2024	279	306	304		
8/27/2024		260	257		
8/29/2024	280				
2/18/2025		268	273		
2/19/2025	308				
8/27/2025	288	252	263		301
8/28/2025				29.3	

Time Series

Constituent: TDS (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	151	88	138	154		
9/1/2016					299 (O)	142
11/15/2016				123	41	
11/16/2016	69	41	77			100
2/20/2017			170	158	133	
2/21/2017	68	<25				71
6/12/2017	161		132	142	61	
6/13/2017		53				
6/14/2017						140
9/26/2017	167	45	108	138	29	149
2/13/2018	165	63	141	150	61	
2/14/2018						137
6/26/2018	188	71	133	154	71	142
7/31/2018						133
12/18/2018	145	78	138	147	70	135
3/19/2019	154	68	130	146	72	132
10/15/2019	140	66	175	144	63	134
3/3/2020	155	41	<10	130	54	115
9/15/2020	116	69	100	116	79	95
3/1/2021	98				39	
3/2/2021		43	80	96		93
9/21/2021			108	104		117
9/22/2021	129	66			62	
2/1/2022	126	72	129	124	61	114
8/23/2022	117	45	107	101	52	104
1/24/2023	93	63	124	104	64	114
8/22/2023	81	36	80	73	30	
1/30/2024	98	54	118	113	45	
8/27/2024	82	51	107	101	57	
2/18/2025	84	44	106	92	46	
8/26/2025	89	76	123	115	48	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	69					
9/6/2016		146				505
9/8/2016			460	478	654	
11/16/2016	100					
11/17/2016		211	611			
11/18/2016				503		
11/21/2016					819	515
2/21/2017	37	151	497	380		
2/22/2017					721	504
6/13/2017	84	130	474	354		
6/14/2017					661	536
9/26/2017	68	160				
9/27/2017			457	376	518	432
2/14/2018	138	194	431	503	487	448
6/26/2018	90	221	414			
6/27/2018				458	648	
6/28/2018						494
7/31/2018	83					
12/18/2018	85	208	401		407	715
12/20/2018				344		
3/19/2019	82	161		334		
3/20/2019			412		391	885
10/15/2019	89	124	380			
10/16/2019					2030	
12/4/2019				422		612
3/3/2020	72					
3/4/2020		118	330	326	391	
3/5/2020						681
9/15/2020	60	109	272		281	
9/16/2020				301		634
3/2/2021	43	105	280			
3/3/2021				288	515	690
9/21/2021	56					
9/22/2021		128				
9/28/2021			270	262	457	1050
2/1/2022	63	130				
2/2/2022			283			1110
2/3/2022					419	
2/4/2022				301		
8/23/2022	55	103	315			
8/24/2022					383	1540
8/25/2022				311		
1/24/2023	59	102				
1/25/2023				260		
1/26/2023			339		419	1680
8/22/2023		70				1920
8/24/2023			354	309	418	
1/30/2024		85				1970
1/31/2024			391	299	535	
5/8/2024				371		
8/27/2024		86		346	424	
8/28/2024						2030

Time Series

Constituent: TDS (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			492			
2/18/2025		104				
2/19/2025			419	222	519	2120
8/26/2025				275	503	
8/27/2025		107				2200
8/28/2025			443			

Time Series

Constituent: TDS (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	607					
11/21/2016	695					
2/22/2017	635					
6/14/2017	635					
9/27/2017	601					
2/14/2018	628					
3/6/2018		191	346	2200		
5/1/2018		189	374	2080		
6/27/2018	2280			31 (O)		
6/28/2018			333			
7/31/2018			393			
8/1/2018				2190		
8/10/2018					344	
8/23/2018			350	2160	333	
9/19/2018			353	2160	364	
10/29/2018			329	2130	334	
11/28/2018			358	2320	357	
12/19/2018	605			2060		
12/20/2018			322		355	
1/17/2019					347	
2/13/2019					350	
3/19/2019				2050		
3/20/2019	564		302		366	
10/16/2019				2220	346	
12/3/2019			362			
12/4/2019	526					
3/4/2020				2140	351	
3/5/2020	489		297			
9/16/2020	428		275	2090		
9/17/2020					329	
3/2/2021			264	1680		
3/4/2021	350				383	
9/23/2021			277	1770		
9/28/2021	375	181			336	
2/2/2022	443	181	276	1850	160	
2/4/2022						403
8/23/2022				2060		
8/25/2022	437	167	248		296	419
1/24/2023	425					
1/25/2023		156	251		276	
1/26/2023				2010		
1/30/2023						448
8/22/2023	412					
8/23/2023		184				503
8/24/2023			242	1970	281	
1/30/2024	418	179		2160		
2/1/2024			255		303	561
5/8/2024	363					
8/27/2024		180				
8/28/2024	374			1780	310	
8/29/2024			353			625
2/18/2025				1960		

Time Series

Constituent: TDS (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	351	131	348		298	664
8/26/2025	309		527	1940		
8/27/2025		176			308	712

Time Series

Constituent: TDS (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	525				
6/6/2023		523			
7/5/2023			487		
8/23/2023	597				
8/24/2023		506	430		
2/1/2024	583	536	450		
8/27/2024		519	467		
8/29/2024	601				
2/18/2025		471	476		
2/19/2025	568				
8/27/2025	591	472	496		501
8/28/2025				270	

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.002	<0.002	<0.002	<0.002		
9/1/2016					<0.002	<0.002
11/15/2016				<0.002	<0.002	
11/16/2016	<0.002	<0.002	<0.002			<0.002
2/20/2017			<0.002	<0.002	<0.002	
2/21/2017	<0.002	<0.002				<0.002
6/12/2017	<0.002		<0.002	<0.002	<0.002	
6/13/2017		<0.002				
6/14/2017						<0.002
9/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2018	<0.002	<0.002	<0.002	<0.002	<0.002	
2/14/2018						<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/15/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/3/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/1/2021	<0.002				<0.002	
3/2/2021		<0.002	<0.002	<0.002		<0.002
9/21/2021			<0.002	<0.002		<0.002
9/22/2021	<0.002	<0.002			<0.002	
2/1/2022	<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
1/24/2023	<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	
1/30/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
8/27/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
2/18/2025	<0.002	<0.002	<0.002	<0.002	<0.002	
8/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.002					
9/6/2016		<0.002				<0.002
9/8/2016			<0.002	<0.002	<0.002	
11/16/2016	<0.002					
11/17/2016		<0.002	<0.002			
11/18/2016				<0.002		
11/21/2016					0.0002 (J)	<0.002
2/21/2017	<0.002	<0.002	<0.002	<0.002		
2/22/2017					0.0002 (J)	<0.002
6/13/2017	<0.002	<0.002	<0.002	<0.002		
6/14/2017					0.0002 (J)	<0.002
9/26/2017	<0.002	<0.002				
9/27/2017			<0.002	<0.002	0.0002 (J)	<0.002
2/14/2018	<0.002	<0.002	<0.002	<0.002	0.00018 (J)	<0.002
6/26/2018	<0.002	<0.002	<0.002			
6/27/2018				<0.002	0.00017 (J)	
6/28/2018						<0.002
12/18/2018	<0.002	<0.002	<0.002		0.00017 (J)	<0.002
12/20/2018				<0.002		
8/27/2019	<0.002		<0.002			<0.002
8/28/2019				<0.002	0.00017 (J)	
8/29/2019		<0.002				
10/15/2019	<0.002	<0.002	<0.002			
10/16/2019					0.00017 (J)	
12/4/2019				<0.002		<0.002
3/3/2020	<0.002					
3/4/2020		<0.002	<0.002	<0.002	0.00016 (J)	
3/5/2020						<0.002
8/18/2020	<0.002	<0.002				
8/19/2020			<0.002	<0.002	0.00016 (J)	<0.002
9/15/2020	<0.002	<0.002	<0.002		0.00016 (J)	
9/16/2020				<0.002		<0.002
3/2/2021	<0.002	<0.002	<0.002			
3/3/2021				<0.002	0.00018 (J)	<0.002
9/21/2021	<0.002					
9/22/2021		<0.002				
9/28/2021			<0.002	<0.002	<0.002	<0.002
2/1/2022	<0.002	<0.002				
2/2/2022			<0.002			<0.002
2/3/2022					<0.002	
2/4/2022				<0.002		
8/23/2022	<0.002	<0.002	<0.002			
8/24/2022					<0.002	<0.002
8/25/2022				<0.002		
1/24/2023	<0.002	<0.002				
1/25/2023				<0.002		
1/26/2023			<0.002		<0.002	<0.002
8/22/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024		<0.002				<0.002
1/31/2024			<0.002	<0.002	<0.002	
8/27/2024		<0.002		<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.002
8/29/2024			<0.002			
2/18/2025		<0.002				
2/19/2025			<0.002	<0.002	<0.002	<0.002
8/26/2025				<0.002	<0.002	
8/27/2025		<0.002				<0.002
8/28/2025			<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.002					
11/21/2016	<0.002					
2/22/2017	<0.002					
6/14/2017	<0.002					
9/27/2017	<0.002					
2/14/2018	<0.002					
3/6/2018		<0.002	<0.002	<0.002		
5/1/2018		<0.002	<0.002	<0.002		
6/27/2018	<0.002			<0.002		
6/28/2018			<0.002			
7/31/2018			<0.002			
8/1/2018				<0.002		
8/10/2018					<0.002	
8/23/2018			<0.002	<0.002	<0.002	
9/19/2018			<0.002	<0.002	<0.002	
10/29/2018			<0.002	<0.002	<0.002	
11/28/2018			<0.002	<0.002	<0.002	
12/19/2018	<0.002			<0.002		
12/20/2018			<0.002		<0.002	
1/17/2019					<0.002	
2/13/2019					<0.002	
8/27/2019	<0.002					
8/28/2019			<0.002	<0.002		
8/29/2019					<0.002	
10/16/2019				<0.002	<0.002	
12/3/2019			<0.002			
12/4/2019	<0.002					
3/4/2020				<0.002	<0.002	
3/5/2020	<0.002		<0.002			
8/19/2020	<0.002					
8/20/2020			<0.002	<0.002	<0.002	
9/16/2020	<0.002		<0.002	<0.002		
9/17/2020					<0.002	
3/2/2021			<0.002	<0.002		
3/4/2021	<0.002				<0.002	
9/23/2021			<0.002	<0.002		
9/28/2021	<0.002	<0.002			<0.002	
2/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	
2/4/2022						<0.002
8/23/2022				<0.002		
8/25/2022	<0.002	<0.002	<0.002		<0.002	<0.002
1/24/2023	<0.002					
1/25/2023		<0.002	<0.002		<0.002	
1/26/2023				<0.002		
1/30/2023						<0.002
8/22/2023	<0.002					
8/23/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024	<0.002	<0.002		<0.002		
2/1/2024			<0.002		<0.002	<0.002
8/27/2024		<0.002				
8/28/2024	<0.002			<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.002			<0.002
2/18/2025				<0.002		
2/19/2025	<0.002	<0.002	<0.002		<0.002	<0.002
8/26/2025	<0.002		<0.002	<0.002		
8/27/2025		<0.002			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/27/2025 1:39 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

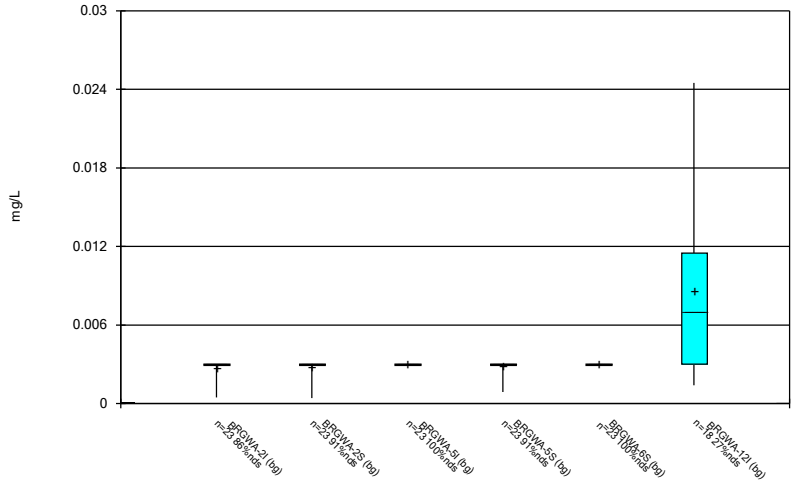
	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.002				
6/6/2023		<0.002			
8/23/2023	<0.002				
8/24/2023		<0.002	<0.002		
2/1/2024	<0.002	<0.002	<0.002		
8/27/2024		<0.002	<0.002		
8/29/2024	<0.002				
2/18/2025		<0.002	<0.002		
2/19/2025	<0.002				
8/27/2025	<0.002	<0.002	<0.002		<0.002
8/28/2025				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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Box & Whiskers Plot

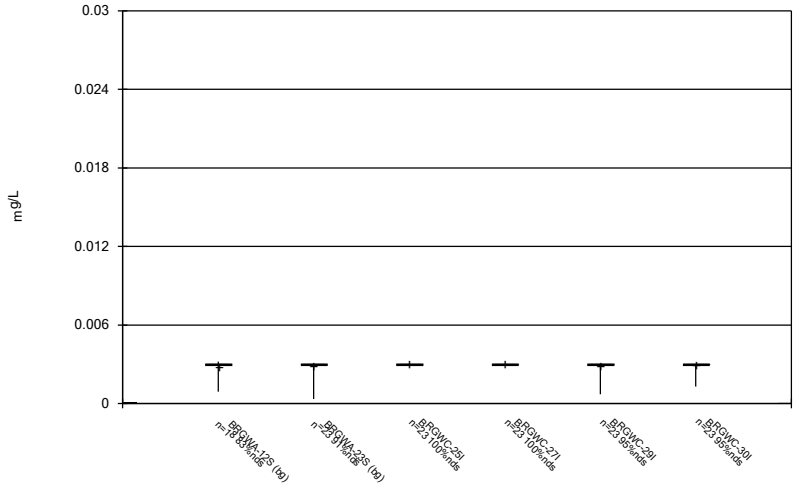


Constituent: Antimony Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

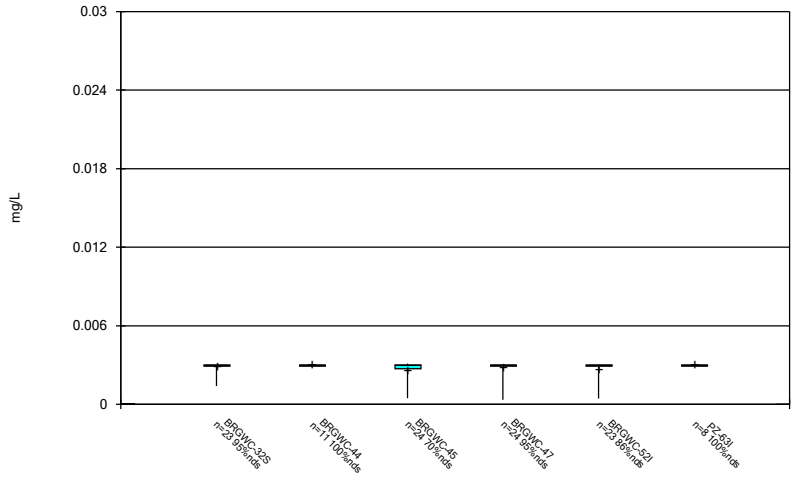


Constituent: Antimony Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

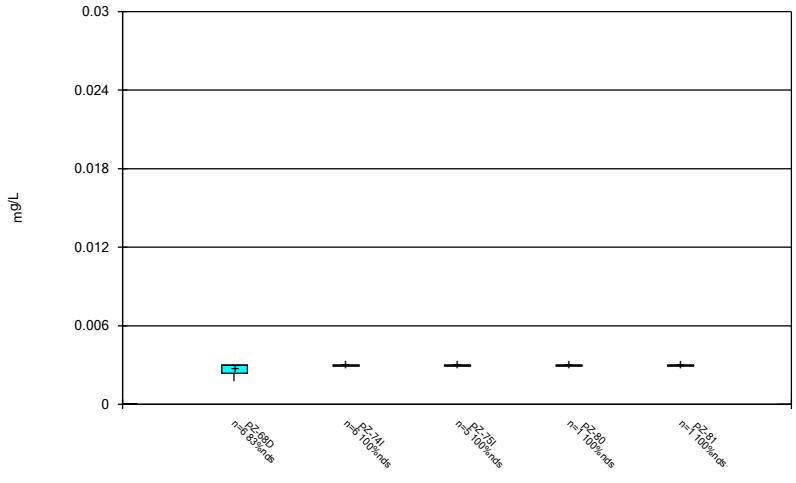


Constituent: Antimony Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

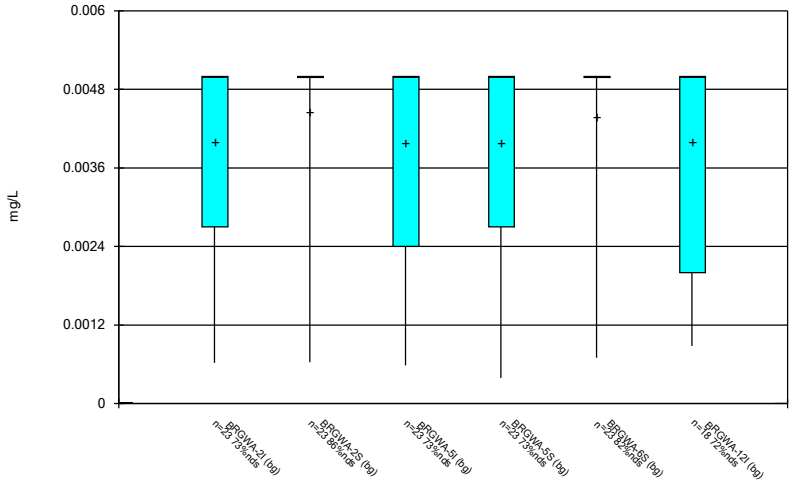


Constituent: Antimony Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

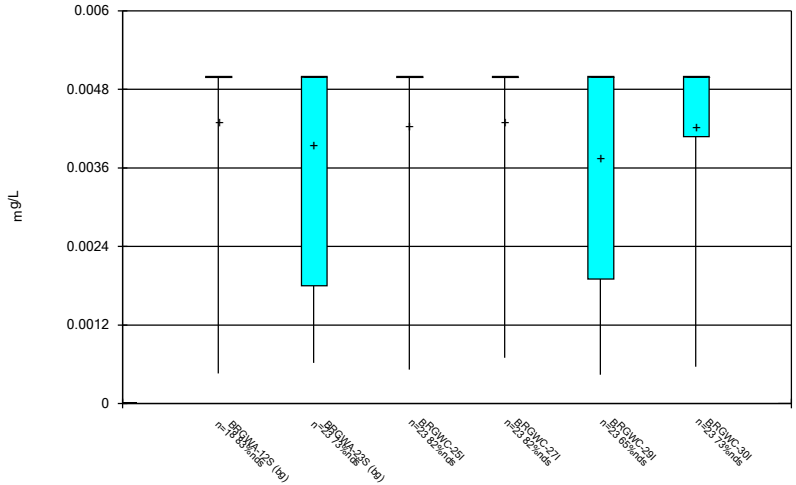


Constituent: Arsenic Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

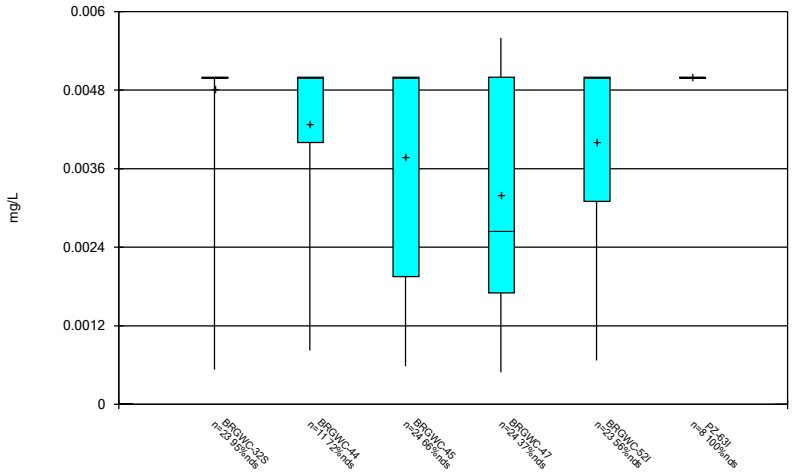


Constituent: Arsenic Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

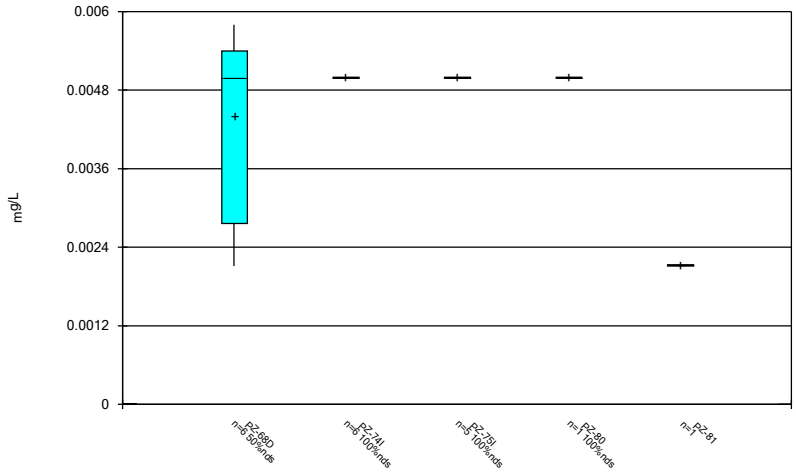


Constituent: Arsenic Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

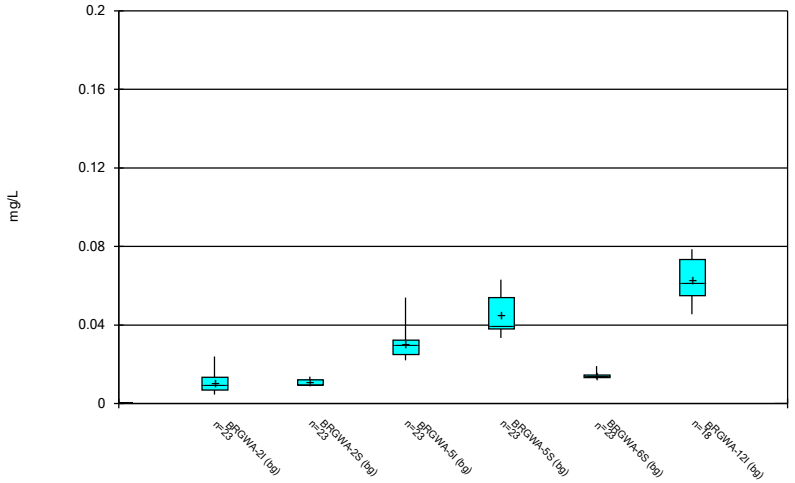


Constituent: Arsenic Analysis Run 10/27/2025 1:40 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

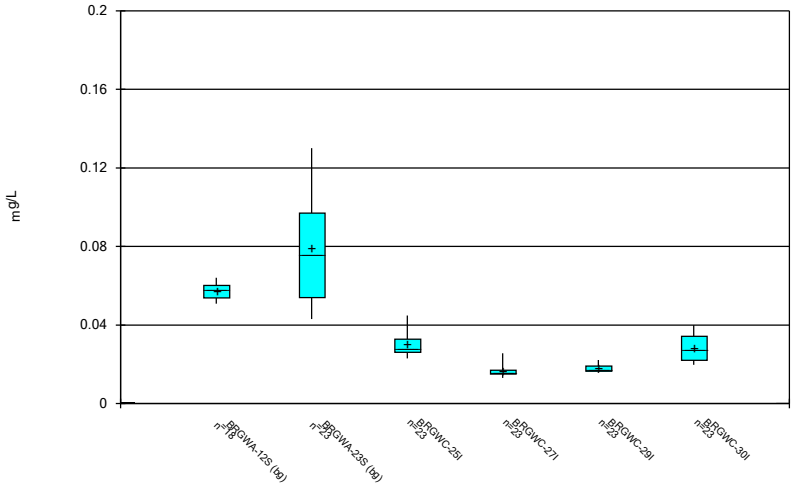


Constituent: Barium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

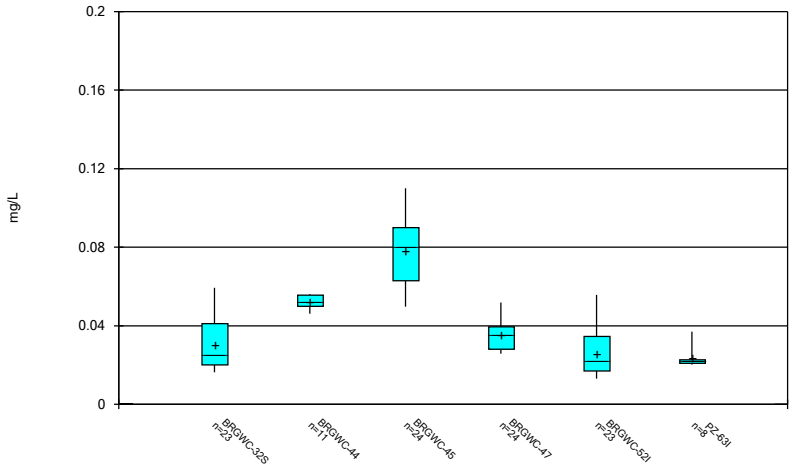


Constituent: Barium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

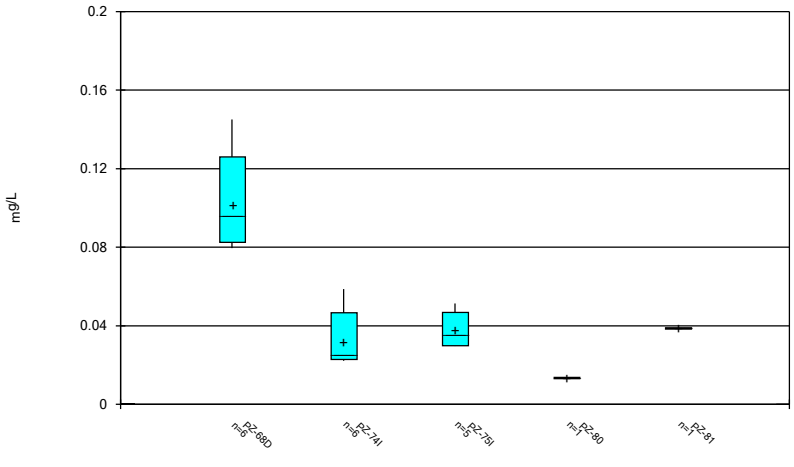


Constituent: Barium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

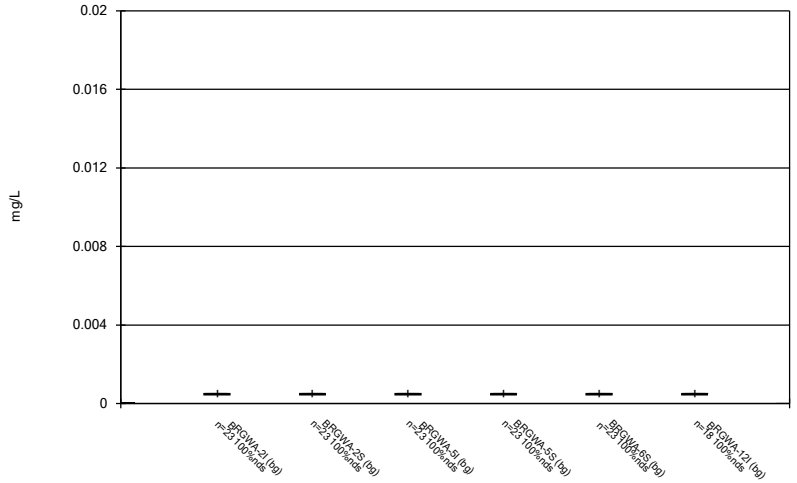


Constituent: Barium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

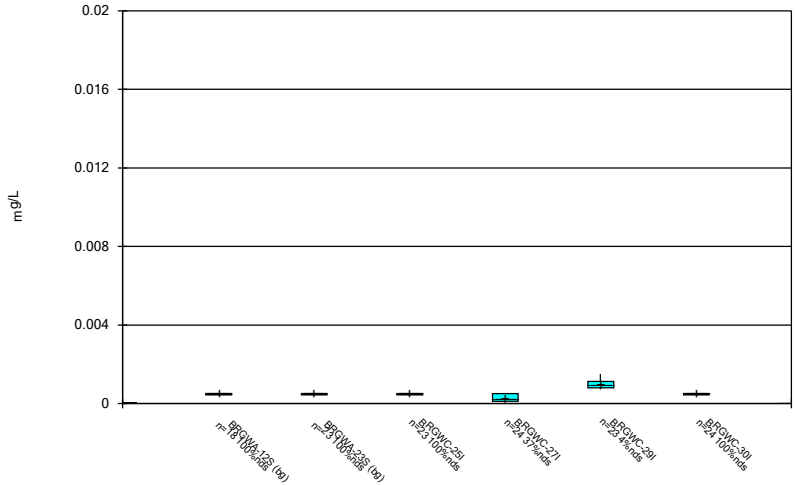


Constituent: Beryllium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

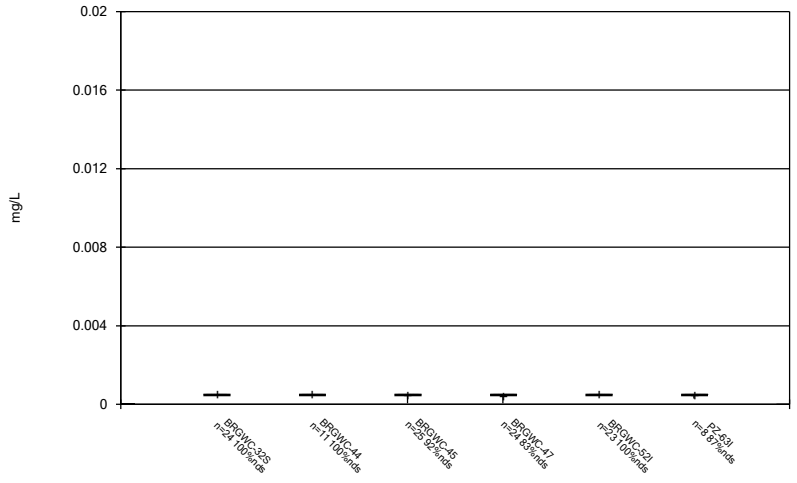


Constituent: Beryllium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

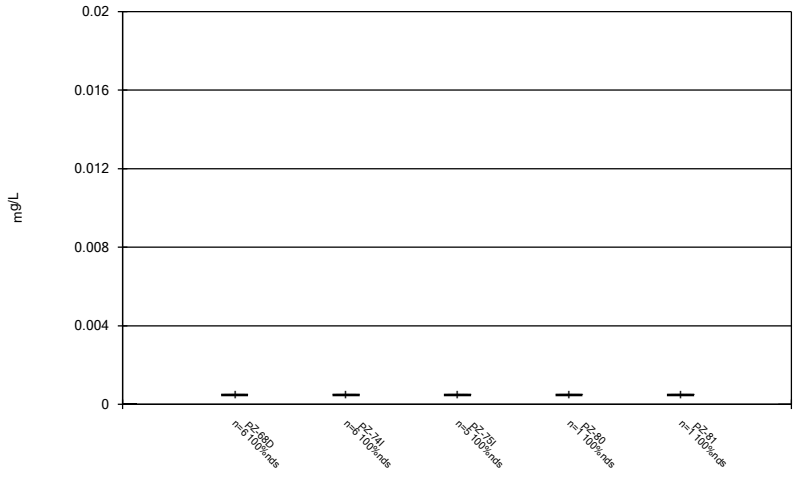


Constituent: Beryllium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

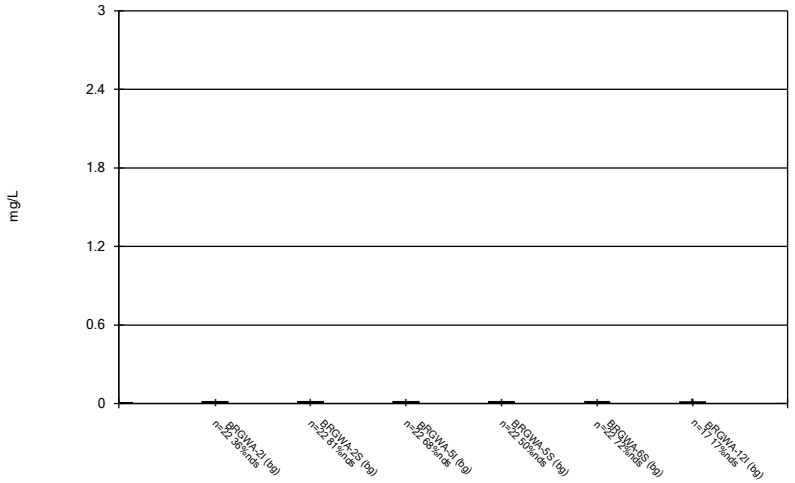


Constituent: Beryllium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

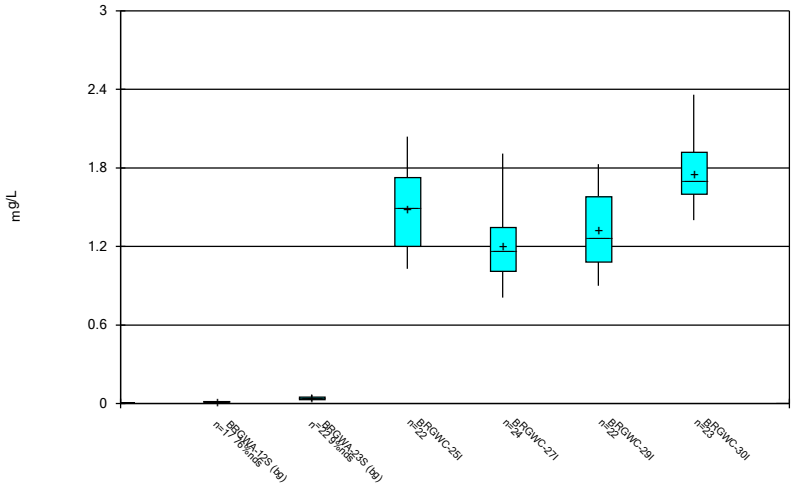


Constituent: Boron Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

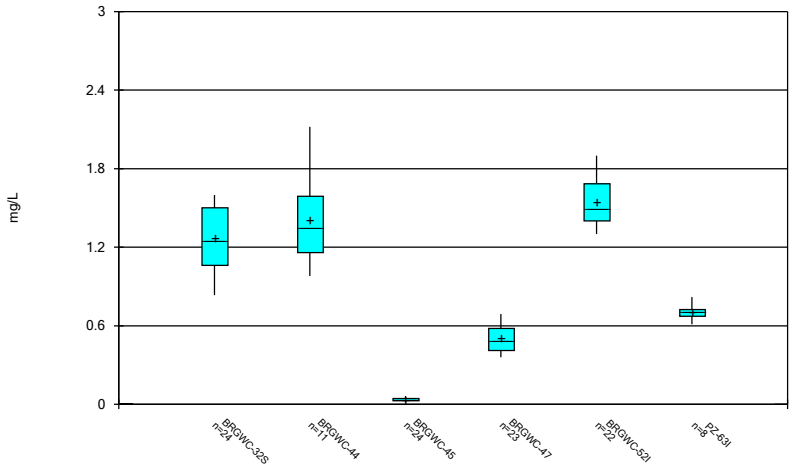


Constituent: Boron Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

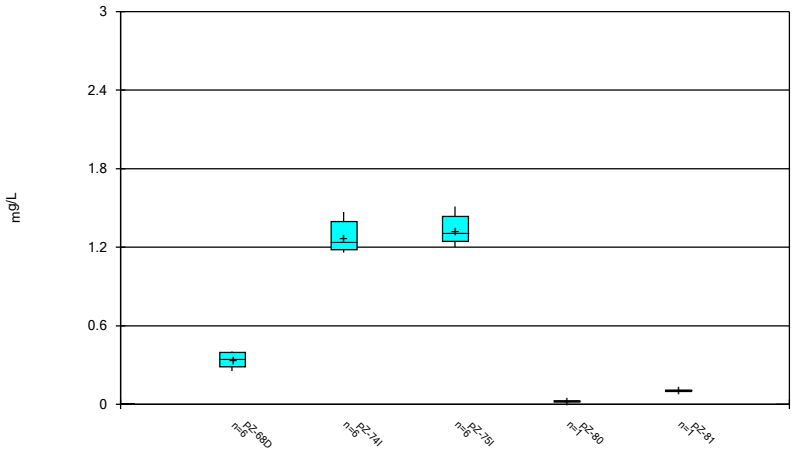


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

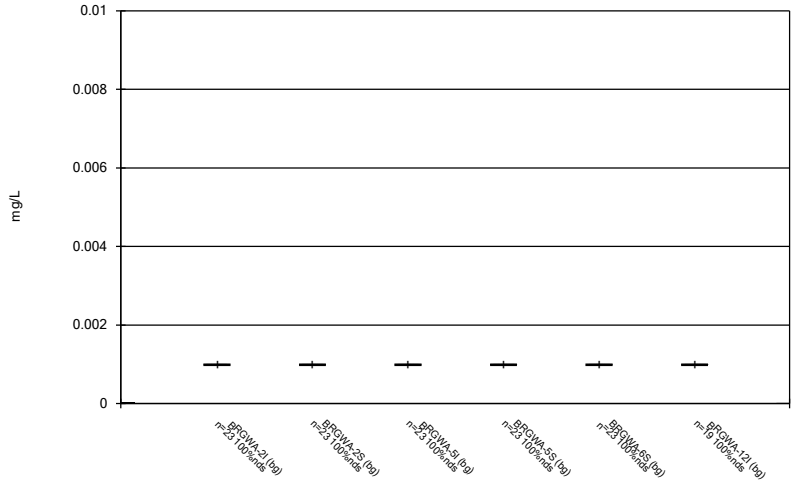


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

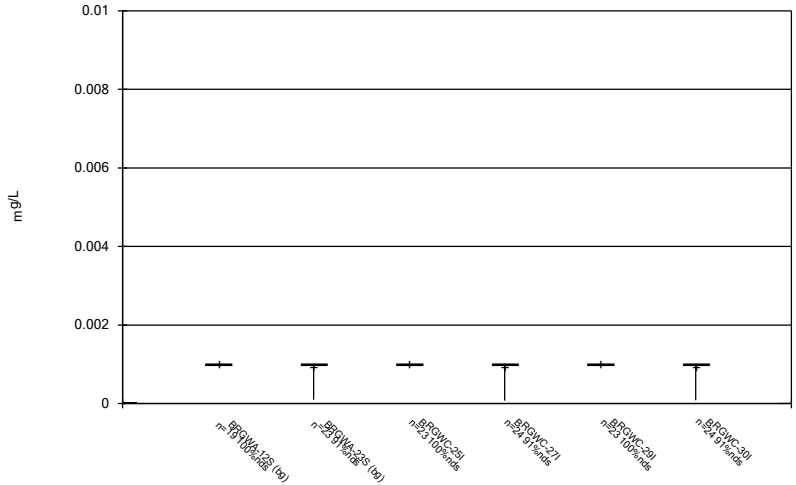


Constituent: Cadmium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

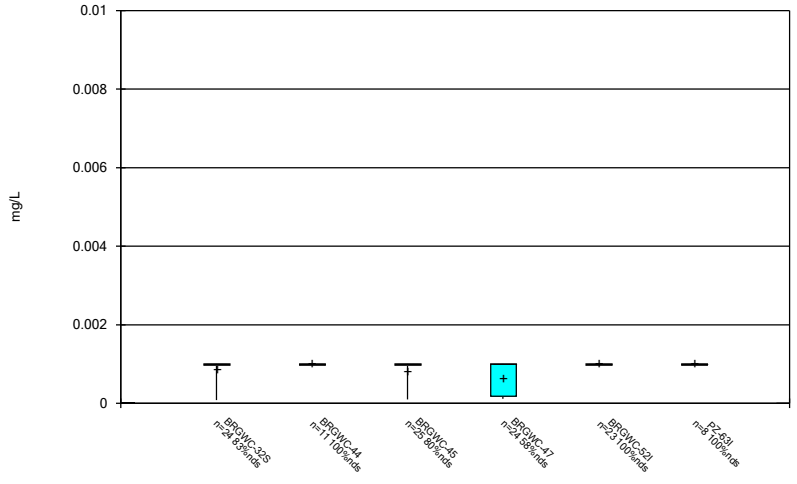


Constituent: Cadmium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

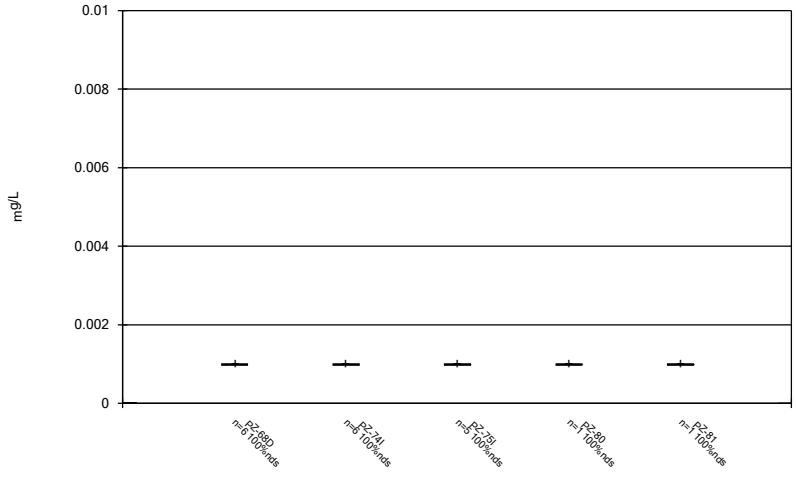


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

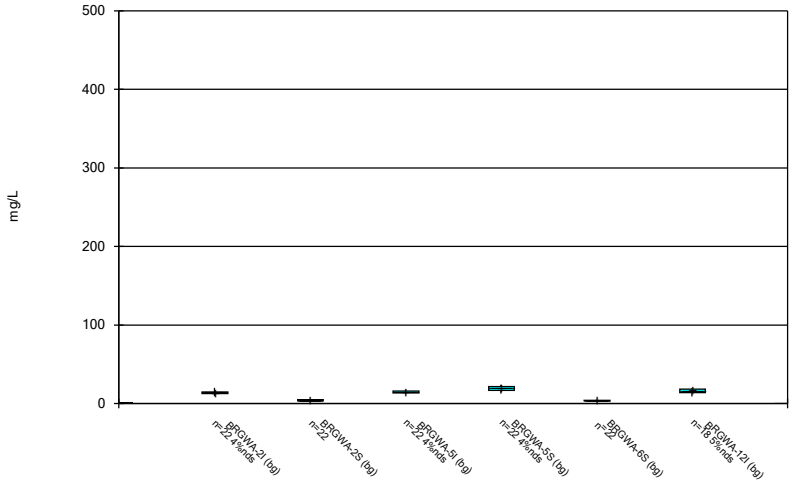


Constituent: Cadmium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

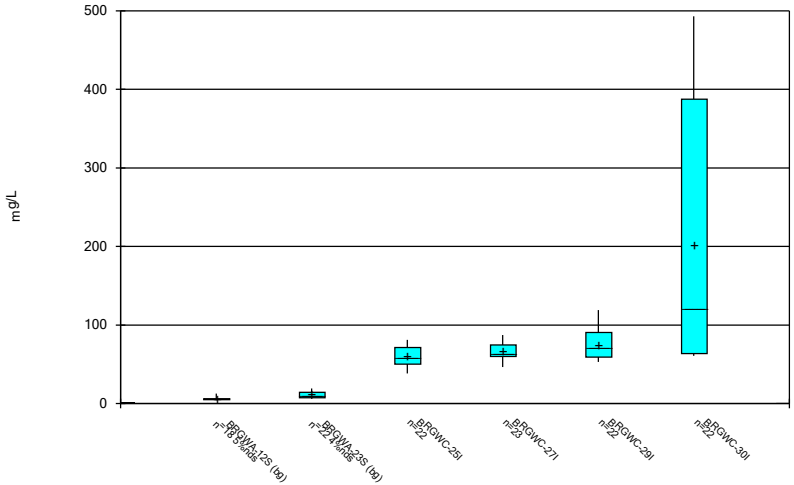


Constituent: Calcium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

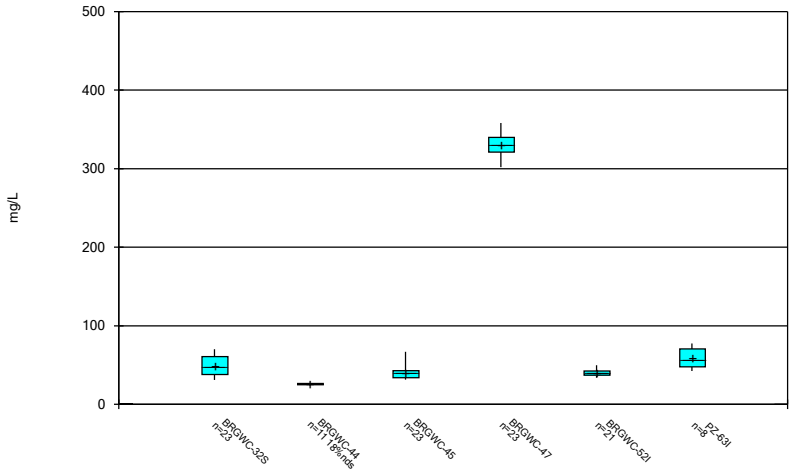


Constituent: Calcium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

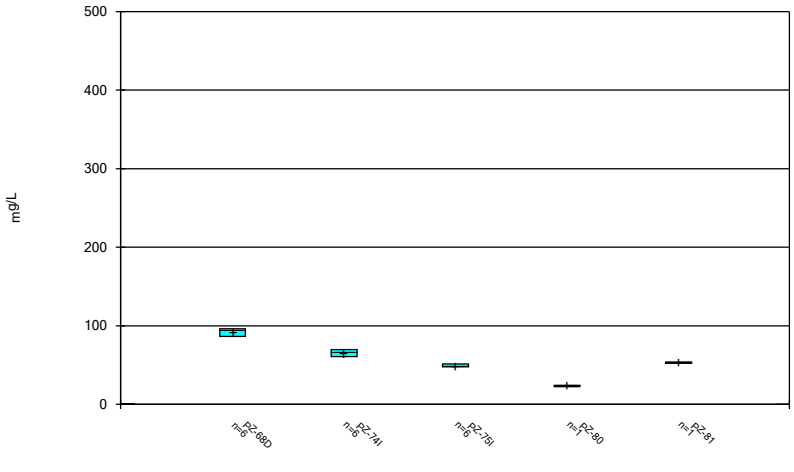


Constituent: Calcium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

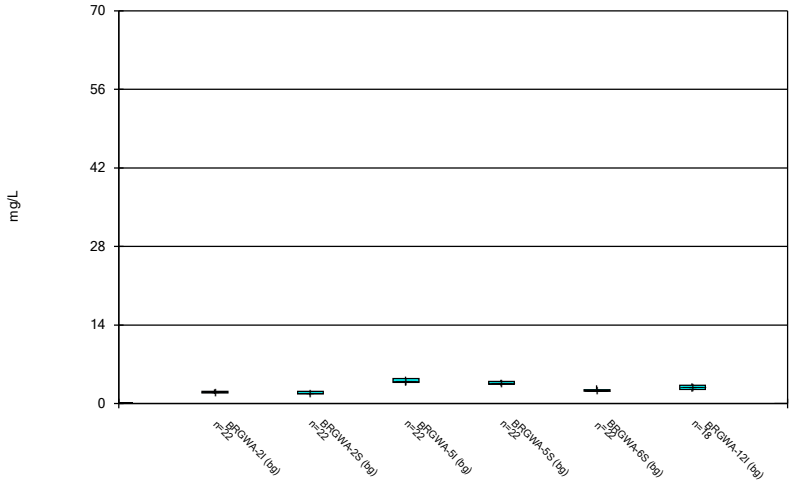


Constituent: Calcium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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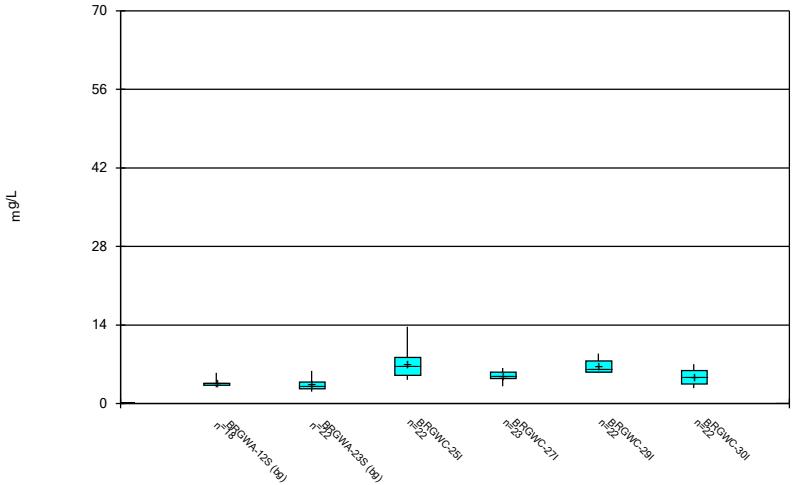
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/27/2025 1:41 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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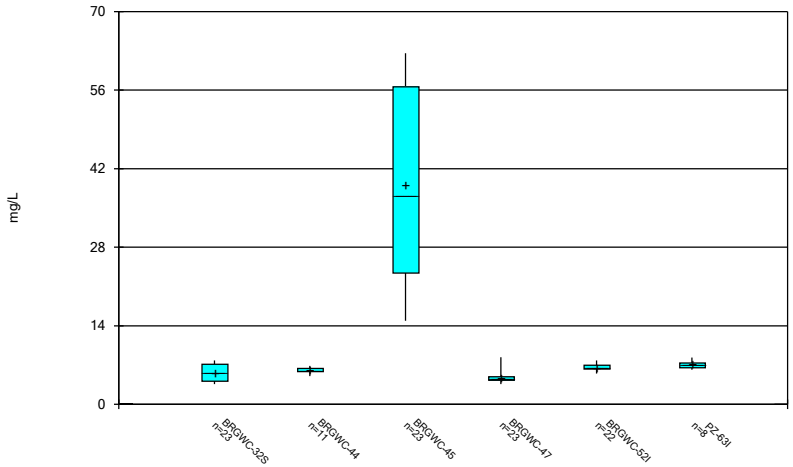
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/27/2025 1:41 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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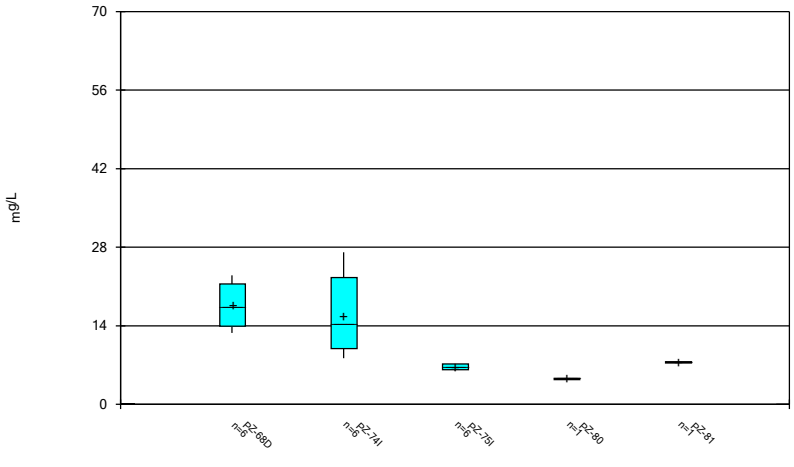
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/27/2025 1:41 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

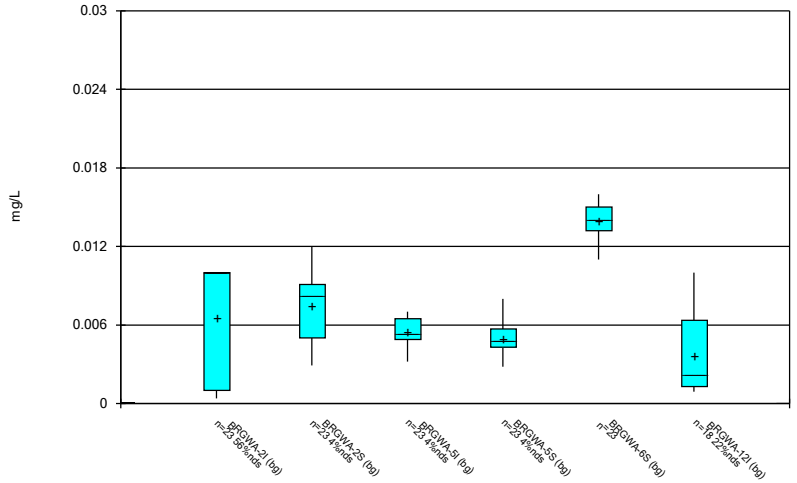
Box & Whiskers Plot



Constituent: Chloride Analysis Run 10/27/2025 1:41 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

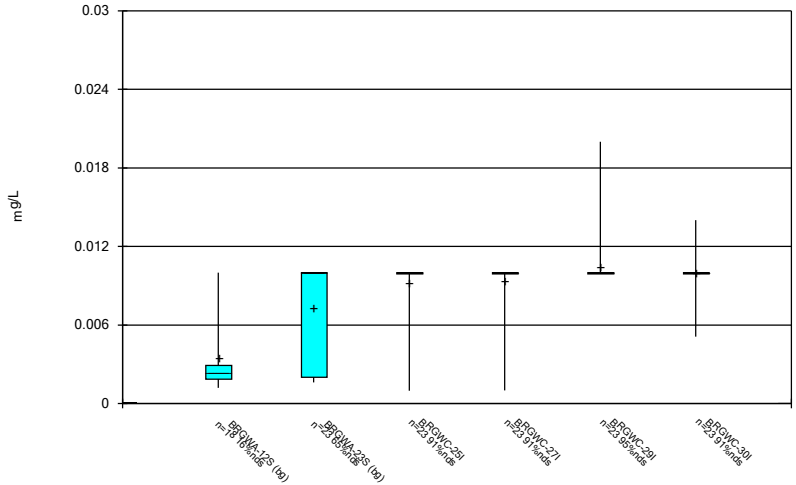


Constituent: Chromium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

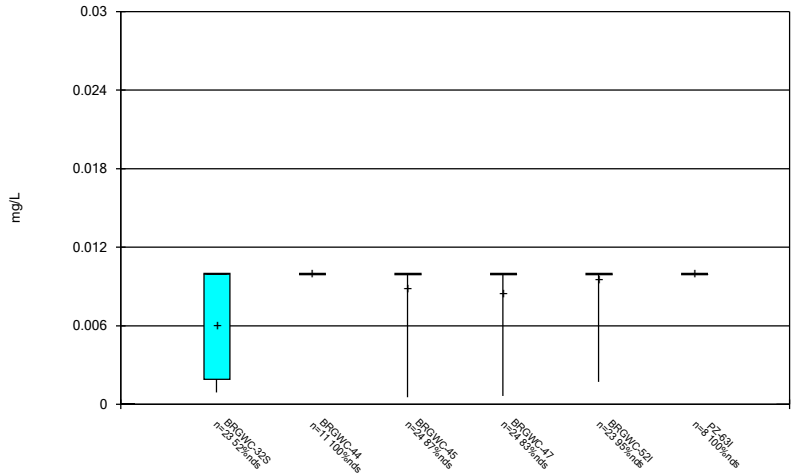


Constituent: Chromium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

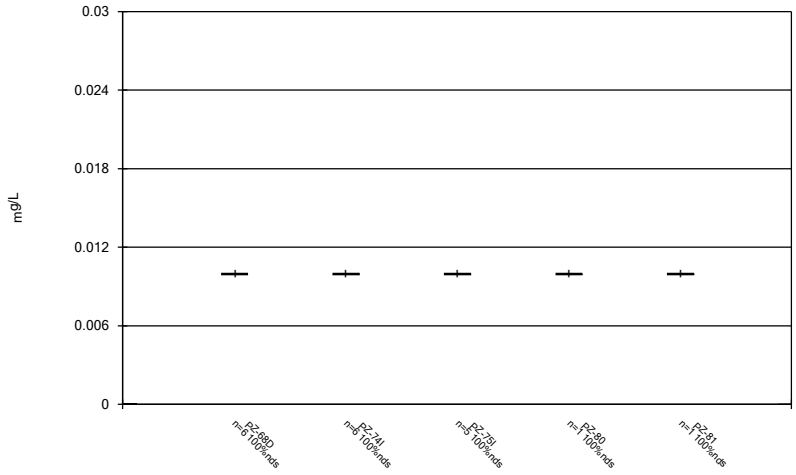


Constituent: Chromium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

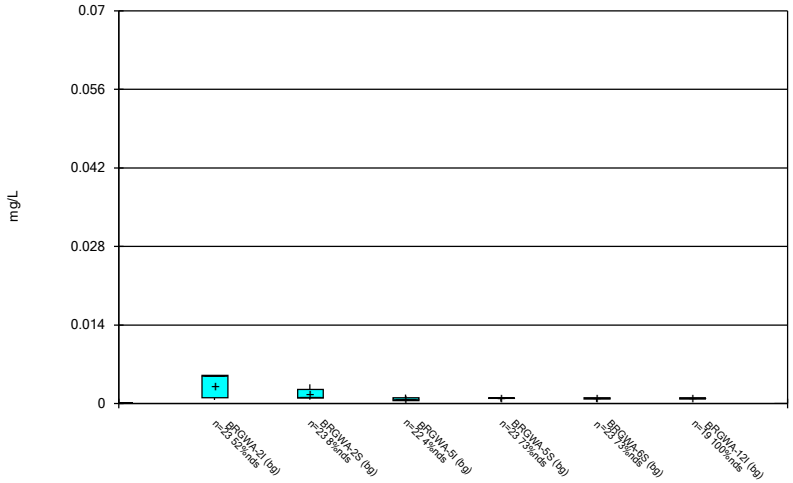


Constituent: Chromium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

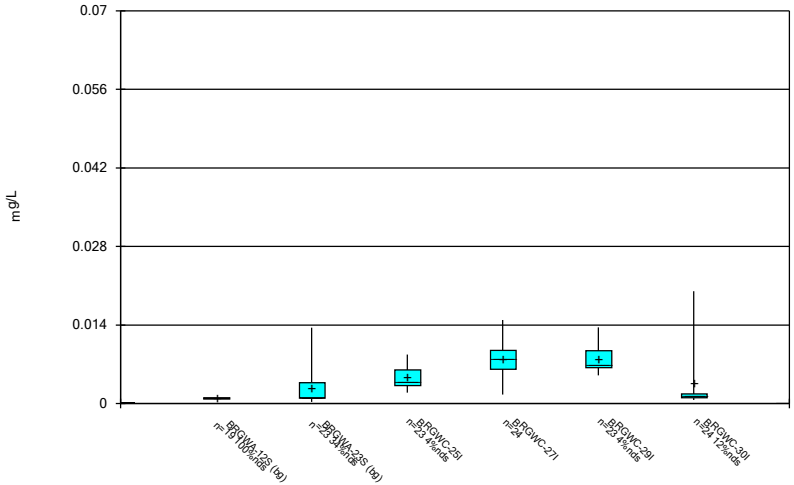


Constituent: Cobalt Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

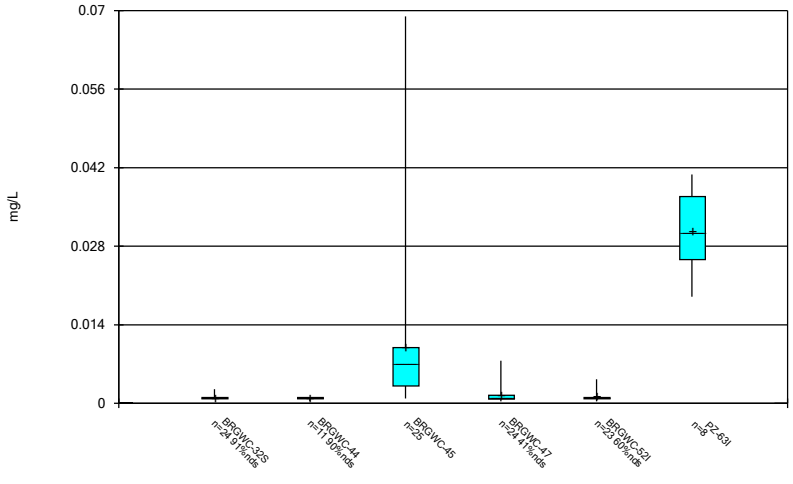


Constituent: Cobalt Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

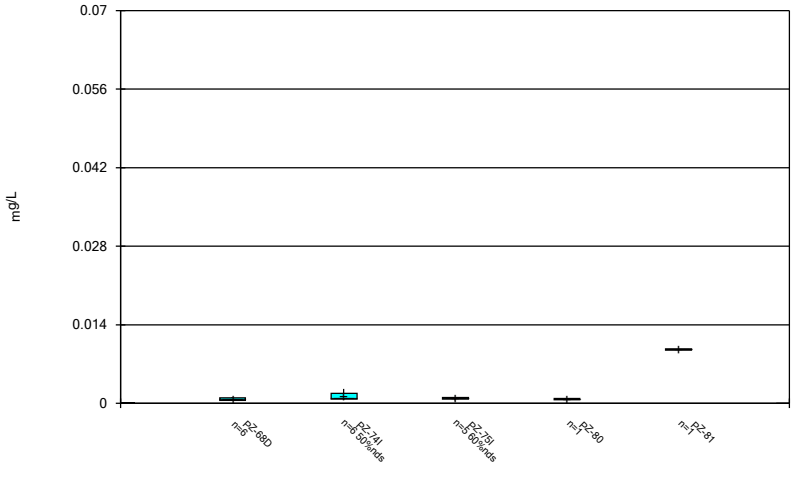


Constituent: Cobalt Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

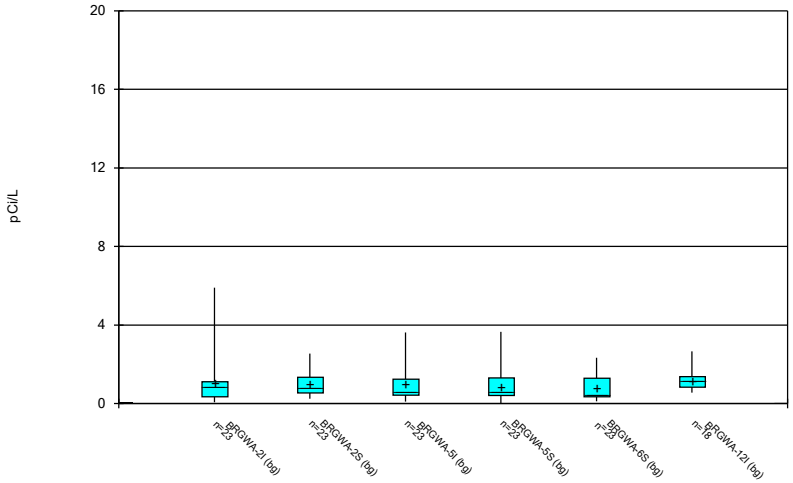


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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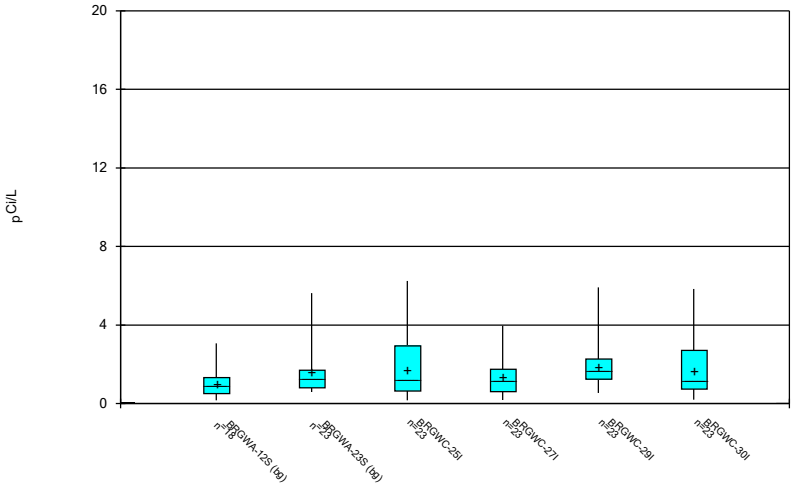
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:41 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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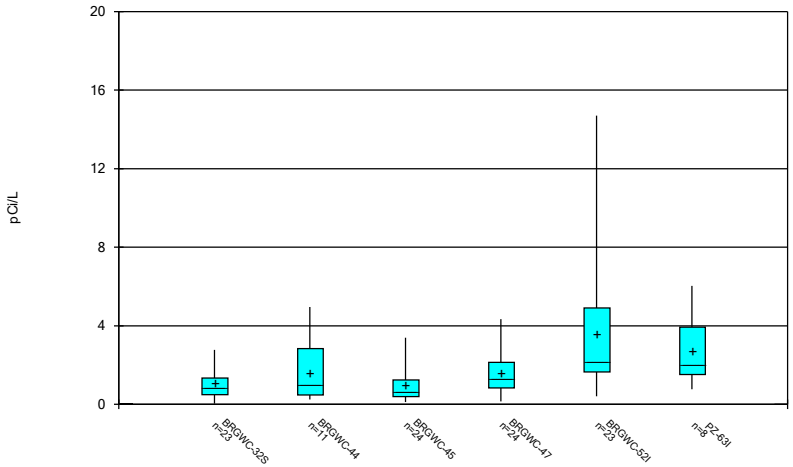
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:41 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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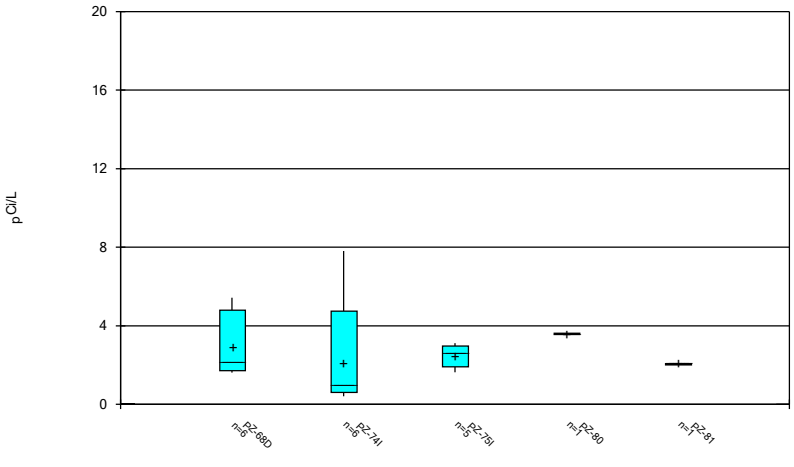
Box & Whiskers Plot



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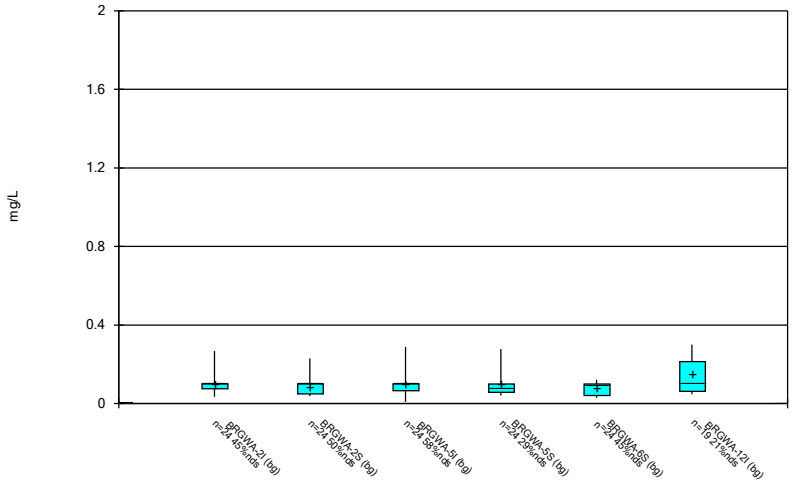
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:41 PM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

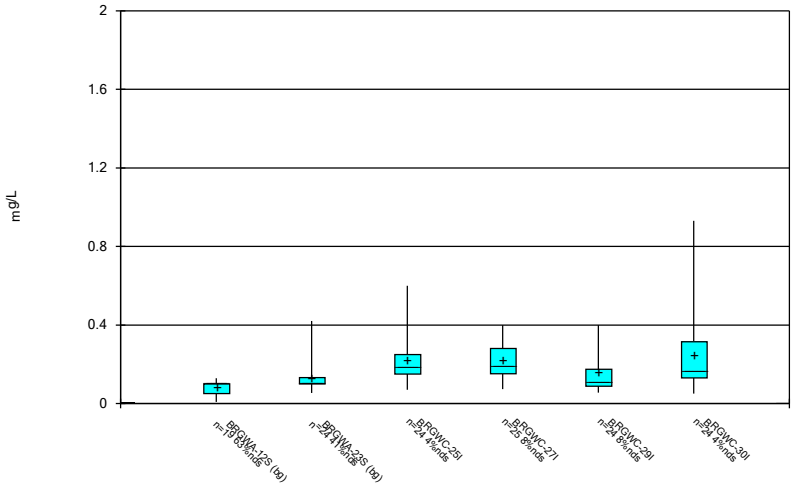


Constituent: Fluoride Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

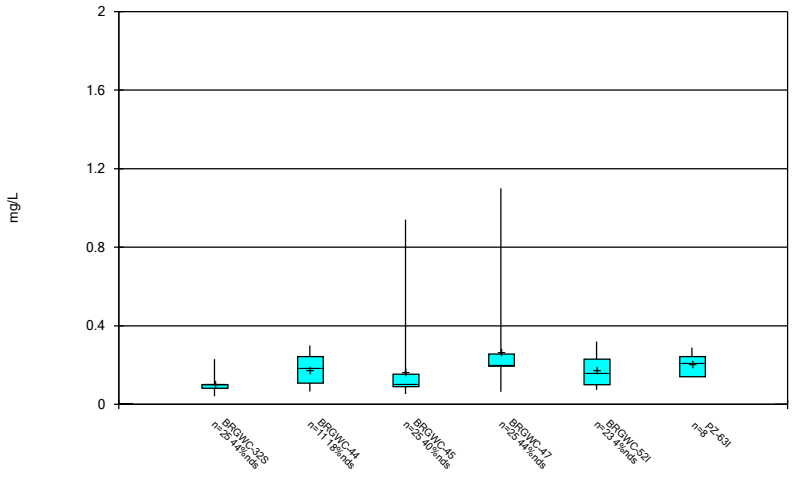


Constituent: Fluoride Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

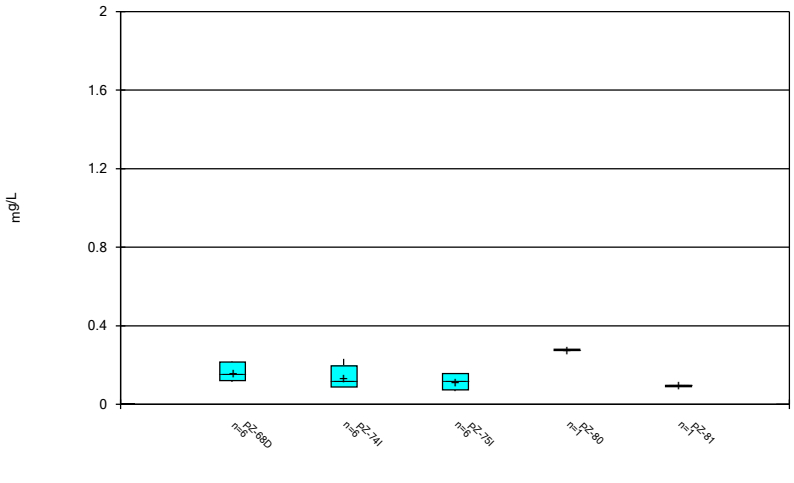


Constituent: Fluoride Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

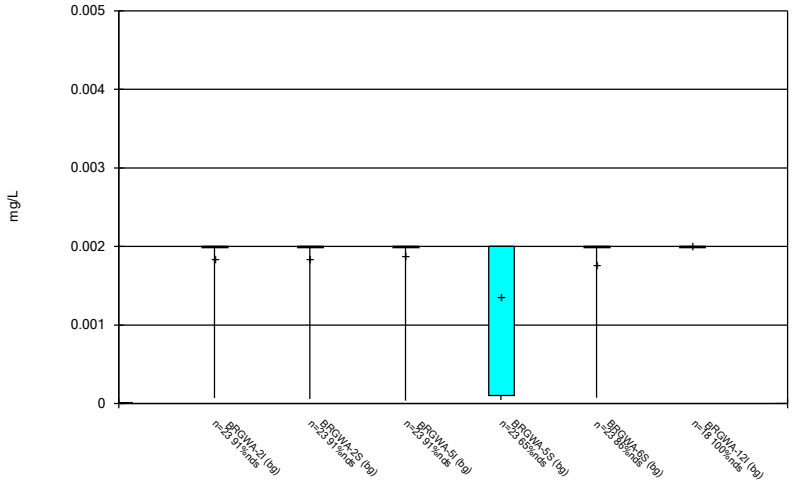


Constituent: Fluoride Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

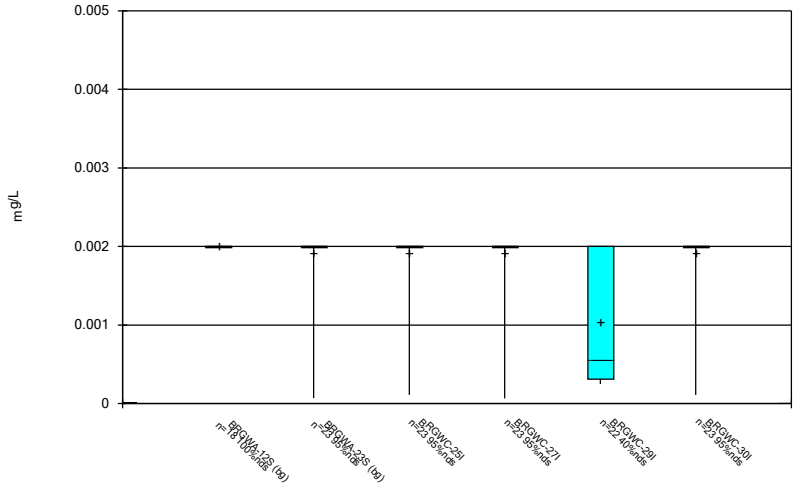


Constituent: Lead Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

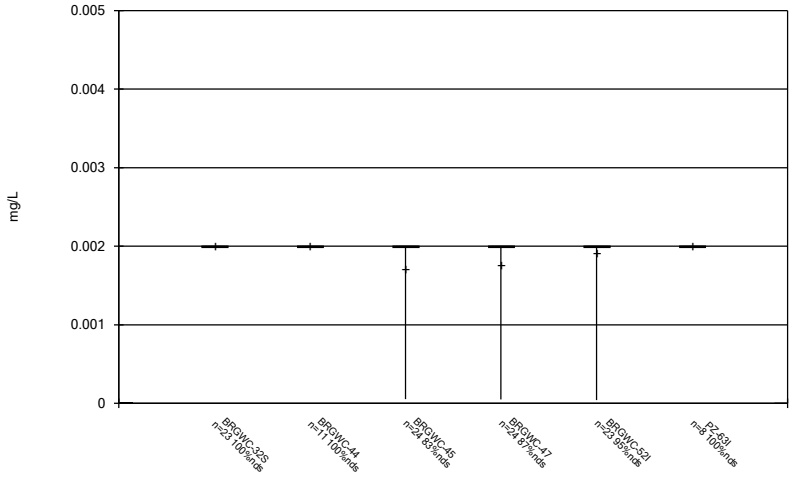


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

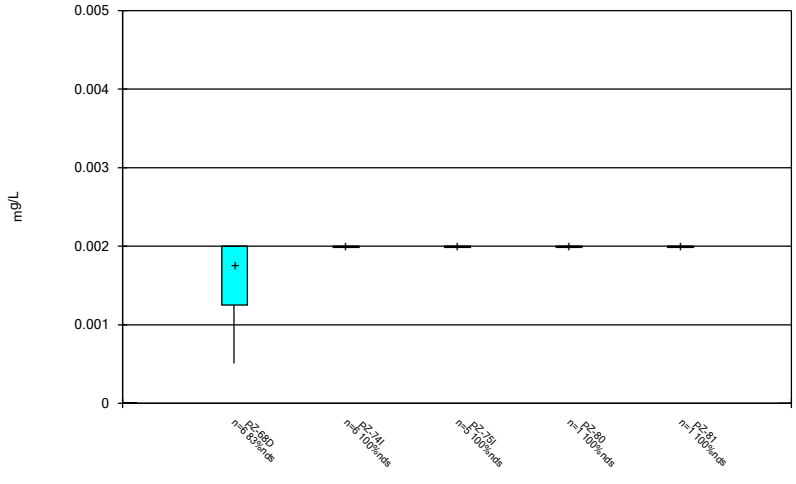


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

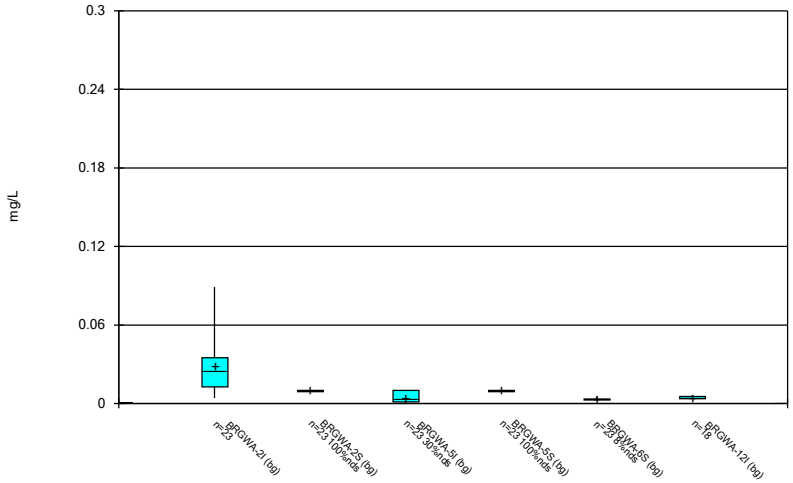


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

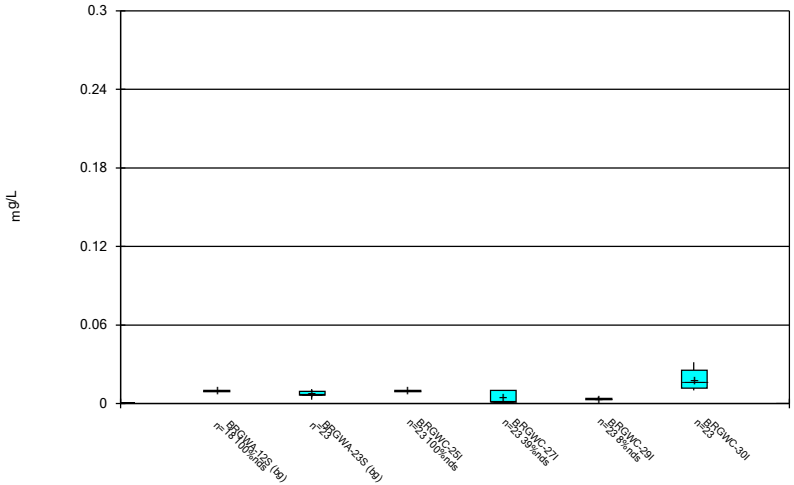


Constituent: Lithium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

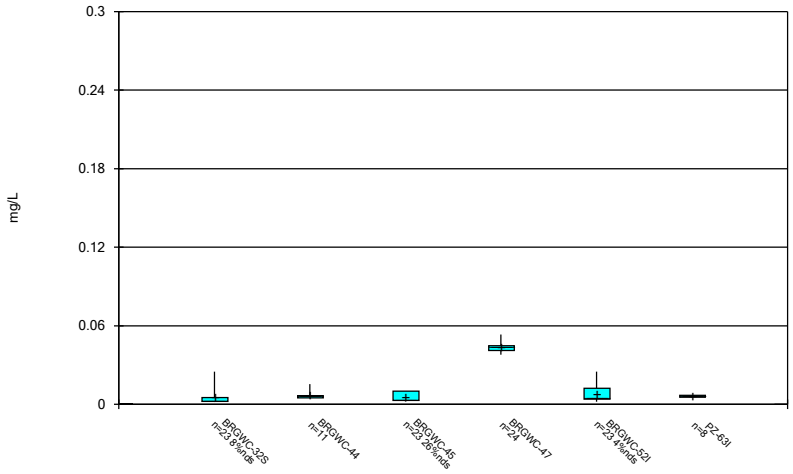


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

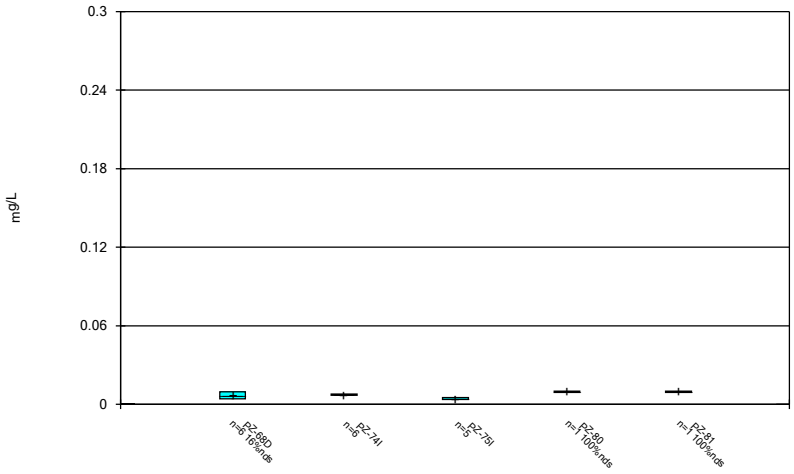


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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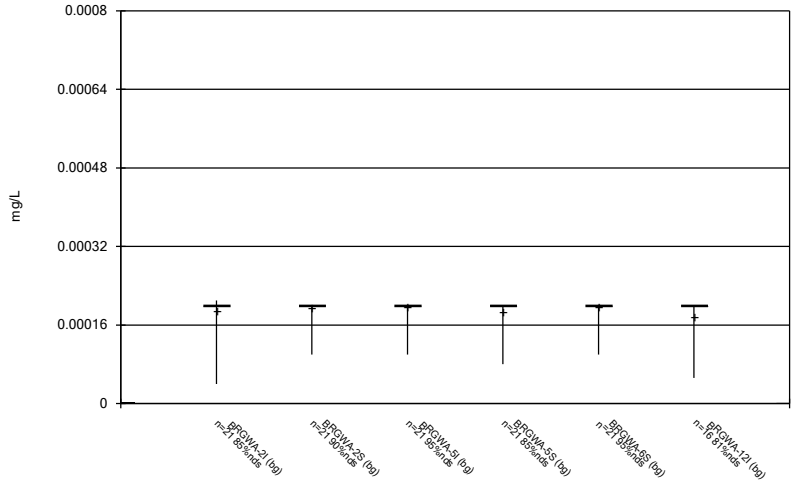


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

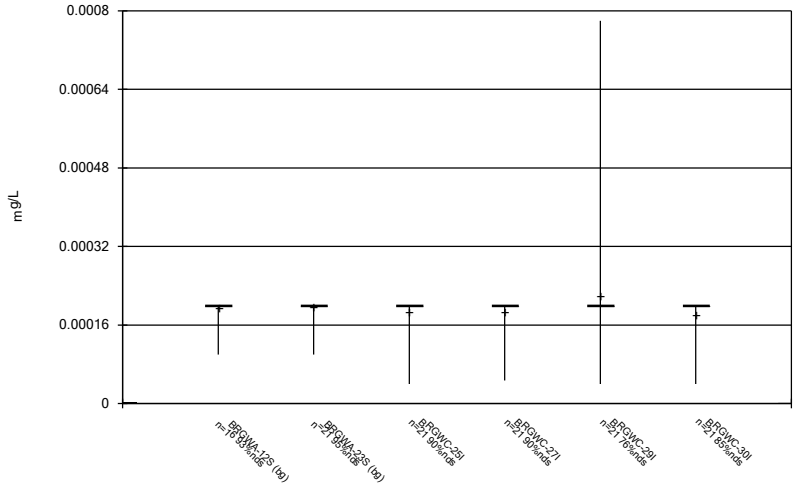


Constituent: Mercury Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

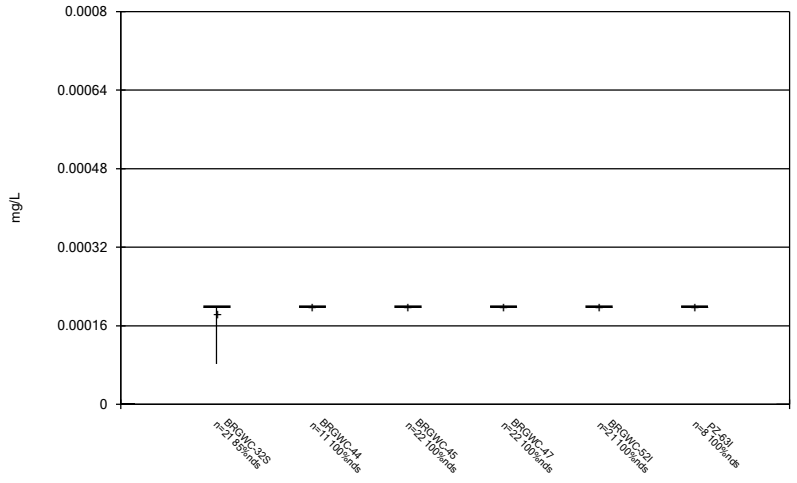


Constituent: Mercury Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

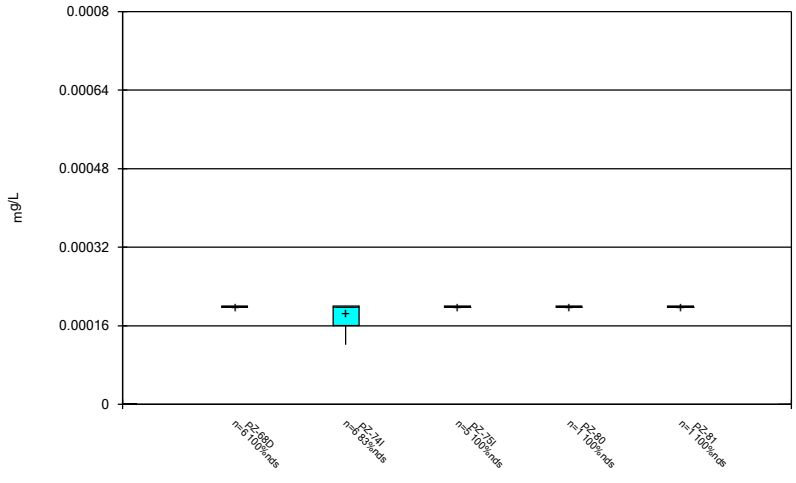


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

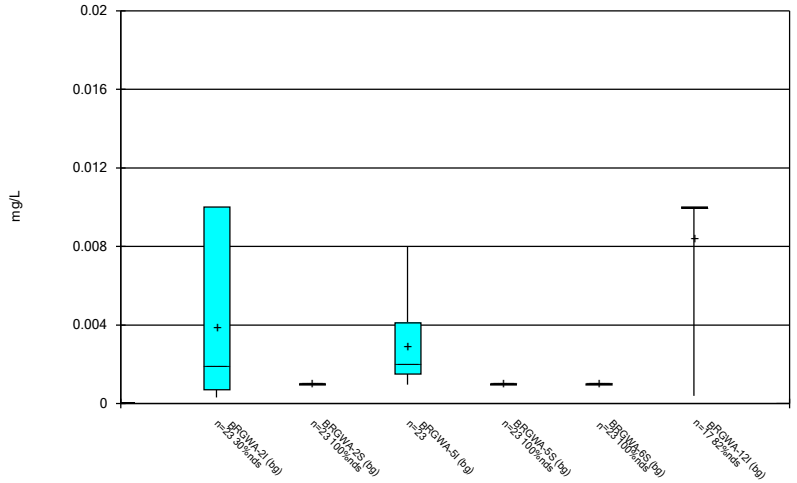


Constituent: Mercury Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

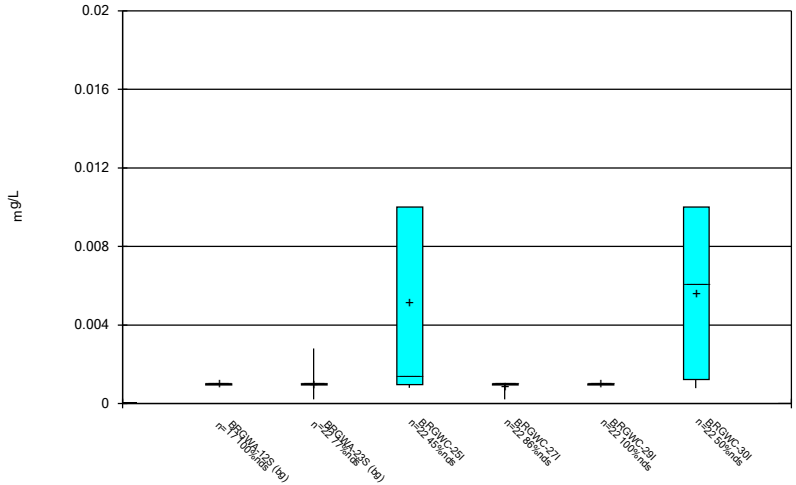


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

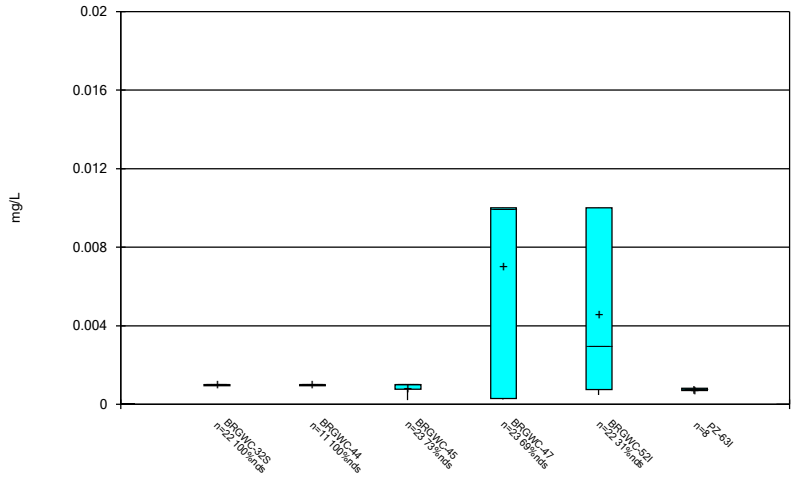


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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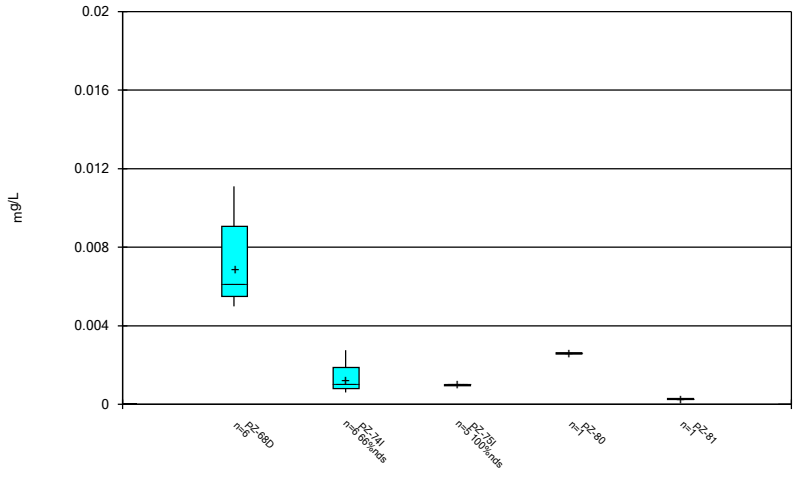


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Box & Whiskers Plot

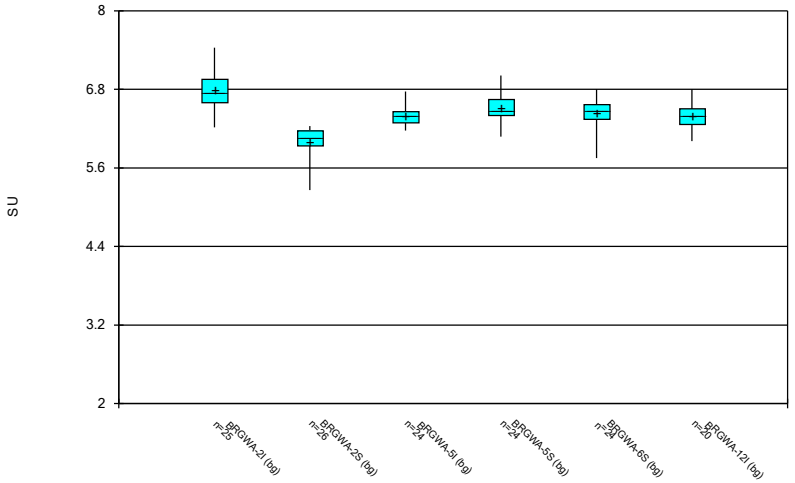


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

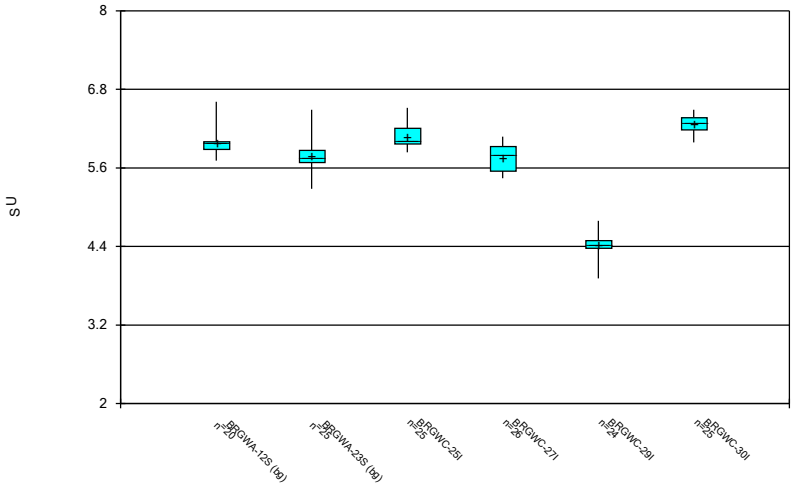


Constituent: pH, Field Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

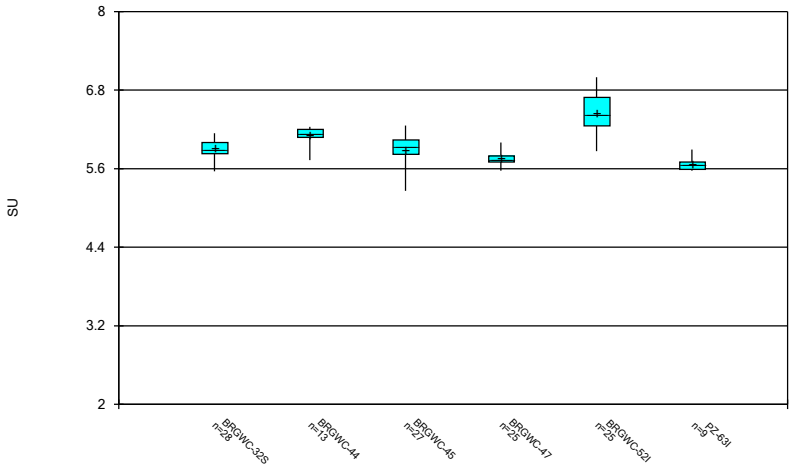


Constituent: pH, Field Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

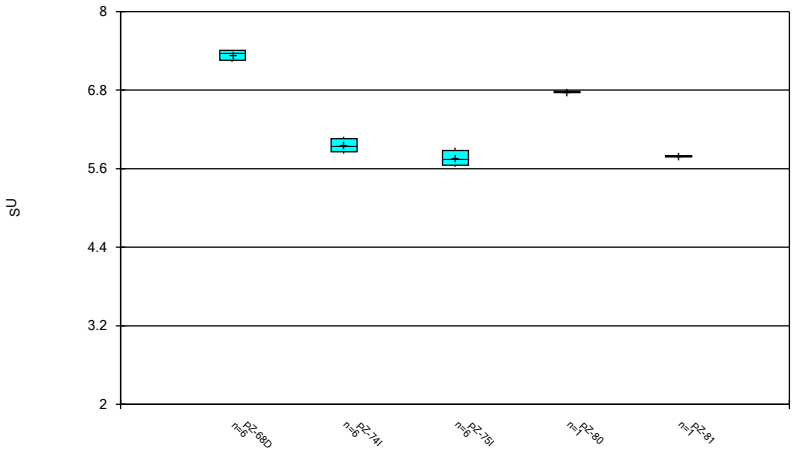


Constituent: pH, Field Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

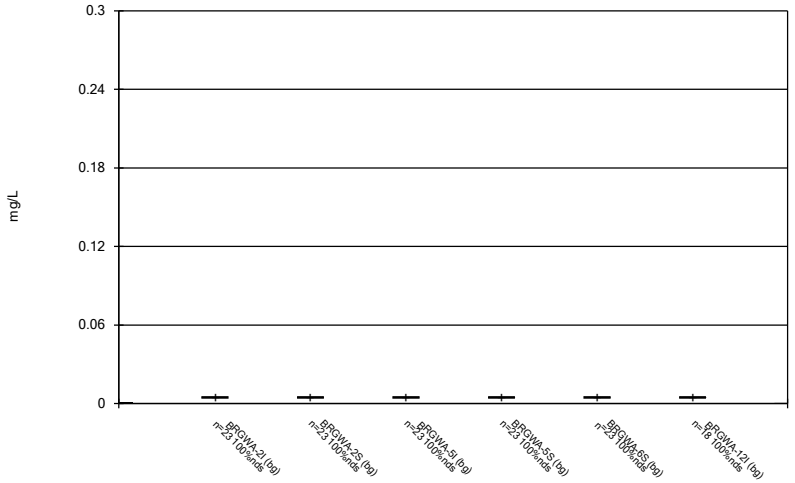


Constituent: pH, Field Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

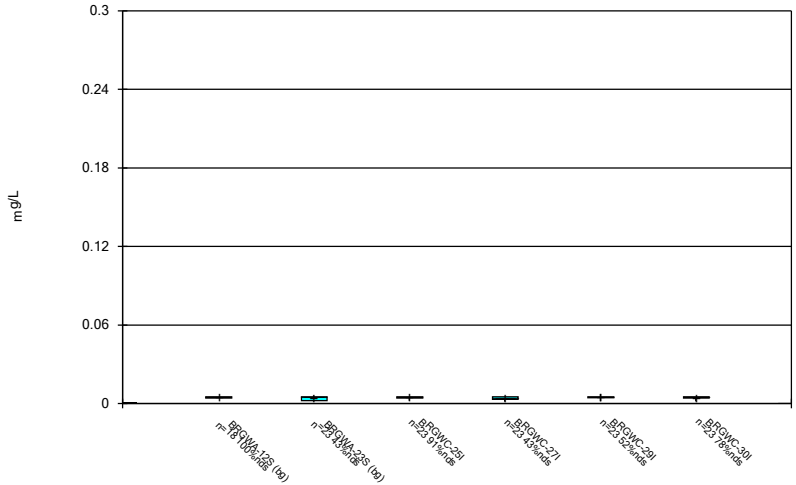


Constituent: Selenium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

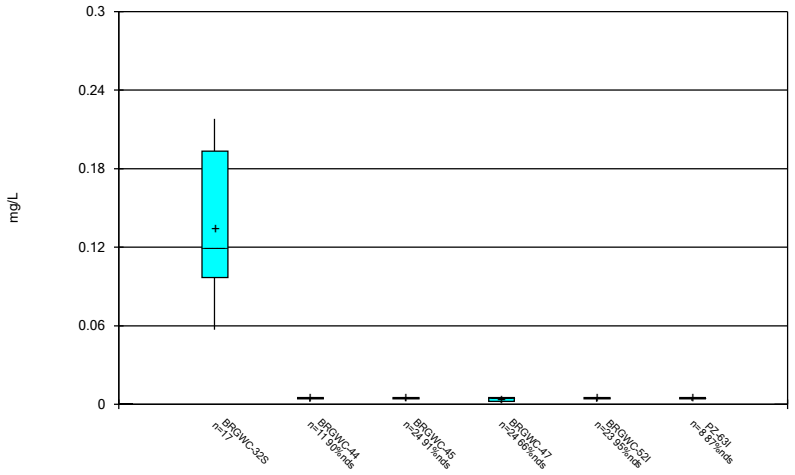


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

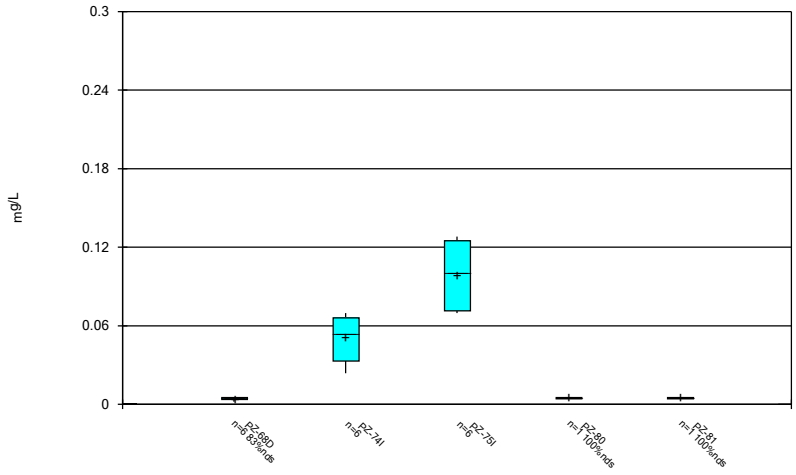


Constituent: Selenium Analysis Run 10/27/2025 1:41 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

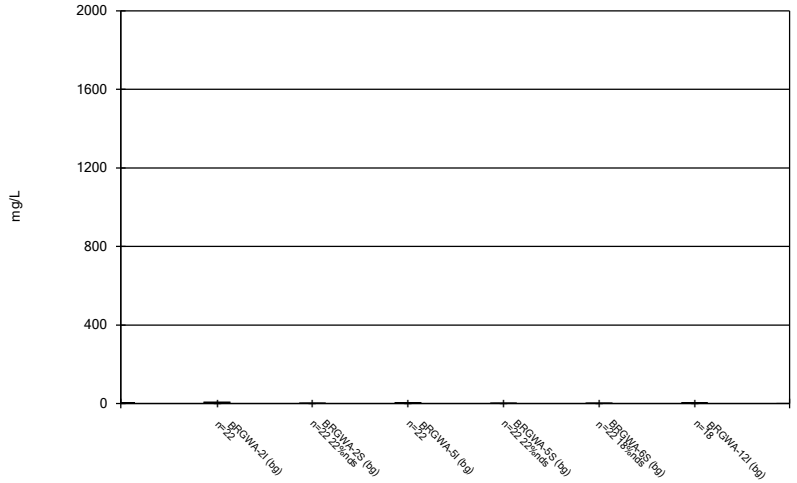


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

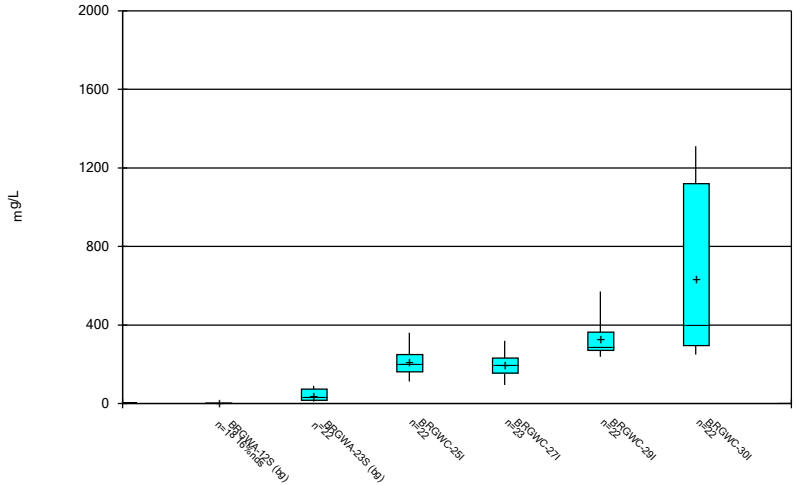


Constituent: Sulfate Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

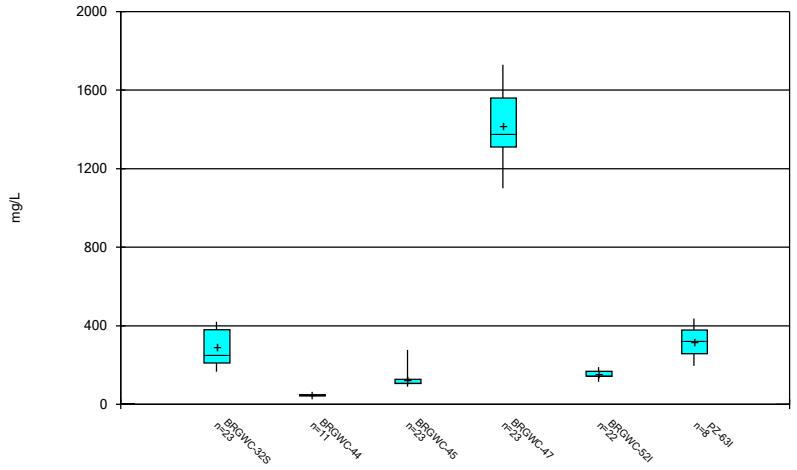


Constituent: Sulfate Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

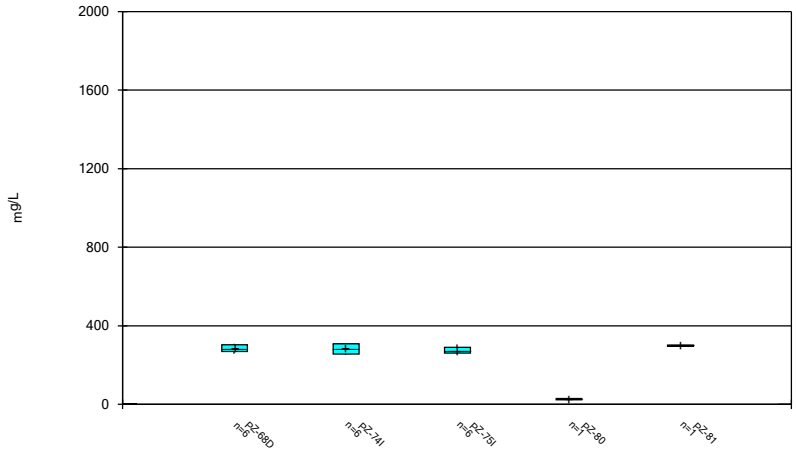


Constituent: Sulfate Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

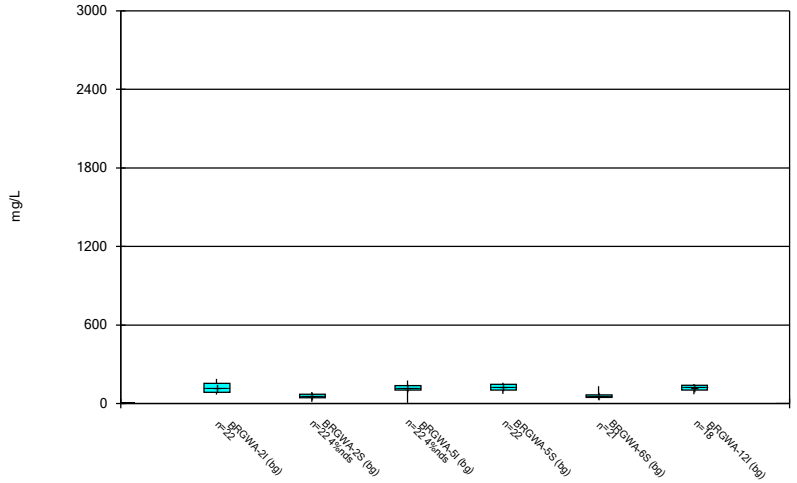


Constituent: Sulfate Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

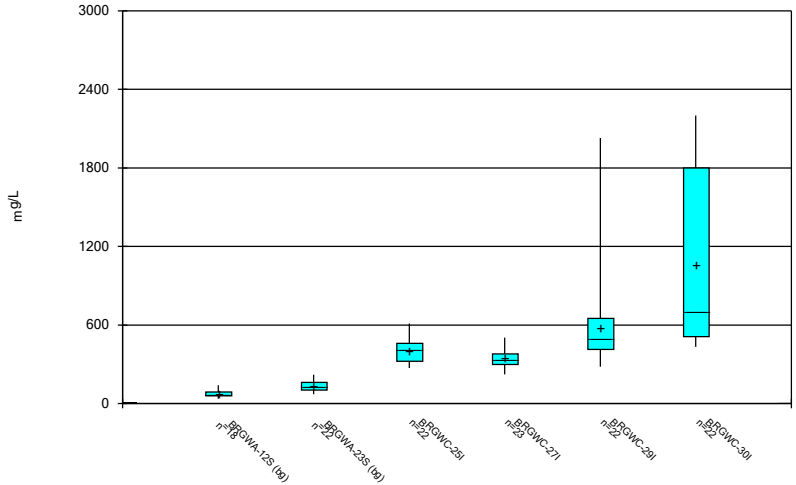


Constituent: TDS Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

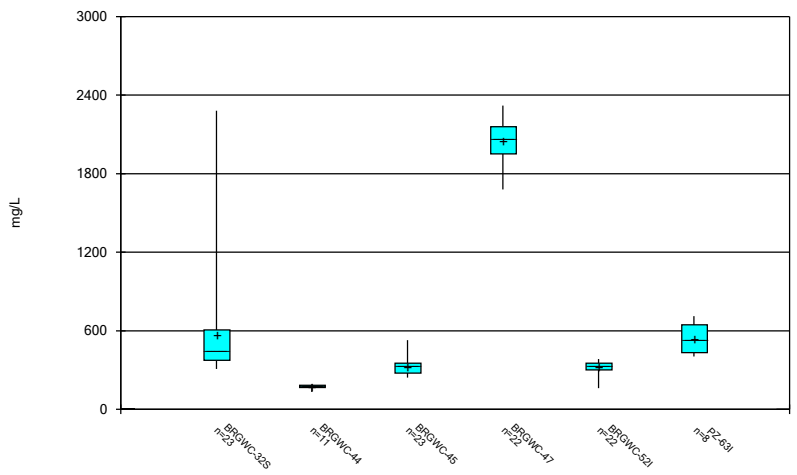


Constituent: TDS Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

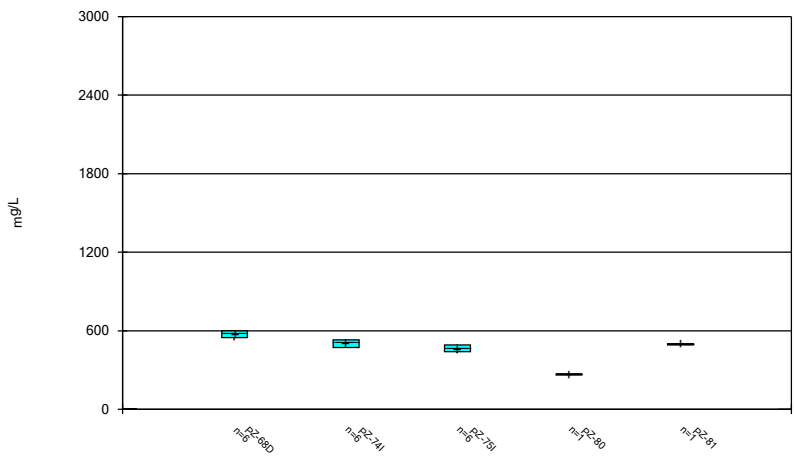


Constituent: TDS Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

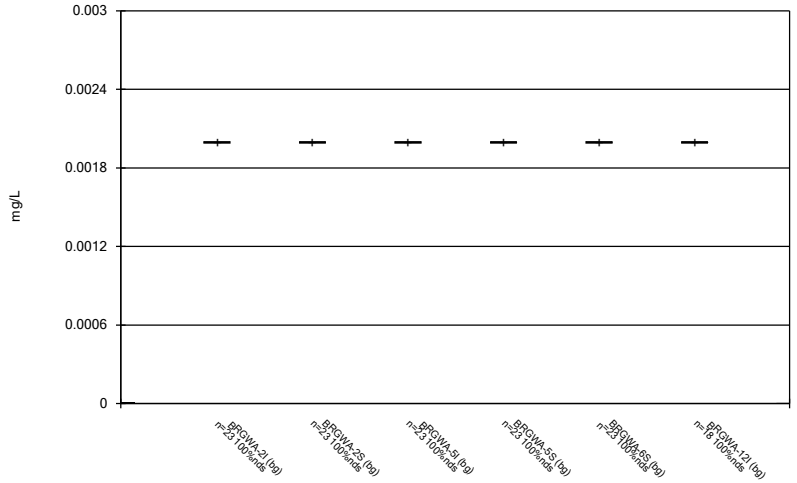


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

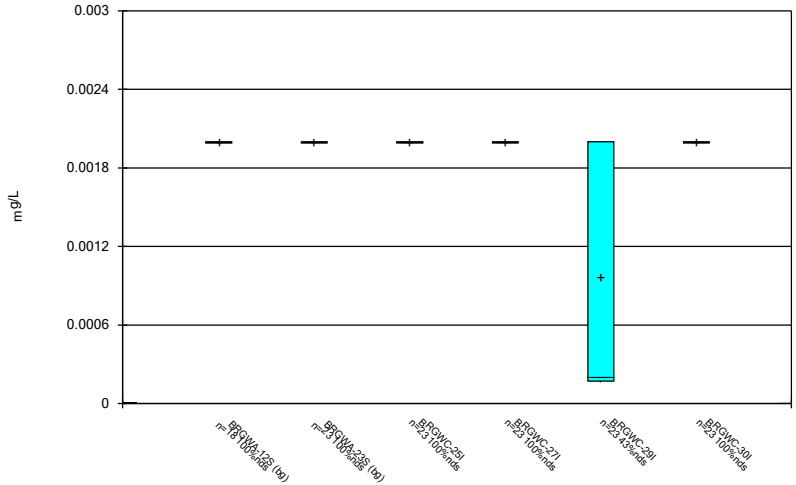


Constituent: Thallium Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

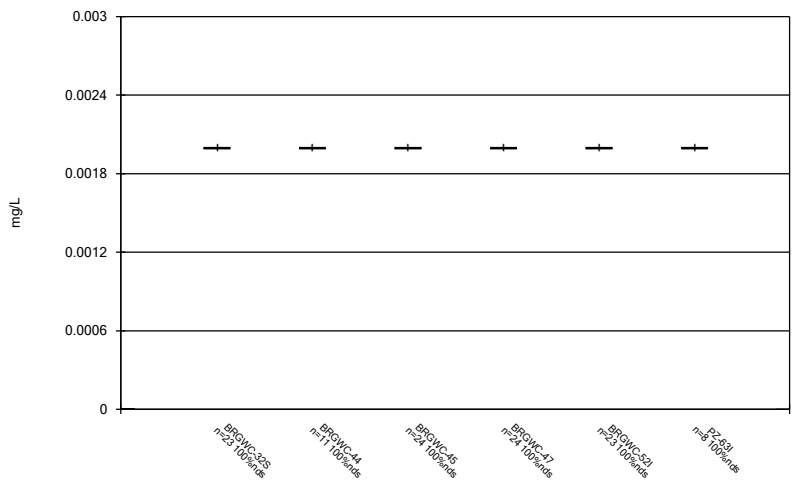


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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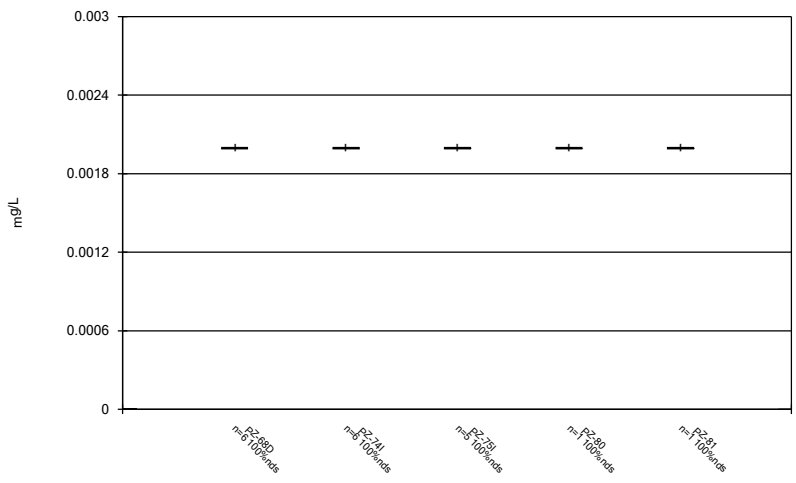


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Constituent: Thallium Analysis Run 10/27/2025 1:42 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE C.

Outlier Summary

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 1:35 PM

	BRGWC-52I Calcium (mg/L)	BRGWA-5I Cobalt (mg/L)	BRGWC-52I Fluoride (mg/L)	BRGWC-29I Lead (mg/L)	BRGWC-45 Lithium (mg/L)	BRGWA-6S TDS (mg/L)	BRGWC-47 TDS (mg/L)
9/1/2016						299 (O)	
2/13/2018		<0.01 (O)					
2/14/2018			<0.005 (O)				
6/27/2018							31 (O)
7/31/2018				<0.25 (O)			
8/10/2018	410 (O)		1.6 (O)				

FIGURE D.

Appendix III Interwell Prediction Limits - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 1:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BRGWC-25I	0.068	n/a	8/28/2025	1.65	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-27I	0.068	n/a	8/26/2025	1.17	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-29I	0.068	n/a	8/26/2025	1.04	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-30I	0.068	n/a	8/27/2025	1.75	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-32S	0.068	n/a	8/26/2025	0.833	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-44	0.068	n/a	8/27/2025	0.98	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-47	0.068	n/a	8/26/2025	0.647	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	BRGWC-52I	0.068	n/a	8/27/2025	1.42	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	PZ-63I	0.068	n/a	8/27/2025	0.611	Yes	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Calcium (mg/L)	BRGWC-25I	24	n/a	8/28/2025	74.7	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-27I	24	n/a	8/26/2025	56.5	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-29I	24	n/a	8/26/2025	84.6	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-30I	24	n/a	8/27/2025	493	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-32S	24	n/a	8/26/2025	31	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-44	24	n/a	8/27/2025	26.7	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-45	24	n/a	8/26/2025	67	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-47	24	n/a	8/26/2025	304	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-52I	24	n/a	8/27/2025	42.5	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Calcium (mg/L)	PZ-63I	24	n/a	8/27/2025	77.3	Yes	168	n/a	n/a	3.571	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-25I	5.8	n/a	8/28/2025	13.3	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-29I	5.8	n/a	8/26/2025	8.6	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-44	5.8	n/a	8/27/2025	6.58	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-45	5.8	n/a	8/26/2025	18.3	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-52I	5.8	n/a	8/27/2025	6.96	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-63I	5.8	n/a	8/27/2025	8.33	Yes	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-29I	7.024	5.549	8/26/2025	4.52	Yes	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	BRGWC-25I	89	n/a	8/28/2025	201	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-27I	89	n/a	8/26/2025	146	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-29I	89	n/a	8/26/2025	309	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-30I	89	n/a	8/27/2025	1290	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-32S	89	n/a	8/26/2025	166	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-45	89	n/a	8/26/2025	277	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-47	89	n/a	8/26/2025	1220	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-52I	89	n/a	8/27/2025	150	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-63I	89	n/a	8/27/2025	436	Yes	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
TDS (mg/L)	BRGWC-25I	181.8	n/a	8/28/2025	443	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-27I	181.8	n/a	8/26/2025	275	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-29I	181.8	n/a	8/26/2025	503	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-30I	181.8	n/a	8/27/2025	2200	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-32S	181.8	n/a	8/26/2025	309	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-45	181.8	n/a	8/26/2025	527	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-47	181.8	n/a	8/26/2025	1940	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-52I	181.8	n/a	8/27/2025	308	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-63I	181.8	n/a	8/27/2025	712	Yes	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 1:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	**BRGWC-25I**	**0.068**	**n/a**	**8/28/2025**	**1.65**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-27I**	**0.068**	**n/a**	**8/26/2025**	**1.17**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-29I**	**0.068**	**n/a**	**8/26/2025**	**1.04**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-30I**	**0.068**	**n/a**	**8/27/2025**	**1.75**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-32S**	**0.068**	**n/a**	**8/26/2025**	**0.833**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-44**	**0.068**	**n/a**	**8/27/2025**	**0.98**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	BRGWC-45	0.068	n/a	8/26/2025	0.0598	No	166	n/a	n/a	51.81	n/a	n/a	0.00007164	NP Inter (NDs) 1 of 2
Boron (mg/L)	**BRGWC-47**	**0.068**	**n/a**	**8/26/2025**	**0.647**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**BRGWC-52I**	**0.068**	**n/a**	**8/27/2025**	**1.42**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**PZ-63I**	**0.068**	**n/a**	**8/27/2025**	**0.611**	**Yes**	**166**	**n/a**	**n/a**	**51.81**	**n/a**	**n/a**	**0.00007164**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**BRGWC-25I**	**24**	**n/a**	**8/28/2025**	**74.7**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-27I**	**24**	**n/a**	**8/26/2025**	**56.5**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-29I**	**24**	**n/a**	**8/26/2025**	**84.6**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-30I**	**24**	**n/a**	**8/27/2025**	**493**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-32S**	**24**	**n/a**	**8/26/2025**	**31**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-44**	**24**	**n/a**	**8/27/2025**	**26.7**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-45**	**24**	**n/a**	**8/26/2025**	**67**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-47**	**24**	**n/a**	**8/26/2025**	**304**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-52I**	**24**	**n/a**	**8/27/2025**	**42.5**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**PZ-63I**	**24**	**n/a**	**8/27/2025**	**77.3**	**Yes**	**168**	**n/a**	**n/a**	**3.571**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-25I**	**5.8**	**n/a**	**8/28/2025**	**13.3**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-27I	5.8	n/a	8/26/2025	3.1	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-29I**	**5.8**	**n/a**	**8/26/2025**	**8.6**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-30I	5.8	n/a	8/27/2025	2.76	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-32S	5.8	n/a	8/26/2025	4.04	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-44**	**5.8**	**n/a**	**8/27/2025**	**6.58**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-45**	**5.8**	**n/a**	**8/26/2025**	**18.3**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-47	5.8	n/a	8/26/2025	4.88	No	168	n/a	n/a	0	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-52I**	**5.8**	**n/a**	**8/27/2025**	**6.96**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-63I**	**5.8**	**n/a**	**8/27/2025**	**8.33**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	BRGWC-25I	0.42	n/a	8/28/2025	0.247	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-27I	0.42	n/a	8/26/2025	0.186	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-29I	0.42	n/a	8/26/2025	0.109	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-30I	0.42	n/a	8/27/2025	0.149	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-32S	0.42	n/a	8/26/2025	0.0564J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-44	0.42	n/a	8/27/2025	0.107	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-45	0.42	n/a	8/26/2025	0.0663J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-47	0.42	n/a	8/26/2025	0.0971J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-52I	0.42	n/a	8/27/2025	0.0985J	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-63I	0.42	n/a	8/27/2025	0.141	No	182	n/a	n/a	44.51	n/a	n/a	0.0000594	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-25I	7.024	5.549	8/28/2025	6.34	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-27I	7.024	5.549	8/26/2025	5.79	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-29I**	**7.024**	**5.549**	**8/26/2025**	**4.52**	**Yes**	**188**	**6.286**	**0.3799**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-30I	7.024	5.549	8/27/2025	6.3	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-32S	7.024	5.549	8/26/2025	6.14	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-44	7.024	5.549	8/27/2025	5.95	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-45	7.024	5.549	8/26/2025	5.8	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-47	7.024	5.549	8/26/2025	5.79	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-52I	7.024	5.549	8/27/2025	6.19	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	PZ-63I	7.024	5.549	8/27/2025	5.57	No	188	6.286	0.3799	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	**BRGWC-25I**	**89**	**n/a**	**8/28/2025**	**201**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-27I**	**89**	**n/a**	**8/26/2025**	**146**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-29I**	**89**	**n/a**	**8/26/2025**	**309**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-30I**	**89**	**n/a**	**8/27/2025**	**1290**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-32S**	**89**	**n/a**	**8/26/2025**	**166**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BRGWC-44	89	n/a	8/27/2025	42	No	168	n/a	n/a	10.12	n/a	n/a	0.00007006	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BRGWC-45**	**89**	**n/a**	**8/26/2025**	**277**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-47**	**89**	**n/a**	**8/26/2025**	**1220**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-52I**	**89**	**n/a**	**8/27/2025**	**150**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**PZ-63I**	**89**	**n/a**	**8/27/2025**	**436**	**Yes**	**168**	**n/a**	**n/a**	**10.12**	**n/a**	**n/a**	**0.00007006**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BRGWC-25I**	**181.8**	**n/a**	**8/28/2025**	**443**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-27I**	**181.8**	**n/a**	**8/26/2025**	**275**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-29I**	**181.8**	**n/a**	**8/26/2025**	**503**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-30I**	**181.8**	**n/a**	**8/27/2025**	**2200**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-32S**	**181.8**	**n/a**	**8/26/2025**	**309**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	BRGWC-44	181.8	n/a	8/27/2025	176	No	167	101	41.65	1.198	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**BRGWC-45**	**181.8**	**n/a**	**8/26/2025**	**527**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-47**	**181.8**	**n/a**	**8/26/2025**	**1940**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 1:55 PM

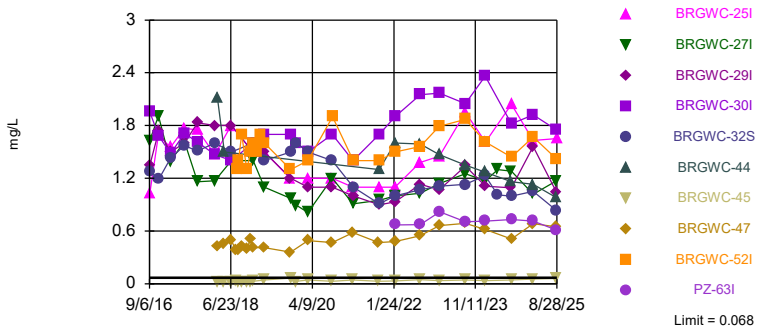
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	**BRGWC-52I**	**181.8**	**n/a**	**8/27/2025**	**308**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-63I**	**181.8**	**n/a**	**8/27/2025**	**712**	**Yes**	**167**	**101**	**41.65**	**1.198**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

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Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I,..

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 166 background values. 51.81% NDs. Annual per-constituent alpha = 0.001432. Individual comparison alpha = 0.00007164 (1 of 2). Comparing 10 points to limit.

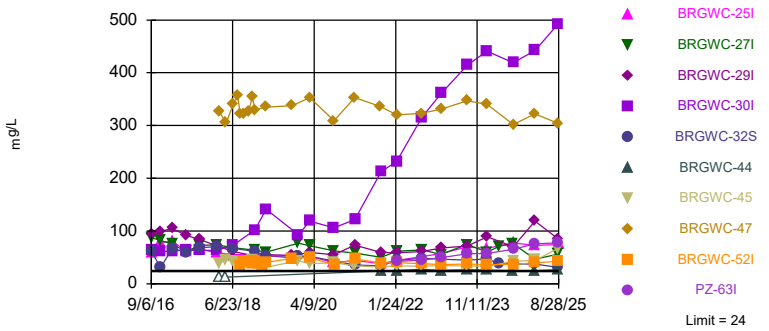
Constituent: Boron Analysis Run 10/23/2025 1:53 PM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47,..

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 168 background values. 3.571% NDs. Annual per-constituent alpha = 0.0014. Individual comparison alpha = 0.00007006 (1 of 2). Comparing 10 points to limit.

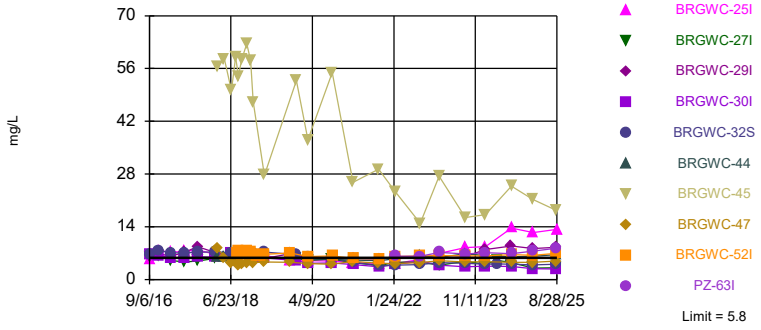
Constituent: Calcium Analysis Run 10/23/2025 1:53 PM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Exceeds Limit: BRGWC-25I, BRGWC-29I, BRGWC-44, BRGWC-45, BRGWC-52I, PZ-63I

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 168 background values. Annual per-constituent alpha = 0.0014. Individual comparison alpha = 0.00007006 (1 of 2). Comparing 10 points to limit.

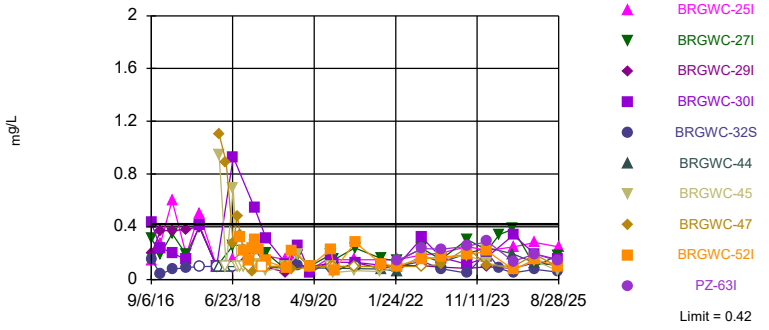
Constituent: Chloride Analysis Run 10/23/2025 1:53 PM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 182 background values. 44.51% NDs. Annual per-constituent alpha = 0.001187. Individual comparison alpha = 0.0000594 (1 of 2). Comparing 10 points to limit.

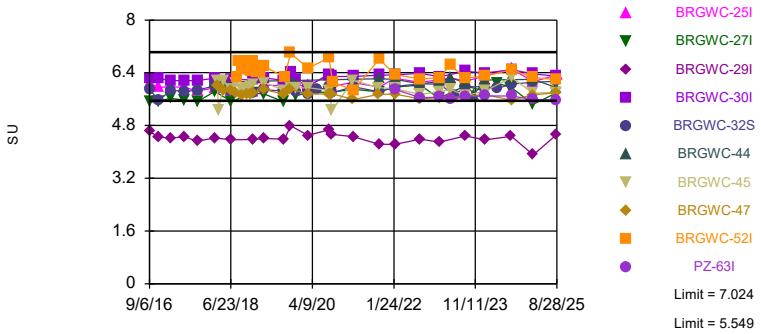
Constituent: Fluoride Analysis Run 10/23/2025 1:53 PM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Exceeds Limits: BRGWC-29I

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=6.286, Std. Dev.=0.3799, n=188. Normality test: Chi Squared @alpha = 0.01, calculated = 8.277, critical = 14.07. Kappa = 1.942 (c=7, w=10, 1 of 2, event alpha = 0.05132). N exceeds UG tables; Kappa based on n=150. Report alpha = 0.007498. Individual comparison alpha = 0.0003761. Comparing 10 points to limit.

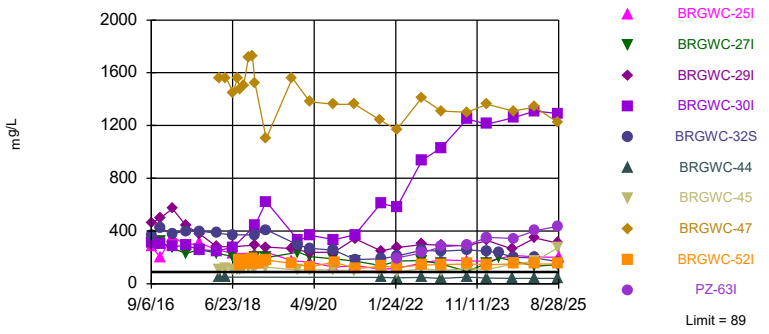
Constituent: pH, Field Analysis Run 10/23/2025 1:53 PM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I,..

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 168 background values. 10.12% NDs. Annual per-constituent alpha = 0.0014. Individual comparison alpha = 0.00007006 (1 of 2). Comparing 10 points to limit.

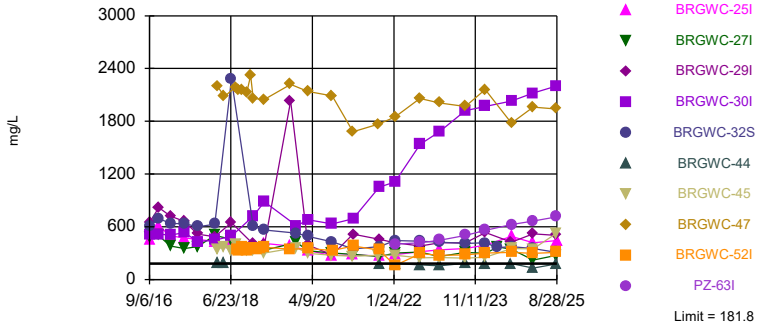
Constituent: Sulfate Analysis Run 10/23/2025 1:53 PM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I,..

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=101, Std. Dev.=41.65, n=167, 1.198% NDs. Normality test: Chi Squared @alpha = 0.01, calculated = 10.07, critical = 14.07. Kappa = 1.942 (c=7, w=10, 1 of 2, event alpha = 0.05132). N exceeds UG tables; Kappa based on n=150. Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: TDS Analysis Run 10/23/2025 1:53 PM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	0.0072 (J)	<0.015	<0.015	<0.015					
9/1/2016					0.0093 (J)	<0.015	<0.015		
9/6/2016								1.96	0.0362 (J)
9/8/2016									
11/15/2016		0.0085 (J)					0.0123 (J)		
11/16/2016	0.0117 (J)		0.0187 (J)	0.0109 (J)	0.0127 (J)	0.0081 (J)			
11/17/2016									0.0617
11/18/2016									
11/21/2016								1.68	
2/20/2017		0.0093 (J)	0.0066 (J)				0.0157 (J)		
2/21/2017	0.0088 (J)			<0.015	0.0071 (J)	<0.015			0.0245 (J)
2/22/2017								1.48	
6/12/2017	0.0133 (J)	<0.015	<0.015				<0.015		
6/13/2017				<0.015		<0.015			<0.015
6/14/2017					0.0078 (J)			1.71	
9/26/2017	0.0093 (J)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015
9/27/2017								1.61	
2/13/2018	0.0141 (J)	<0.015	<0.015	<0.015			<0.015		
2/14/2018					0.0068 (J)	<0.015		1.47	0.0314 (J)
3/6/2018									
5/1/2018									
6/26/2018	0.012 (J)	0.0056 (J)	0.0042 (J)	<0.015	0.008 (J)	<0.015	0.0041 (J)		0.062
6/27/2018									
6/28/2018								1.4	
7/31/2018									
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	0.0086 (J)	0.0062 (J)	<0.015	<0.015	0.0083 (J)	0.0053 (J)	<0.015	1.6	0.055
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	0.0055 (J)	<0.015	<0.015	<0.015	0.008 (J)	<0.015	<0.015		0.068
3/20/2019								1.7	
10/15/2019	0.0067 (J)	0.006 (J)	<0.015	<0.015	0.006 (J)	<0.015	0.01 (J)		0.022 (J)
10/16/2019									
10/17/2019								1.7	
12/3/2019									
12/4/2019								1.6	
3/3/2020	0.0082 (J)	<0.015	<0.015	<0.015	0.01 (J)	0.0065 (J)	<0.015		
3/4/2020									0.044 (J)
3/5/2020								1.5	
9/15/2020	<0.015	<0.015	<0.015	<0.015	0.0071 (J)	<0.015	<0.015		0.033 (J)
9/16/2020								1.7	
9/17/2020									
3/1/2021	<0.015						<0.015		
3/2/2021		0.0071 (J)	0.0053 (J)	<0.015	0.0057 (J)	<0.015			0.042
3/3/2021								1.4	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWC-30I	BRGWA-23S (bg)
3/4/2021									
9/21/2021		<0.015	<0.015		<0.015	<0.015			
9/22/2021	<0.015			<0.015			<0.015		0.047
9/23/2021									
9/28/2021								1.7	
2/1/2022	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		0.046
2/2/2022								1.9	
2/3/2022									
2/4/2022									
8/23/2022	0.00592 (J)	0.00538 (J)	<0.015	0.00532 (J)	0.00653 (J)	<0.015	<0.015		0.0498
8/24/2022								2.15	
8/25/2022									
1/24/2023	<0.015	<0.015	<0.015	<0.015	0.00884 (J)	0.0053 (J)	<0.015		0.0437
1/25/2023									
1/26/2023								2.17	
1/30/2023									
8/22/2023	0.00649 (J)	0.00764 (J)	0.0073 (J)	0.00738 (J)			0.00611 (J)	2.05	0.039
8/23/2023									
8/24/2023									
1/30/2024	<0.015	<0.015	<0.015	<0.015			<0.015	2.36	0.0389
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	<0.015	0.00538 (J)	<0.015	<0.015			<0.015		0.0315
8/28/2024								1.82	
8/29/2024									
2/18/2025	<0.015	0.00548 (J)	0.00591 (J)	<0.015			<0.015		0.0393
2/19/2025								1.92	
8/26/2025	0.00739 (J)	0.00822 (J)	0.007 (J)	0.00735 (J)			0.00675 (J)		
8/27/2025								1.75	0.0257
8/28/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-32S	BRGWC-25I	BRGWC-45	BRGWC-44	BRGWC-47	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	1.63	1.35	1.28	1.03					
11/15/2016									
11/16/2016									
11/17/2016				1.7					
11/18/2016	1.91								
11/21/2016		1.74	1.19						
2/20/2017									
2/21/2017	1.39			1.55					
2/22/2017		1.5	1.43						
6/12/2017									
6/13/2017	1.62			1.77					
6/14/2017		1.6	1.57						
9/26/2017									
9/27/2017	1.16	1.83	1.51	1.75					
2/13/2018									
2/14/2018	1.17	1.8	1.6	1.47					
3/6/2018					0.0198 (J)	2.12	0.428		
5/1/2018					0.015 (J)	1.5	0.45		
6/26/2018				1.8					
6/27/2018	1.4	1.8	1.5				0.49		
6/28/2018					0.025 (J)				
7/31/2018					0.035 (J)				
8/1/2018							0.39		
8/10/2018								1.3	
8/23/2018					0.022 (J)		0.39	1.4	
9/19/2018					0.021 (J)		0.43	1.7	
10/29/2018					0.021 (J)		0.4	1.3	
11/28/2018					0.026 (J)		0.51	1.5	
12/18/2018		1.5		1.5					
12/19/2018			1.6				0.41		
12/20/2018	1.4				0.028 (J)			1.6	
1/17/2019								1.5	
2/13/2019								1.7	
3/19/2019	1.1						0.41		
3/20/2019		1.5	1.4	1.5	0.043			1.6	
10/15/2019				1.2					
10/16/2019		1.2					0.36	1.3	
10/17/2019	0.97		1.5		0.064				
12/3/2019					0.027 (J)				
12/4/2019	0.89		1.6						
3/3/2020									
3/4/2020	0.81	1.1		1.2			0.49	1.4	
3/5/2020			1.5		0.044 (J)				
9/15/2020		1.1		1.2					
9/16/2020	1.2		1.4		0.028 (J)		0.47		
9/17/2020								1.9	
3/1/2021									
3/2/2021				1.1	0.044		0.58		
3/3/2021	0.91	1							

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-32S	BRGWC-25I	BRGWC-45	BRGWC-44	BRGWC-47	BRGWC-52I	PZ-63I
3/4/2021			1.1					1.4	
9/21/2021									
9/22/2021									
9/23/2021					0.029 (J)		0.47		
9/28/2021	0.95	0.9	0.91	1.1		1.3		1.4	
2/1/2022									
2/2/2022			1	1.1	0.034 (J)	1.6	0.48	1.5	
2/3/2022		0.93							
2/4/2022	1								0.67
8/23/2022				1.38			0.547		
8/24/2022		1.13							
8/25/2022	1.03		1.07		0.0458	1.59		1.56	0.672
1/24/2023			1.11						
1/25/2023	1.14				0.0355	1.47		1.79	
1/26/2023		1.07		1.45			0.661		
1/30/2023									0.82
8/22/2023			1.13						
8/23/2023						1.35			0.706
8/24/2023	1.25	1.34		1.95	0.0444		0.689	1.87	
1/30/2024			1.23			1.27	0.618		
1/31/2024	1.17	1.11		1.61					
2/1/2024					0.0355			1.61	0.714
5/8/2024	1.3		1.01						
8/27/2024	1.28	1.09				1.16			
8/28/2024			0.996				0.508	1.44	
8/29/2024				2.04	0.0431				0.731
2/18/2025							0.682		
2/19/2025	1.02	1.56	1.05	1.63	0.0537	1.13		1.67	0.712
8/26/2025	1.17	1.04	0.833		0.0598		0.647		
8/27/2025						0.98		1.42	0.611
8/28/2025				1.65					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-6S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	12.6	19.6	4.09	13.5					
9/1/2016					3.3	4.61	8.98		
9/6/2016								63.3	12.8
9/8/2016									
11/15/2016		21.7			3.44				
11/16/2016	12.1		4.25	14.9		4.17	15.4		
11/17/2016									19.2
11/18/2016									
11/21/2016								60.7	
2/20/2017		21.1		13.9	3.52				
2/21/2017	11.4		4.02			5	17.4		15.1
2/22/2017								62.1	
6/12/2017	9.34	21.5		13.7	3.11				
6/13/2017			3.84			4.98			10.2
6/14/2017							18.1	63.5	
9/26/2017	14.3	24	3.31	14.4	3.15	4.49	19.3		15
9/27/2017								63.5	
2/13/2018	<25	<25	3.94	<25	3.65				
2/14/2018						<25	<25	62.8	<25
3/6/2018									
5/1/2018									
6/26/2018	16 (J)	23.5 (J)	3.6	13.5 (J)	3.3	6.4	15.5 (J)		18.5 (J)
6/27/2018									
6/28/2018								73.3	
7/31/2018						6.1	18.2 (J)		
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	14.5 (J)	19.8 (J)	3.8	16.4 (J)	3.5	5.5	18.7 (J)	102	16.8 (J)
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	14.3 (J)	21.4 (J)	3.9	12.3 (J)	3.6	5.9	15.9 (J)		13.5 (J)
3/20/2019								141	
10/15/2019	15.1	20	3.7	14.4	3.5	6.2	15.9		8.6
10/16/2019									
12/3/2019									
12/4/2019								92.6	
3/3/2020	20	23.2	4	14.9	5	6.8	19.4		
3/4/2020									11.5
3/5/2020								119	
9/15/2020	14.1	16.8	3.9	12.7	3.7	5.7	14.5		10.7
9/16/2020								106	
9/17/2020									
3/1/2021	15.4				4.2				
3/2/2021		16.8	4	13.2		5.4	11.7		11.6
3/3/2021								122	
3/4/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-6S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
9/21/2021		19.1		14.1		5.4	16.4		
9/22/2021	15.9		4.3		4.1				9.2
9/23/2021									
9/28/2021								212	
2/1/2022	14.4	19.1	4.4	14.5	4.2	5.3	14.2		10.7
2/2/2022								232	
2/3/2022									
2/4/2022									
8/23/2022	13.9	18.2	4.65	14.3	3.97	6.09	15.8		8.09
8/24/2022								316	
8/25/2022									
1/24/2023	14.2	19.4	4.86	15.8	3.9	5.62	13.7		6.97
1/25/2023									
1/26/2023								361	
1/30/2023									
8/22/2023	12.6	14.9	5.02	14.3	3.79			414	5.95
8/23/2023									
8/24/2023									
1/30/2024	14.1	18.2	5.25	16	4.27			441	6.19
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	12.4	17.2	5.45	15.9	4.19				5.88
8/28/2024								419	
8/29/2024									
2/18/2025	13.8	16.5	5.76	16.9	4.11				7.17
2/19/2025								442	
8/26/2025	12.8	16.3	5.53	16.7	4.2				
8/27/2025								493	7.25
8/28/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-32S	BRGWC-25I	BRGWC-45	BRGWC-47	BRGWC-44	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	87.2	93.9	60.5	59.4					
11/15/2016									
11/16/2016									
11/17/2016				78.4					
11/18/2016	82.4								
11/21/2016		99.1	31.1						
2/20/2017									
2/21/2017	75.1			80.9					
2/22/2017		105	67.3						
6/12/2017									
6/13/2017	61			62					
6/14/2017		91.3	60.2						
9/26/2017									
9/27/2017	72.6	84	68.4	65.8					
2/13/2018									
2/14/2018	74.1	72.1	70.2	58.8					
3/6/2018					39.5	326	<25		
5/1/2018					45.5	305	<25		
6/26/2018				55.5					
6/27/2018	68.2	61.1	67.1			340			
6/28/2018					41.9				
7/31/2018					41.5				
8/1/2018						358			
8/10/2018								410 (O)	
8/23/2018					42.3	323		33.9	
9/19/2018					41.9	321		42.3	
10/29/2018					40.8	326		39.8	
11/28/2018					45.1	354		38.2	
12/18/2018		52.9		54.7					
12/19/2018			61.2			330			
12/20/2018	63.9				39			43.2	
1/17/2019								39.4	
2/13/2019								36.9	
3/19/2019	60.2					335			
3/20/2019		55.4	52.8	54.2	31.2			40.3	
10/15/2019				48.3					
10/16/2019		54				338		48.4	
12/3/2019					43.7				
12/4/2019	76.8		52.7						
3/3/2020									
3/4/2020	72.3	59.3		52		353		49.5	
3/5/2020			52.1		37.9				
9/15/2020		55.1		40.1					
9/16/2020	62.5		43.1		39.7	309			
9/17/2020								35.4	
3/1/2021									
3/2/2021				44.1	33.9	353			
3/3/2021	58.2	73.3							
3/4/2021			35.7					47.5	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-32S	BRGWC-25I	BRGWC-45	BRGWC-47	BRGWC-44	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021									
9/23/2021					32	336			
9/28/2021	50.4	59.5	33.9	38.4			24.2	39.5	
2/1/2022									
2/2/2022			44.2	44.3	33.8	320	25.1	40.1	
2/3/2022		58.7							
2/4/2022	61.7								42.2
8/23/2022				51.5		323			
8/24/2022		61							
8/25/2022	64		48.5		33.5		27.2	38.3	45.1
1/24/2023			46.6						
1/25/2023	55.7				34.3		25.1	36.3	
1/26/2023		68		57.6		331			
1/30/2023									49.8
8/22/2023			45.1						
8/23/2023							26.5		56.8
8/24/2023	74.4	71.4		69.6	34	347		37.4	
1/30/2024			47.4			340	26		
1/31/2024	60	89.3		67.4					
2/1/2024					32.8			36.4	57.3
5/8/2024	71.2		37.9						
8/27/2024	75.9	70.5					24.9		
8/28/2024			37.4			302		36.8	
8/29/2024				77.6	42.9				65.6
2/18/2025						322			
2/19/2025	46.4	119	37.7	73	44.3		24.5	40.1	75.5
8/26/2025	56.5	84.6	31		67	304			
8/27/2025							26.7	42.5	77.3
8/28/2025				74.7					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)	BRGWC-30I
8/31/2016	2.3	3.6	4.4	2					
9/1/2016					3.5	3.3	2.5		
9/6/2016								5.8	6.7
9/8/2016									
11/15/2016		4					2.3		
11/16/2016	2		4.4	1.8	3.6	3.6			
11/17/2016								4.3	
11/18/2016									
11/21/2016									6.5
2/20/2017		3.9	4.8				2.4		
2/21/2017	2			1.8	3.2	3.2		3.5	
2/22/2017									5.6
6/12/2017	2.1	3.8	4.2				2.2		
6/13/2017				1.7	3.3			3.2	
6/14/2017						3.1			5.7
9/26/2017	2	4.1	4.4	1.8	3.3	3.3	2.3	3.5	
9/27/2017									6
2/13/2018	2.1	4.1	4.7	1.7			2.3		
2/14/2018					3.5	3.1		3.8	5.9
3/6/2018									
5/1/2018									
6/26/2018	2.4	4.1	4.5	2.2	3.4	3.4	2.6	3.8	
6/27/2018									
6/28/2018									7
7/31/2018					2.9	2.6			
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	1.8	3.8	4.5	1.9	2.9	2.8	2.3	3.9	5.8
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	2.5	4.2	4.5	2	3.5	3.2	2.6	3.8	
3/20/2019									5.8
10/15/2019	2.2	3.7	4.2	1.9	3.4	3.1	2.4	3.5	
10/16/2019									
12/3/2019									
12/4/2019									5
3/3/2020	1.9	3.6	3.9	1.9	3.2	2.6	2.9		
3/4/2020								3.3	
3/5/2020									4.3
9/15/2020	1.9	3.7	3.7	1.7	3.5	2.4	2.3	3.1	
9/16/2020									4.4
9/17/2020									
3/1/2021	1.8						2.1		
3/2/2021		3.7	3.8	1.7	3.7	2.6		3.5	
3/3/2021									4
3/4/2021									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)	BRGWC-30I
9/21/2021		3.2	3.2		3.5	2.1			
9/22/2021	1.7			1.5			2.1	2.8	
9/23/2021									
9/28/2021									3.4
2/1/2022	1.8	3.4	3.5	1.6	3.6	2.2	2.1	3.2	
2/2/2022									4
2/3/2022									
2/4/2022									
8/23/2022	2.02	3.59	3.64	2.18	5.46	2.5	2.39	3.16	
8/24/2022									4.91
8/25/2022									
1/24/2023	2.09	3.56	3.93	2.16	3.79	2.49	2.3	2.88	
1/25/2023									
1/26/2023									3.82
1/30/2023									
8/22/2023	1.9	3.37	3.53	2.14			2.34	2.41	3.35
8/23/2023									
8/24/2023									
1/30/2024	2.35	3.52	3.98	2.14			3.23	2.4	3.52
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	2.16	3.49	3.88	2.17			2.28	2.16	
8/28/2024									3.48
8/29/2024									
2/18/2025	2.09	3.34	4.05	2.09			2.25	2.16	
2/19/2025									2.9
8/26/2025	2.1	3.34	4	2.05			2.21		
8/27/2025								2.13	2.76
8/28/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-25I	BRGWC-32S	BRGWC-29I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	6	5.5	6.8	6.4					
11/15/2016									
11/16/2016									
11/17/2016		7.7							
11/18/2016	6.3								
11/21/2016			7.8	6.9					
2/20/2017									
2/21/2017	5.1	7.3							
2/22/2017			7	6.2					
6/12/2017									
6/13/2017	4.7	7.5							
6/14/2017			7.1	7.2					
9/26/2017									
9/27/2017	4.9	7.9	7.2	8.7					
2/13/2018									
2/14/2018	5.6	6.7	7.4	7.2					
3/6/2018					8.4	6	56.6		
5/1/2018					5.8	6	58.5		
6/26/2018		6.7							
6/27/2018	5.9		7.1	6.3	4.4				
6/28/2018							50.2		
7/31/2018							59		
8/1/2018					5.2				
8/10/2018								6.9	
8/23/2018					3.6		54	7.5	
9/19/2018					4.1		58.4	6.6	
10/29/2018					4.3		62.6	7.8	
11/28/2018					5.1		58.1	7.2	
12/18/2018		6.2		5.4					
12/19/2018			7		4.5				
12/20/2018	5.6						47.2	6.6	
1/17/2019								6.4	
2/13/2019								6.5	
3/19/2019	5.8				4.7				
3/20/2019		6.4	7.3	5.6			27.7	6.7	
10/15/2019		5							
10/16/2019				6.9	4.6			7	
12/3/2019							52.8		
12/4/2019	5.6		6.6						
3/3/2020									
3/4/2020	5.1	5		5.8	4.2			6.1	
3/5/2020			6				37.1		
9/15/2020		4.9		5.5					
9/16/2020	5.4		5.6		4.1		54.9		
9/17/2020								6.3	
3/1/2021									
3/2/2021		4.5			4.8		25.8		
3/3/2021	4.5			5.6					
3/4/2021			4.6					5.6	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-25I	BRGWC-32S	BRGWC-29I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021									
9/23/2021					4.3		29.3		
9/28/2021	3.7	4.2	3.6	5.4		5		5.5	
2/1/2022									
2/2/2022		4.2	3.8		4.2	5.5	23.4	6.1	
2/3/2022				6.1					
2/4/2022	4.6								6.2
8/23/2022		5.38			4.49				
8/24/2022				5.84					
8/25/2022	4.65		3.96			6.28	14.9	6.27	6.15
1/24/2023			4.49						
1/25/2023	3.81					5.84	27.4	6.35	
1/26/2023		6.96		5.59	4.96				
1/30/2023									7.18
8/22/2023			4.3						
8/23/2023						6.83			6.81
8/24/2023	4.81	8.47		6.08	4.67		16.5	6.28	
1/30/2024			4.1		4.74	6.36			
1/31/2024	4.05	8.73		7.94					
2/1/2024							17.2	6.3	7.16
5/8/2024	5.06		4.11						
8/27/2024	4.47			8.87		5.99			
8/28/2024			4.09		4.57			6.58	
8/29/2024		13.7					24.8		6.86
2/18/2025					4.54				
2/19/2025	3.08	12.5	3.9	8.25		6.18	21.2	6.43	7.57
8/26/2025	3.1		4.04	8.6	4.88		18.3		
8/27/2025						6.58		6.96	8.33
8/28/2025		13.3							

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	0.11 (J)	0.07 (J)	0.19 (J)	0.05 (J)					
9/1/2016					0.06 (J)	0.2 (J)	0.05 (J)		
9/6/2016								0.43	0.42
9/8/2016									
11/15/2016			0.08 (J)		0.04 (J)				
11/16/2016	0.05 (J)	0.03 (J)		0.04 (J)		0.14 (J)	0.03 (J)		
11/17/2016									0.15 (J)
11/18/2016									
11/21/2016								0.24 (J)	
2/20/2017		0.06 (J)	0.08 (J)		0.04 (J)				
2/21/2017	0.14 (J)			0.05 (J)		0.16 (J)	0.04 (J)		0.1 (J)
2/22/2017								0.2 (J)	
6/12/2017	0.16 (J)	0.008 (J)	0.07 (J)		0.06 (J)				
6/13/2017				0.04 (J)			0.008 (J)		0.07 (J)
6/14/2017						0.09 (J)		0.15 (J)	
9/26/2017	0.14 (J)	<0.1	0.04 (J)	<0.1	<0.1	0.1 (J)	<0.1		<0.1
9/27/2017								0.41	
2/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1				
2/14/2018						<0.1	<0.1	<0.1	<0.1
3/6/2018									
5/1/2018									
6/26/2018	0.085 (J)	0.045 (J)	0.072 (J)	0.048 (J)	0.041 (J)	0.079 (J)	0.042 (J)		0.053 (J)
6/27/2018									
6/28/2018								0.93	
7/31/2018									
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	0.085 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.54	<0.1
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	0.066 (J)	<0.1	0.06 (J)	0.037 (J)	0.03 (J)	<0.1	<0.1		<0.1
3/20/2019								0.31	
8/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12 (J)	
8/28/2019									
8/29/2019									0.084 (J)
10/15/2019	<0.1	<0.1	0.045 (J)	<0.1	<0.1	0.047 (J)	<0.1		<0.1
10/16/2019									
12/3/2019									
12/4/2019								0.26 (J)	
3/3/2020	0.066 (J)	<0.1	0.057 (J)	0.05 (J)	0.09 (J)	0.056 (J)	<0.1		
3/4/2020									<0.1
3/5/2020								0.051 (J)	
8/18/2020	<0.1	<0.1	<0.1	<0.1	<0.1	0.052 (J)	<0.1		<0.1
8/19/2020								0.14	
8/20/2020									
9/15/2020	<0.1	<0.1	0.051 (J)	<0.1	<0.1	0.062 (J)	<0.1		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWC-30I	BRGWA-23S (bg)
9/16/2020								0.13	
9/17/2020									
3/1/2021	<0.1				<0.1				
3/2/2021		<0.1	<0.1	<0.1		0.061 (J)	<0.1		<0.1
3/3/2021								0.13	
3/4/2021									
9/21/2021		<0.1	0.056 (J)			0.071 (J)	<0.1		
9/22/2021	<0.1			<0.1	<0.1				0.069 (J)
9/23/2021									
9/28/2021								0.11	
2/1/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.055 (J)	<0.1		<0.1
2/2/2022								0.1	
2/3/2022									
2/4/2022									
8/23/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.151	0.129		0.157
8/24/2022								0.318	
8/25/2022									
1/24/2023	<0.1	0.149	0.158	<0.1	0.12	0.214	0.0926 (J)		0.231
1/25/2023									
1/26/2023								0.167	
1/30/2023									
8/22/2023	0.267	0.289	0.277	0.229	0.0787 (J)			0.116	0.114
8/23/2023									
8/24/2023									
1/30/2024	<0.1	0.232	0.233	0.184	0.0341 (J)			0.169	0.275
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	0.0342 (J)	0.0365 (J)	0.0516 (J)	0.0426 (J)	0.0334 (J)				0.204
8/28/2024								0.336 (J)	
8/29/2024									
2/18/2025	0.0566 (J)	0.0553 (J)	0.0749 (J)	0.0709 (J)	0.0527 (J)				0.0974 (J)
2/19/2025								0.194	
8/26/2025	0.0368 (J)	<0.1	0.0557 (J)	0.0487 (J)	0.0343 (J)				
8/27/2025								0.149	0.0836 (J)
8/28/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-32S	BRGWC-25I	BRGWC-27I	BRGWC-47	BRGWC-45	BRGWC-44	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	0.2 (J)	0.15 (J)	0.14 (J)	0.31					
11/15/2016									
11/16/2016									
11/17/2016			0.27 (J)						
11/18/2016				0.19 (J)					
11/21/2016	0.37	0.04 (J)							
2/20/2017									
2/21/2017			0.6	0.35					
2/22/2017	0.37	0.08 (J)							
6/12/2017									
6/13/2017			0.19 (J)	0.19 (J)					
6/14/2017	0.38	0.09 (J)							
9/26/2017									
9/27/2017	0.4	<0.1	0.5	0.4					
2/13/2018									
2/14/2018	<0.1	<0.1	<0.1	<0.1					
3/6/2018					1.1	0.94	<0.1		
5/1/2018					0.89	<0.1	<0.1		
6/26/2018			0.15 (J)						
6/27/2018	0.085 (J)	<0.1		0.26 (J)	0.27 (J)				
6/28/2018						0.69			
7/31/2018						<0.1			
8/1/2018					0.48				
8/10/2018								1.6 (O)	
8/23/2018					0.34	<0.1		0.32	
9/19/2018					0.23 (J)	<0.1		0.22 (J)	
10/29/2018					<0.1	<0.1		0.14 (J)	
11/28/2018					0.063 (J)	<0.1		0.24 (J)	
12/18/2018	0.26 (J)		0.29 (J)						
12/19/2018		0.23 (J)			0.28 (J)				
12/20/2018				0.26 (J)		0.12 (J)		0.3	
1/17/2019								0.23 (J)	
2/13/2019								<0.1	
3/19/2019				0.2 (J)	<0.1				
3/20/2019	0.091 (J)	<0.1	0.18 (J)			0.066 (J)		0.14 (J)	
8/27/2019		<0.1	0.15 (J)						
8/28/2019	0.055 (J)			0.074 (J)	<0.1	<0.1			
8/29/2019								0.087 (J)	
10/15/2019			0.16 (J)						
10/16/2019	0.11 (J)				0.076 (J)			0.22 (J)	
12/3/2019						0.19 (J)			
12/4/2019		0.11 (J)		0.18 (J)					
3/3/2020									
3/4/2020	<0.1		0.07 (J)	<0.1	<0.1			0.1 (J)	
3/5/2020		<0.1				<0.1			
8/18/2020									
8/19/2020	0.12	<0.1	0.17	0.19					
8/20/2020					<0.1	<0.1		0.23	
9/15/2020	0.057 (J)		0.15						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-32S	BRGWC-25I	BRGWC-27I	BRGWC-47	BRGWC-45	BRGWC-44	BRGWC-52I	PZ-63I
9/16/2020		<0.1		0.15	<0.1	0.052 (J)			
9/17/2020								0.074 (J)	
3/1/2021									
3/2/2021			0.15		<0.1	0.067 (J)			
3/3/2021	0.13			0.24					
3/4/2021		<0.1						0.28	
9/21/2021									
9/22/2021									
9/23/2021					<0.1	0.06 (J)			
9/28/2021	0.081 (J)	<0.1	0.15	0.16			0.08 (J)	0.12	
2/1/2022									
2/2/2022		<0.1	0.15		<0.1	<0.1	0.065 (J)	0.098 (J)	
2/3/2022	0.11								
2/4/2022				0.14					0.14
8/23/2022			0.186		<0.1				
8/24/2022	0.103								
8/25/2022		0.138		0.234		0.166	0.184	0.157	0.235
1/24/2023		0.082 (J)							
1/25/2023				0.152		0.163	0.13	0.169	
1/26/2023	0.0935 (J)		0.202		0.117				
1/30/2023									0.23
8/22/2023		0.0477 (J)							
8/23/2023							0.195		0.252
8/24/2023	0.0849 (J)		0.25	0.302	0.243	0.185		0.188 (J)	
1/30/2024		0.207			0.11		0.242		
1/31/2024	0.0968 (J)		0.221	0.222					
2/1/2024						0.126		0.215	0.289
5/8/2024		0.0853 (J)		0.342					
8/27/2024	0.0849 (J)			0.382			0.193		
8/28/2024		0.0511 (J)			<0.1			0.0748 (J)	
8/29/2024			0.248			0.078 (J)			0.139
2/18/2025					0.189				
2/19/2025	0.129	0.0774 (J)	0.281	0.0997 (J)		0.142	0.127	0.152	0.194
8/26/2025	0.109	0.0564 (J)		0.186	0.0971 (J)	0.0663 (J)			
8/27/2025							0.107	0.0985 (J)	0.141
8/28/2025			0.247						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWA-23S (bg)	BRGWC-30I
8/31/2016	7.16	6.53	6.59	6.2					
9/1/2016					6	6.49	6.71		
9/6/2016								6.49	6.23
9/8/2016									
11/15/2016			6.67			6.59			
11/16/2016	6.96	6.4		6.12	6		6.15		
11/17/2016								5.79	
11/18/2016									
11/21/2016									6.23
2/20/2017		6.44	6.65			6.61			
2/21/2017	7.15			6.24	6.09		6.52	6.15	
2/22/2017									6.16
6/12/2017	7.31	6.4	6.64						
6/13/2017				6.19	6.03			5.87	
6/14/2017							6.51		6.16
9/26/2017	7.02	6.31	6.58	6.15	5.85	6.47	6.42	5.82	
9/27/2017									6.16
2/13/2018	7.44	6.62	6.72	6.18		6.54			
2/14/2018					5.99		6.48	5.83	6.24
3/6/2018									
3/15/2018									
5/1/2018									
6/26/2018	6.93	6.29	6.43	6.05	5.86	6.23	6.2	5.73	
6/27/2018									
6/28/2018									6.21
7/31/2018					5.99		6.37		
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	6.76	6.57	6.7	5.92	6.08	6.71	6.5	5.78	6.18
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	6.87	6.45	6.63	6.18	5.71	6.18	6.28	5.28	
3/20/2019									6.24
8/27/2019	6.79	6.37	6.49	6.09	6	6.35	6.35		6.17
8/28/2019									
8/29/2019								5.64	
10/15/2019	6.57	6.77	7.01	6.06	6.61	6.36	6.8	5.7	
10/16/2019									
10/17/2019									6.43
12/3/2019									
12/4/2019									6.18
3/3/2020	6.71	6.29	6.49	6.1	5.94	6.59	6.33		
3/4/2020								5.7	
3/5/2020									5.99
5/12/2020									
8/18/2020	6.59	6.29	6.41	6.06	5.95	6.33	6.25	5.56	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWA-23S (bg)	BRGWC-30I
8/19/2020									6.36
8/20/2020									
9/15/2020	6.64	6.27	6.25	6.01	6	6.43	6.01	5.72	
9/16/2020									6.29
9/17/2020									
3/1/2021	6.66					6.7			
3/2/2021		6.47	6.42	6.2	5.92		6.11	5.75	
3/3/2021									6.29
3/4/2021									
9/21/2021		6.32	6.36		5.87		6.53		
9/22/2021	6.78			6.06		6.48		5.72	
9/23/2021									
9/28/2021									6.33
2/1/2022	6.83	6.38	6.39	5.95	5.81	6.54	6.4	5.65	
2/2/2022									6.34
2/3/2022									
2/4/2022									
8/23/2022	6.67	6.24	6.36	5.95	5.9	6.51	6.39	5.66	
8/24/2022									6.38
8/25/2022									
10/12/2022				5.69					
1/24/2023	6.7	6.42	6.47	5.26	5.97	6.54	6.48	5.76	
1/25/2023									
1/26/2023									6.28
1/30/2023									
4/24/2023								5.56	
4/25/2023									
5/30/2023									
8/22/2023	6.95	6.24	6.08	5.96		6.09		5.89	6.44
8/23/2023									
8/24/2023									
10/30/2023	6.22			5.5		6.28			
1/30/2024	6.57	6.44	6.38	6.05		5.75		5.87	6.39
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	6.6	6.56	6.65	6.02		6.8		5.92	
8/28/2024									6.49
8/29/2024									
2/18/2025	6.42	6.17	6.42	5.88		6.38		5.8	
2/19/2025									6.37
8/26/2025	6.39	6.42	6.43	5.79		6.47			
8/27/2025								6	6.3
8/28/2025									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-29I	BRGWC-27I	BRGWC-32S	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	6.07	4.62	5.51	5.89					
11/15/2016									
11/16/2016									
11/17/2016	5.96								
11/18/2016			5.53						
11/21/2016		4.44		5.56					
2/20/2017									
2/21/2017	5.98		5.63						
2/22/2017		4.42		5.87					
6/12/2017									
6/13/2017	5.96		5.57						
6/14/2017		4.45		5.83					
9/26/2017									
9/27/2017	5.85	4.33	5.53	5.87					
2/13/2018									
2/14/2018	5.94	4.42	5.83	6.01					
3/6/2018					6.1	6	6.15		
3/15/2018							5.26		
5/1/2018					6.12	5.85	6.14		
6/26/2018	5.87								
6/27/2018		4.37	5.53	5.83		5.87			
6/28/2018							5.88		
7/31/2018							6.07		
8/1/2018						5.79			
8/10/2018								6.28	
8/23/2018								6.75	
9/19/2018						5.71	5.9	6.48	
10/29/2018						5.76	5.93	6.77	
11/28/2018						5.74	5.99	6.44	
12/18/2018	5.84	4.38							
12/19/2018				5.79		5.8			
12/20/2018			5.78				6.04	6.75	
1/17/2019								6.41	
2/13/2019								6.42	
3/19/2019			5.75			5.89			
3/20/2019	6.03	4.4		5.88			6.1	6.59	
8/27/2019	6.01			5.85					
8/28/2019		4.39	5.51			5.74	5.86		
8/29/2019								6.27	
10/15/2019	6								
10/16/2019		4.79				5.9		7	
10/17/2019			6.01	6.09			5.93		
12/3/2019							5.94		
12/4/2019			5.71	5.83					
3/3/2020									
3/4/2020	6.02	4.5	5.8			5.76		6.54	
3/5/2020				5.74			5.95		
5/12/2020				5.88					
8/18/2020									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-29I	BRGWC-27I	BRGWC-32S	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
8/19/2020	6.32	4.67	5.81	5.97					
8/20/2020						5.75	5.86	6.85	
9/15/2020	6	4.53							
9/16/2020			5.81	5.79		5.76	5.27		
9/17/2020								6.12	
3/1/2021									
3/2/2021	6.1					5.59	6.17		
3/3/2021		4.46	5.9						
3/4/2021				5.98				5.87	
9/21/2021									
9/22/2021									
9/23/2021						5.74	5.95		
9/28/2021	5.97	4.23	5.82	5.82	6.22			6.81	
2/1/2022									
2/2/2022	6.23			5.99	6.2	5.75	5.92	6.35	
2/3/2022		4.23							
2/4/2022			5.97						5.89
8/23/2022	6.11					5.61			
8/24/2022		4.39							
8/25/2022			6.03	6.06	6.06		5.74	6.21	5.65
10/12/2022									
1/24/2023				6.05					
1/25/2023			5.63		6.13		5.82	6.25	
1/26/2023	6.18	4.3				5.65			
1/30/2023									5.66
4/24/2023	6.25						5.9	6.63	
4/25/2023					6.24	5.64			5.59
5/30/2023				5.73					
8/22/2023				5.98					
8/23/2023					6.11				5.68
8/24/2023	6.14	4.48	6.01			5.69	5.71	6.24	
10/30/2023					5.73				
1/30/2024				5.98	6.18	5.73			
1/31/2024	6.31	4.37	5.83						
2/1/2024							5.85	6.3	5.7
5/8/2024			6.08	5.93					
8/27/2024		4.47	5.95		6.19				
8/28/2024				6.05		5.57		6.49	
8/29/2024	6.52						6.26		5.7
2/18/2025						5.73			
2/19/2025	6.13	3.91	5.44	6.11	6.2		5.78	6.26	5.59
8/26/2025		4.52	5.79	6.14		5.79	5.8		
8/27/2025					5.95			6.19	5.57
8/28/2025	6.34								

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)	BRGWC-30I
8/31/2016	7.5	0.81 (J)	2.7	0.38 (J)					
9/1/2016					1.7	2.7	0.6 (J)		
9/6/2016								38	310
9/8/2016									
11/15/2016		0.87 (J)					0.49 (J)		
11/16/2016	6.6		3.4	0.36 (J)	1.2	3.6			
11/17/2016								84	
11/18/2016									
11/21/2016									300
2/20/2017		1	3.9				0.98 (J)		
2/21/2017	6.1			1.5	1.1	3		39	
2/22/2017									280
6/12/2017	5	0.94 (J)	3.7				0.54 (J)		
6/13/2017				0.67 (J)	1.1			35	
6/14/2017						2.6			290
9/26/2017	5.4	0.92 (J)	4.1	0.62 (J)	1.3	2.5	0.53 (J)	89	
9/27/2017									260
2/13/2018	4.7 (J)	<1	6.6	<1			<1		
2/14/2018					<1	2.1 (J)		82.2	250
3/6/2018									
5/1/2018									
6/26/2018	6.2	0.91 (J)	3.5	0.69 (J)	0.84 (J)	2	0.54 (J)	84.2	
6/27/2018									
6/28/2018									276
7/31/2018					0.63 (J)	1.9			
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	5.9	0.68 (J)	4.3	0.72 (J)	0.66 (J)	2.1	0.39 (J)	83.4	440
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	6	0.74 (J)	3	0.78 (J)	0.75 (J)	2.2	0.68 (J)	65	
3/20/2019									623
10/15/2019	5.2	0.68 (J)	3.8	0.47 (J)	0.61 (J)	1.9	0.48 (J)	30	
10/16/2019									
12/3/2019									
12/4/2019									327
3/3/2020	7.1	0.71 (J)	2.8	0.93 (J)	0.51 (J)	1.8	2.5		
3/4/2020								38.6	
3/5/2020									369
9/15/2020	5.9	<1	1.7	<1	<1	1.7	<1	41.5	
9/16/2020									334
9/17/2020									
3/1/2021	4.7						0.74 (J)		
3/2/2021		<1	2.2	<1	0.51	1.7		54	
3/3/2021									371
3/4/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)	BRGWC-30I
9/21/2021		<1	2.3		0.51 (J)	1.7			
9/22/2021	5.2			<1			<1	34.6	
9/23/2021									
9/28/2021									612
2/1/2022	5.4	<1	2	<1	<1	1.4	<1	36.8	
2/2/2022									580
2/3/2022									
2/4/2022									
8/23/2022	5.66	0.521	2.21	0.452	0.636	1.84	0.479	24.4	
8/24/2022									935
8/25/2022									
1/24/2023	3.58	0.66	3.34	0.465	0.628	1.8	0.484	19.7	
1/25/2023									
1/26/2023									1030
1/30/2023									
8/22/2023	6.85	0.54	1.83	0.526			0.467	11.3	1250
8/23/2023									
8/24/2023									
1/30/2024	2.65	0.617	2.74	0.423			0.456	10.4	1210
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	2.58	0.652	2.67	0.444			0.465	9.73	
8/28/2024									1260
8/29/2024									
2/18/2025	3.07	0.543	3.16	0.341 (J)			0.468	13.6	
2/19/2025									1310
8/26/2025	2.9	0.585	3.13	0.435			0.485		
8/27/2025								11.5	1290
8/28/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-25I	BRGWC-32S	BRGWC-29I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	300	280	370	460					
11/15/2016									
11/16/2016									
11/17/2016		200							
11/18/2016	320								
11/21/2016			420	500					
2/20/2017									
2/21/2017	270	360							
2/22/2017			380	570					
6/12/2017									
6/13/2017	230	290							
6/14/2017			400	440					
9/26/2017									
9/27/2017	260	310	400	380					
2/13/2018									
2/14/2018	232	260	383	280					
3/6/2018					1560	51.8	111		
5/1/2018					1560	51	112		
6/26/2018		231							
6/27/2018	205		372	281	1450				
6/28/2018							109		
7/31/2018							107		
8/1/2018					1560				
8/10/2018								183	
8/23/2018					1470		108	145	
9/19/2018					1500		117	178	
10/29/2018					1720		127	157	
11/28/2018					1730		133	189	
12/18/2018		231		293					
12/19/2018			370		1520				
12/20/2018	200						113	150	
1/17/2019								157	
2/13/2019								169	
3/19/2019	199				1100				
3/20/2019		240	409	278			127	180	
10/15/2019		174							
10/16/2019				266	1560			155	
12/3/2019							105		
12/4/2019	241		293						
3/3/2020									
3/4/2020	205	165		238	1380			129	
3/5/2020			269				106		
9/15/2020		126		241					
9/16/2020	190		255		1360		103		
9/17/2020								165	
3/1/2021									
3/2/2021		139			1360		98.3		
3/3/2021	172			341					
3/4/2021			185					114	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-25I	BRGWC-32S	BRGWC-29I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021									
9/23/2021					1240		97.5		
9/28/2021	137	112	189	250		47.2		132	
2/1/2022									
2/2/2022		117	210		1170	45.3	90.1	126	
2/3/2022				274					
2/4/2022	172								195
8/23/2022		158			1410				
8/24/2022				298					
8/25/2022	176		254			47	114	142	234
1/24/2023			247						
1/25/2023	150					41	102	145	
1/26/2023		182		293	1310				
1/30/2023									280
8/22/2023			256						
8/23/2023						49.5			294
8/24/2023	94.5	174		288	1300		114	150	
1/30/2024			246		1360	42.4			
1/31/2024	155	169		328					
2/1/2024							110	145	352
5/8/2024	196		233						
8/27/2024	174			261		41.8			
8/28/2024			201		1310			150	
8/29/2024		216					150		344
2/18/2025					1340				
2/19/2025	134	204	196	346		41.1	169	149	403
8/26/2025	146		166	309	1220		277		
8/27/2025						42		150	436
8/28/2025		201							

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWC-30I	BRGWA-23S (bg)	BRGWC-25I
8/31/2016	151	154	138	88					
9/1/2016					142	69			
9/6/2016							505	146	
9/8/2016									460
11/15/2016		123							
11/16/2016	69		77	41	100	100			
11/17/2016								211	611
11/18/2016									
11/21/2016							515		
2/20/2017		158	170						
2/21/2017	68			<10	71	37		151	497
2/22/2017							504		
6/12/2017	161	142	132						
6/13/2017				53		84		130	474
6/14/2017					140		536		
9/26/2017	167	138	108	45	149	68		160	
9/27/2017							432		457
2/13/2018	165	150	141	63					
2/14/2018					137	138	448	194	431
3/6/2018									
5/1/2018									
6/26/2018	188	154	133	71	142	90		221	414
6/27/2018									
6/28/2018							494		
7/31/2018					133	83			
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	145	147	138	78	135	85	715	208	401
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	154	146	130	68	132	82		161	
3/20/2019							885		412
10/15/2019	140	144	175	66	134	89		124	380
10/16/2019									
12/3/2019									
12/4/2019							612		
3/3/2020	155	130	<10	41	115	72			
3/4/2020								118	330
3/5/2020							681		
9/15/2020	116	116	100	69	95	60		109	272
9/16/2020							634		
9/17/2020									
3/1/2021	98								
3/2/2021		96	80	43	93	43		105	280
3/3/2021							690		
3/4/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWC-30I	BRGWA-23S (bg)	BRGWC-25I
9/21/2021		104	108		117	56			
9/22/2021	129			66				128	
9/23/2021									
9/28/2021							1050		270
2/1/2022	126	124	129	72	114	63		130	
2/2/2022							1110		283
2/3/2022									
2/4/2022									
8/23/2022	117	101	107	45	104	55		103	315
8/24/2022							1540		
8/25/2022									
1/24/2023	93	104	124	63	114	59		102	
1/25/2023									
1/26/2023							1680		339
1/30/2023									
8/22/2023	81	73	80	36			1920	70	
8/23/2023									
8/24/2023									354
1/30/2024	98	113	118	54			1970	85	
1/31/2024									391
2/1/2024									
5/8/2024									
8/27/2024	82	101	107	51				86	
8/28/2024							2030		
8/29/2024									492
2/18/2025	84	92	106	44				104	
2/19/2025							2120		419
8/26/2025	89	115	123	76					
8/27/2025							2200	107	
8/28/2025									443

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-32S	BRGWC-29I	BRGWA-6S (bg)	BRGWC-45	BRGWC-44	BRGWC-47	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016				299 (O)					
9/6/2016									
9/8/2016	478	607	654						
11/15/2016				41					
11/16/2016									
11/17/2016									
11/18/2016	503								
11/21/2016		695	819						
2/20/2017				133					
2/21/2017	380								
2/22/2017		635	721						
6/12/2017				61					
6/13/2017	354								
6/14/2017		635	661						
9/26/2017				29					
9/27/2017	376	601	518						
2/13/2018				61					
2/14/2018	503	628	487						
3/6/2018					346	191	2200		
5/1/2018					374	189	2080		
6/26/2018				71					
6/27/2018	458	2280	648				31 (O)		
6/28/2018					333				
7/31/2018					393				
8/1/2018							2190		
8/10/2018								344	
8/23/2018					350		2160	333	
9/19/2018					353		2160	364	
10/29/2018					329		2130	334	
11/28/2018					358		2320	357	
12/18/2018			407	70					
12/19/2018		605					2060		
12/20/2018	344				322			355	
1/17/2019								347	
2/13/2019								350	
3/19/2019	334			72			2050		
3/20/2019		564	391		302			366	
10/15/2019				63					
10/16/2019			2030				2220	346	
12/3/2019					362				
12/4/2019	422	526							
3/3/2020				54					
3/4/2020	326		391				2140	351	
3/5/2020		489			297				
9/15/2020			281	79					
9/16/2020	301	428			275		2090		
9/17/2020								329	
3/1/2021				39					
3/2/2021					264		1680		
3/3/2021	288		515						
3/4/2021		350						383	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 10/23/2025 1:55 PM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-32S	BRGWC-29I	BRGWA-6S (bg)	BRGWC-45	BRGWC-44	BRGWC-47	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021				62					
9/23/2021					277		1770		
9/28/2021	262	375	457			181		336	
2/1/2022				61					
2/2/2022		443			276	181	1850	160	
2/3/2022			419						
2/4/2022	301								403
8/23/2022				52			2060		
8/24/2022			383						
8/25/2022	311	437			248	167		296	419
1/24/2023		425		64					
1/25/2023	260				251	156		276	
1/26/2023			419				2010		
1/30/2023									448
8/22/2023		412		30					
8/23/2023						184			503
8/24/2023	309		418		242		1970	281	
1/30/2024		418		45		179	2160		
1/31/2024	299		535						
2/1/2024					255			303	561
5/8/2024	371	363							
8/27/2024	346		424	57		180			
8/28/2024		374					1780	310	
8/29/2024					353				625
2/18/2025				46			1960		
2/19/2025	222	351	519		348	131		298	664
8/26/2025	275	309	503	48	527		1940		
8/27/2025						176		308	712
8/28/2025									

FIGURE E.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWC-29I	-0.07168	-100	-92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-32S	-0.06487	-133	-105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-44	-0.1471	-43	-34	Yes	11	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-47	0.03321	135	98	Yes	23	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)	BRGWA-23S (bg)	-1.133	-150	-92	Yes	22	4.545	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-27I	-2.086	-99	-98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-30I	50.38	206	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-32S	-3.348	-133	-98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-63I	10.43	28	21	Yes	8	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-12I (bg)	-0.1919	-99	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-23S (bg)	-0.2302	-170	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-45	-5.934	-163	-98	Yes	23	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)	BRGWA-12I (bg)	-0.2108	-113	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-12S (bg)	-0.126	-88	-68	Yes	18	16.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-23S (bg)	-7.608	-141	-92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-27I	-15.58	-179	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-30I	121.6	167	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-32S	-26.36	-169	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-47	-39.49	-125	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-63I	67.41	26	21	Yes	8	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)	BRGWA-23S (bg)	-9.507	-134	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-27I	-18.14	-143	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-30I	201.1	185	92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-32S	-37.39	-192	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-47	-34.47	-107	-92	Yes	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-63I	97.65	28	21	Yes	8	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:02 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)	BRGWA-12I (bg)	-0.00006578	-7	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12S (bg)	0	-7	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-23S (bg)	-0.0002267	-4	-92	No	22	9.091	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-25I	0.01174	12	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-27I	-0.03568	-60	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-29I**	**-0.07168**	**-100**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-30I	0.0438	89	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-32S**	**-0.06487**	**-133**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-44**	**-0.1471**	**-43**	**-34**	**Yes**	**11**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-47**	**0.03321**	**135**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-52I	0.02123	51	92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-63I	0.003812	2	21	No	8	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)	BRGWA-12I (bg)	-0.2348	-12	-68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-12S (bg)	0.1273	28	68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.133**	**-150**	**-92**	**Yes**	**22**	**4.545**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-25I	-0.6535	-15	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-27I**	**-2.086**	**-99**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-29I	-0.3014	-9	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-30I**	**50.38**	**206**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWC-32S**	**-3.348**	**-133**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-44	0.02658	9	34	No	11	18.18	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-45	-1.069	-44	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-47	-1.011	-29	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-52I	-0.1037	-11	-87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-63I**	**10.43**	**28**	**21**	**Yes**	**8**	**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)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-12S (bg)	0.06545	54	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2302**	**-170**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-25I	0.1538	20	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-29I	0.04623	11	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-44	0.0944	20	34	No	11	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-45**	**-5.934**	**-163**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-52I	-0.08962	-70	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-63I	0.495	18	21	No	8	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)	BRGWA-12I (bg)	-0.02367	-31	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12S (bg)	-0.01693	-51	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-23S (bg)	-0.00486	-16	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-29I	-0.009691	-32	-105	No	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)	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)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-7.608**	**-141**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-25I	-14.22	-87	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-27I**	**-15.58**	**-179**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

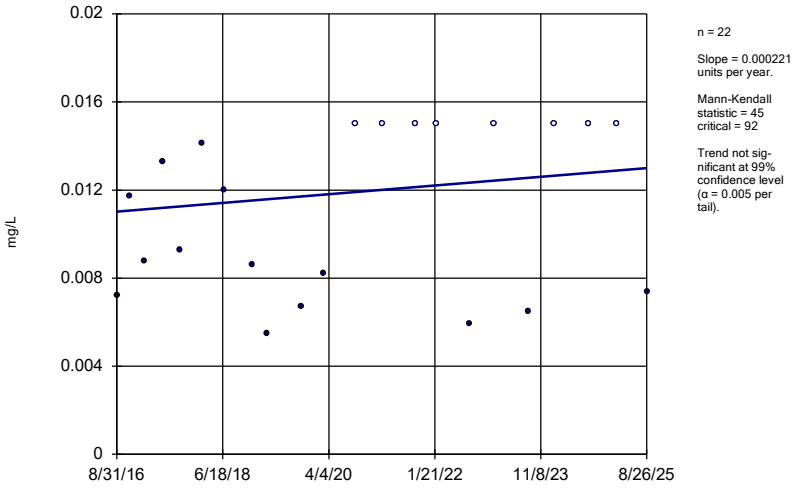
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BRGWC-29I	-11.5	-54	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-30I**	**121.6**	**167**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-32S**	**-26.36**	**-169**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-45	0.5483	17	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-47**	**-39.49**	**-125**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-52I	-3.033	-69	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-63I**	**67.41**	**26**	**21**	**Yes**	**8**	**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)	BRGWA-12I (bg)	-5.117	-61	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12S (bg)	-5.699	-57	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-23S (bg)**	**-9.507**	**-134**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-25I	-18.92	-73	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-27I**	**-18.14**	**-143**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-29I	-20.38	-65	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-30I**	**201.1**	**185**	**92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWC-32S**	**-37.39**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-45	-16.23	-90	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-47**	**-34.47**	**-107**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-52I	-8.169	-89	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	**PZ-63I**	**97.65**	**28**	**21**	**Yes**	**8**	**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

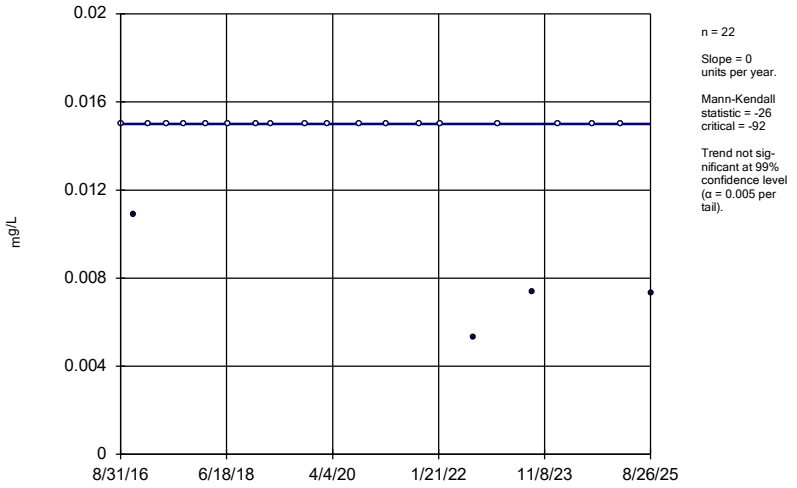
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -26
critical = -92

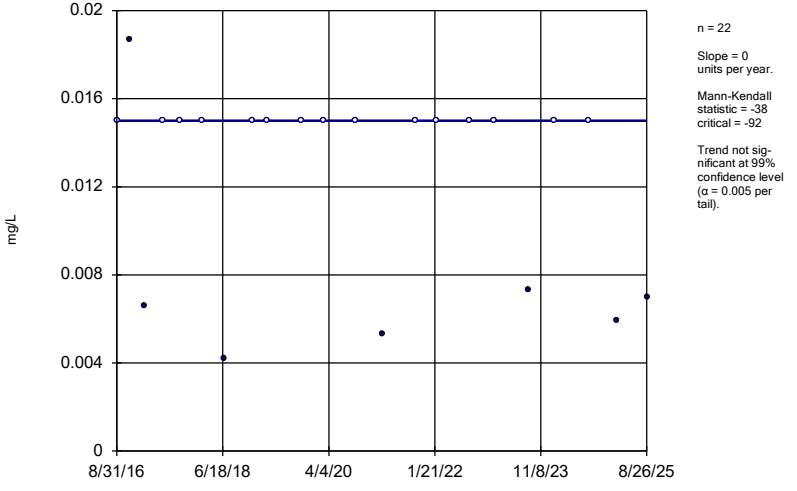
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

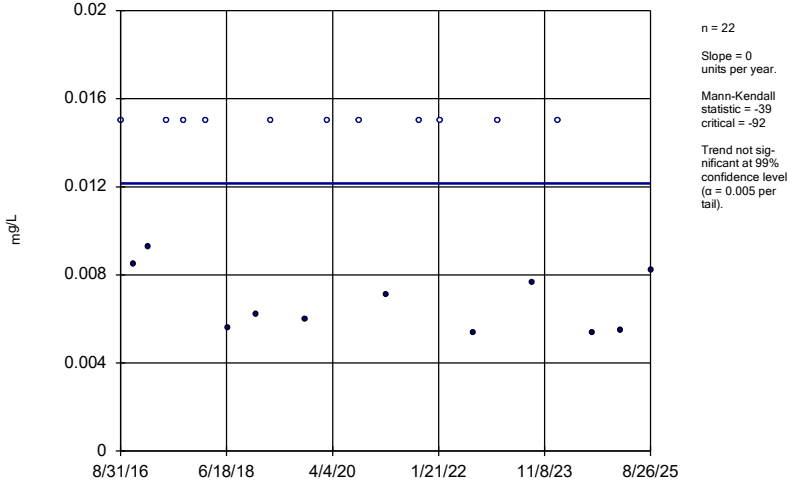
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

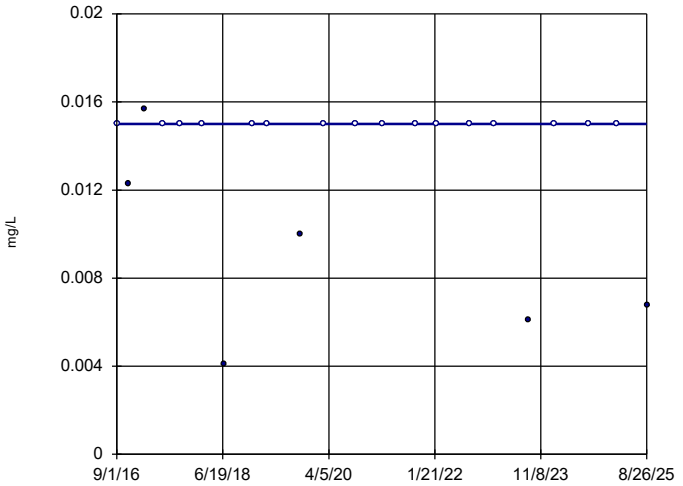
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

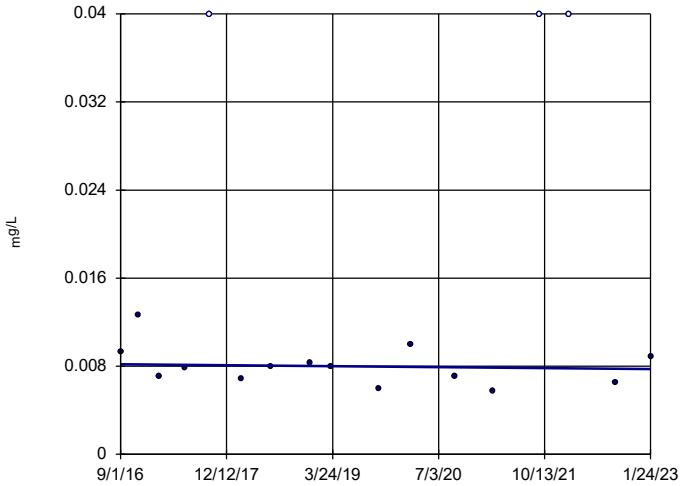
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 17

Slope = -0.00006578
units per year.

Mann-Kendall
statistic = -7
critical = -63

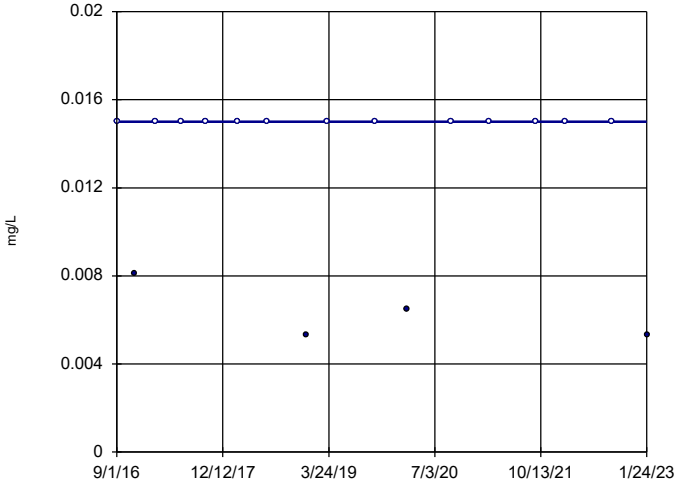
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 17

Slope = 0
units per year.

Mann-Kendall
statistic = -7
critical = -63

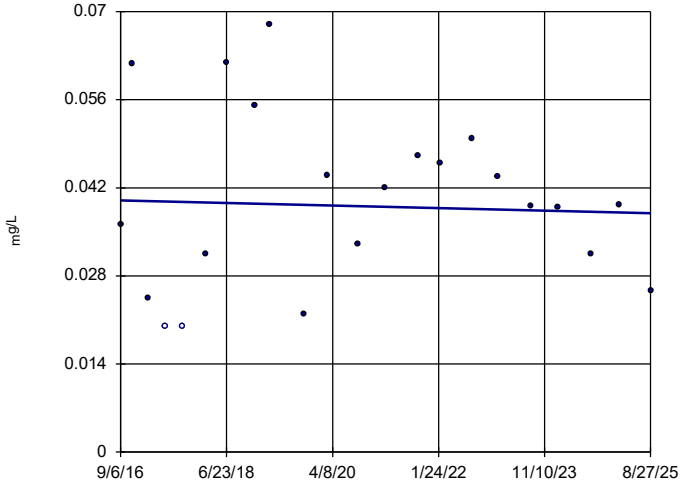
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 22

Slope = -0.0002267
units per year.

Mann-Kendall
statistic = -4
critical = -92

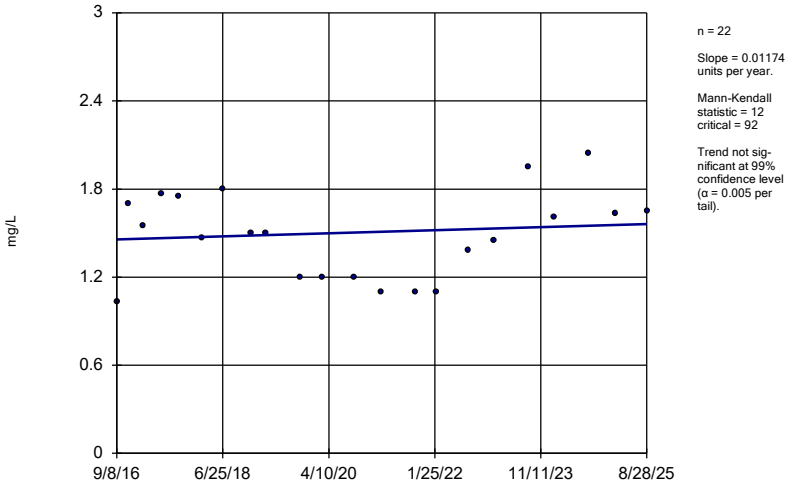
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 22

Slope = 0.01174 units per year.

Mann-Kendall statistic = 12
critical = 92

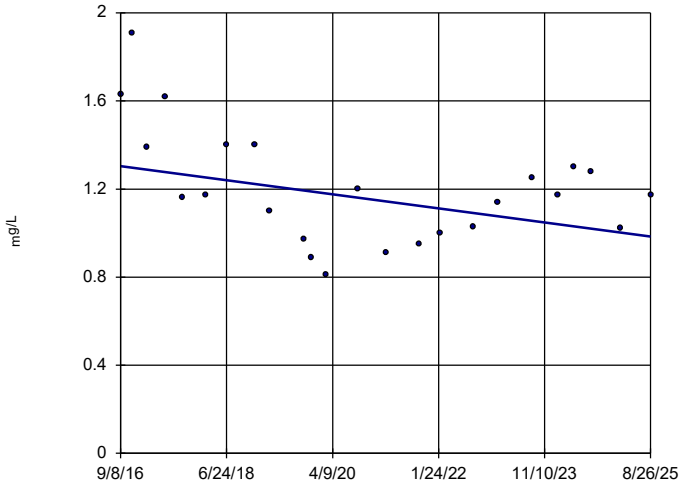
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 24

Slope = -0.03568 units per year.

Mann-Kendall statistic = -60
critical = -105

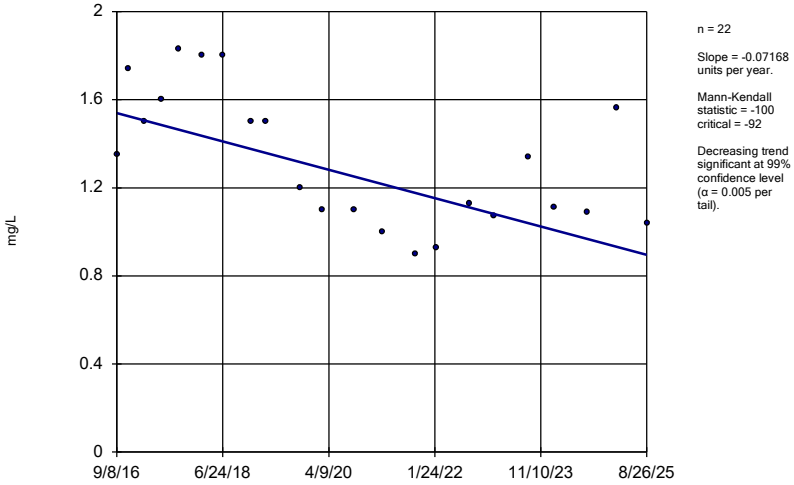
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 22

Slope = -0.07168 units per year.

Mann-Kendall statistic = -100
critical = -92

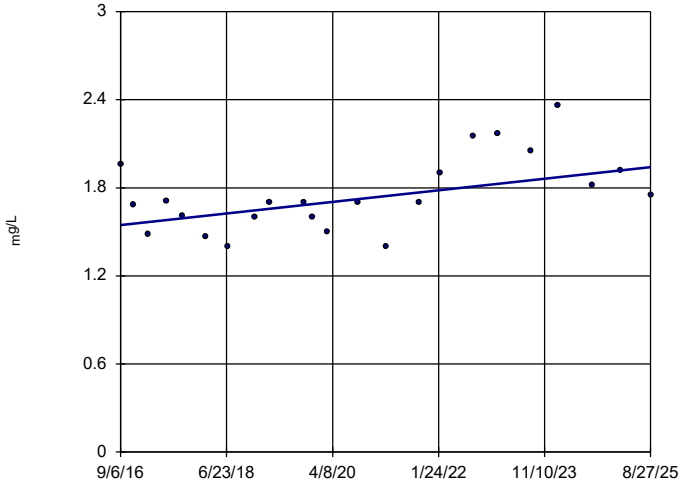
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 23

Slope = 0.0438 units per year.

Mann-Kendall statistic = 89
critical = 98

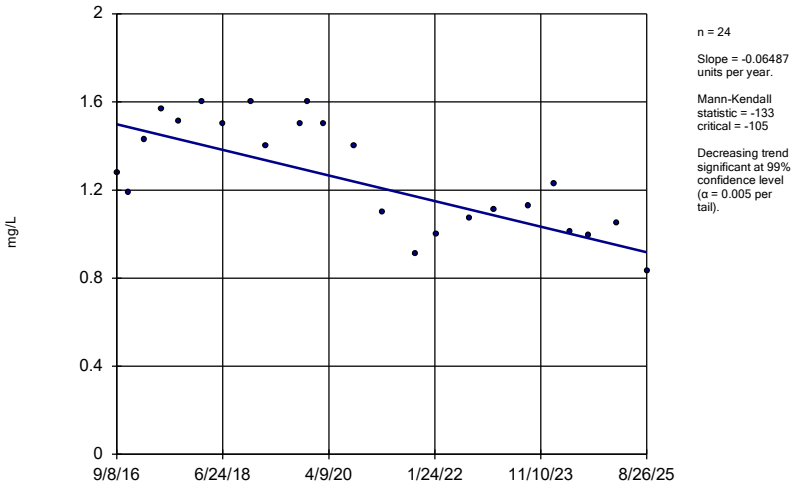
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 24

Slope = -0.06487 units per year.

Mann-Kendall statistic = -133
critical = -105

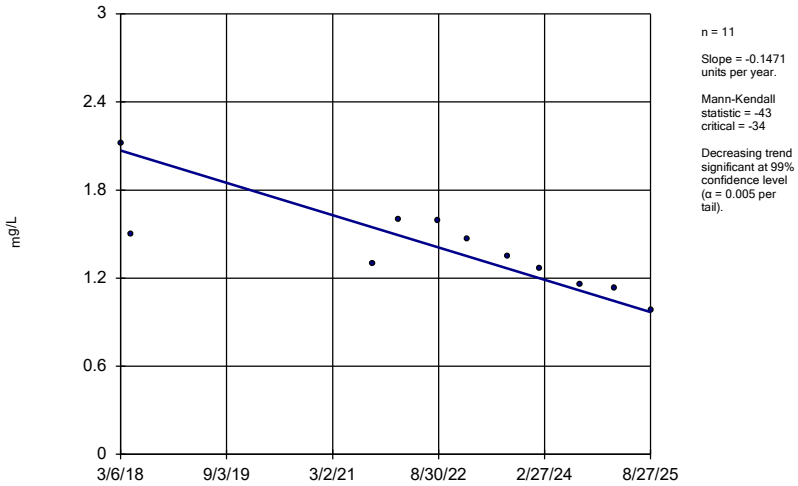
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-44



n = 11

Slope = -0.1471 units per year.

Mann-Kendall statistic = -43
critical = -34

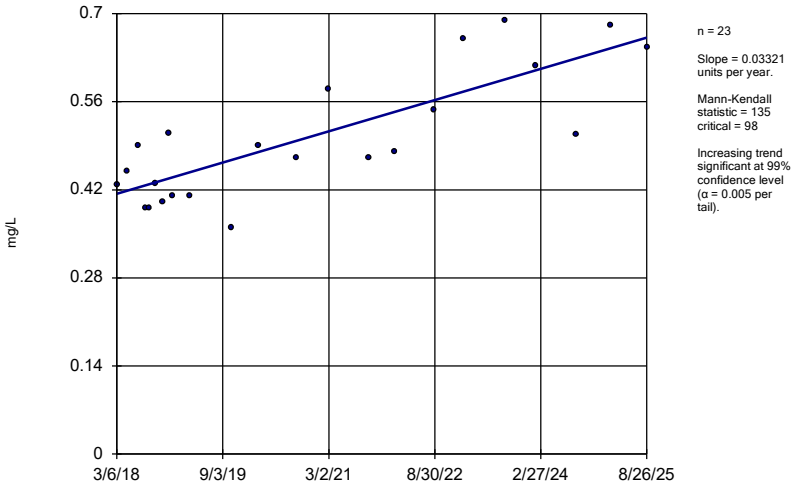
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-47



n = 23

Slope = 0.03321 units per year.

Mann-Kendall statistic = 135
critical = 98

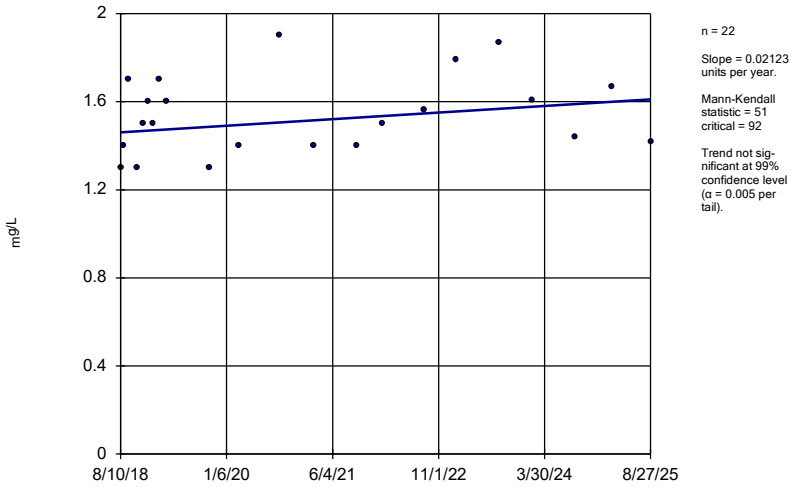
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 22

Slope = 0.02123 units per year.

Mann-Kendall statistic = 51
critical = 92

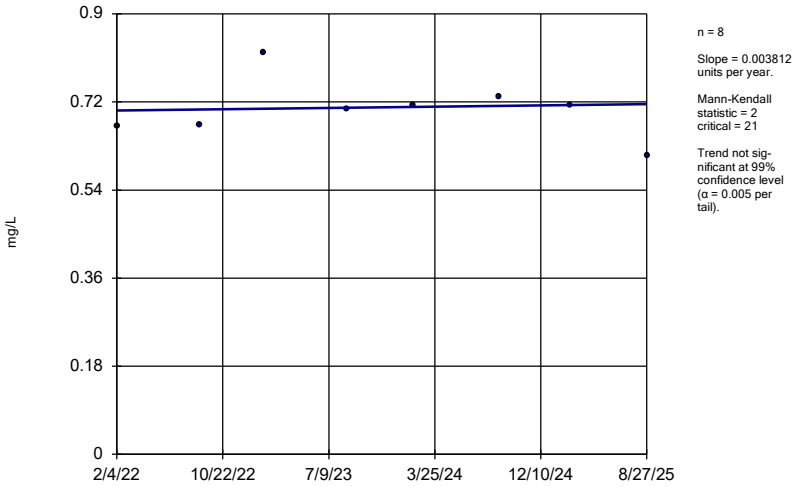
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 8

Slope = 0.003812 units per year.

Mann-Kendall statistic = 2
critical = 21

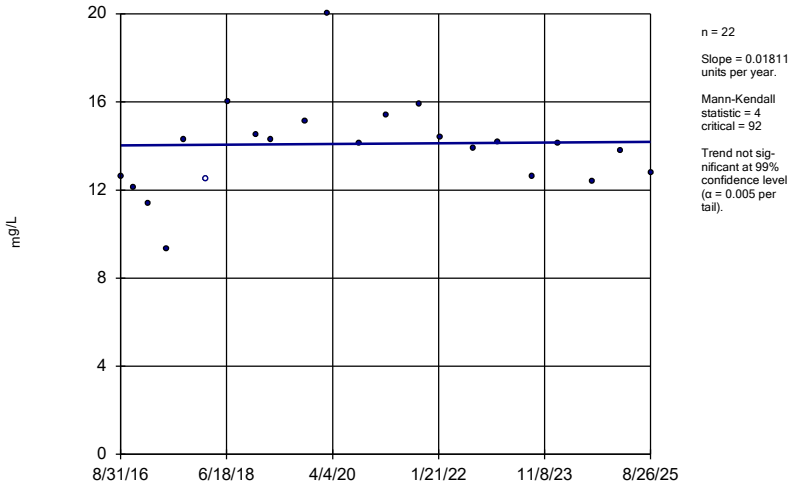
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

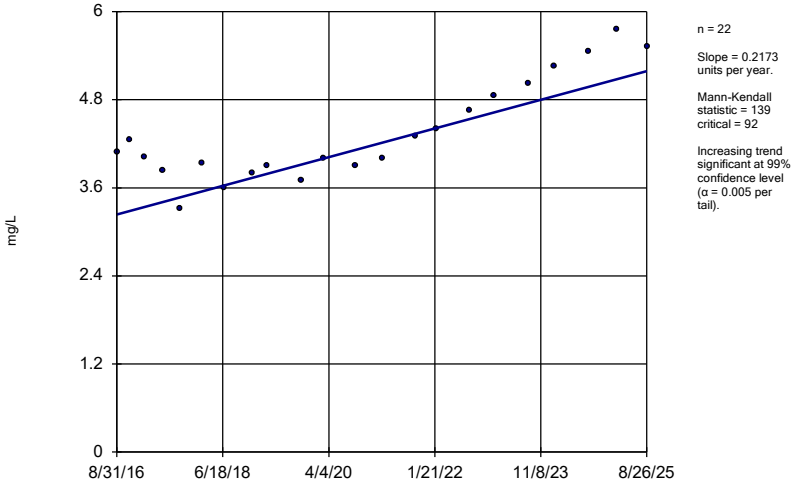
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

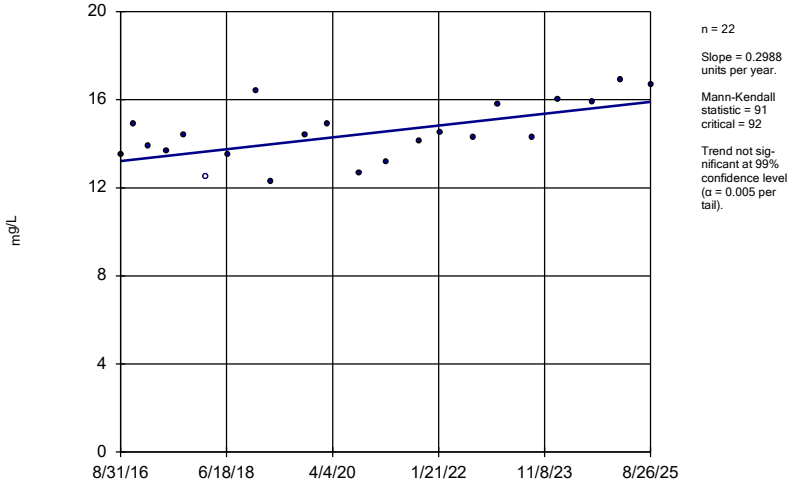
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

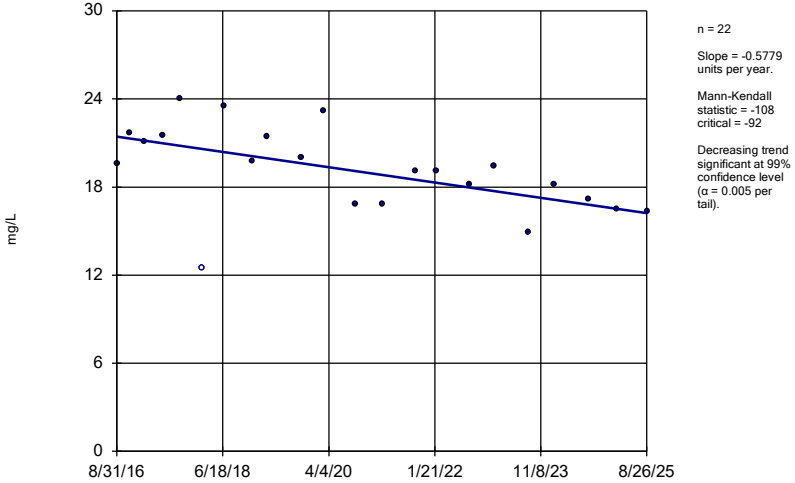
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

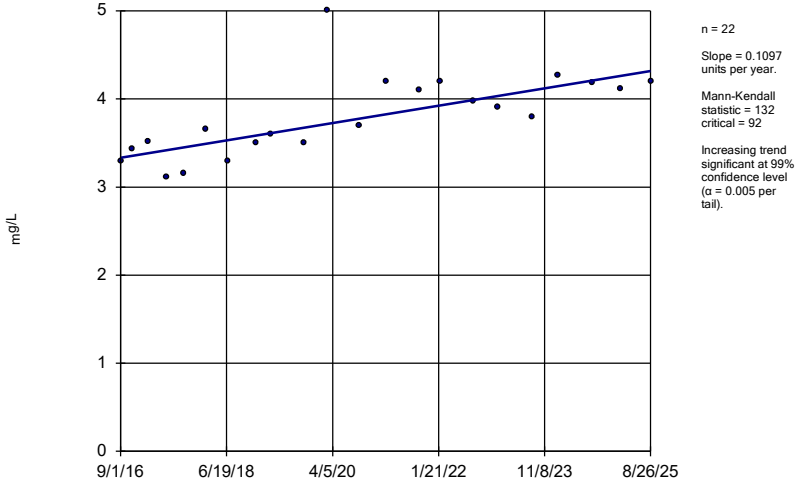
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

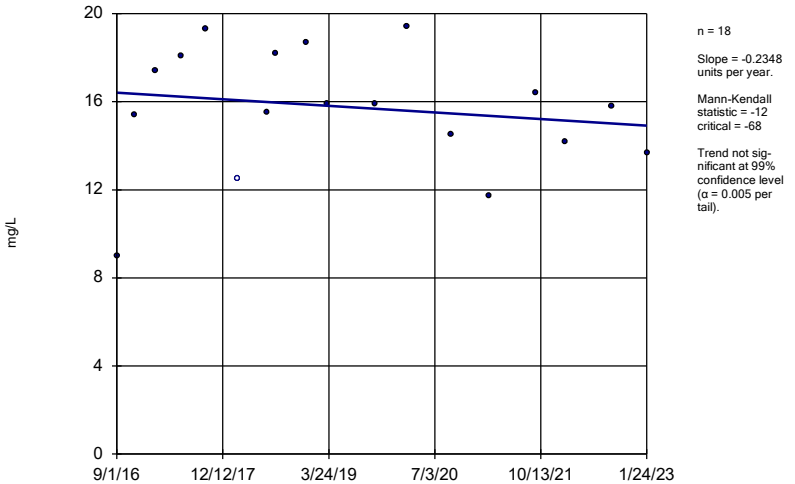
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.2348 units per year.

Mann-Kendall statistic = -12
critical = -68

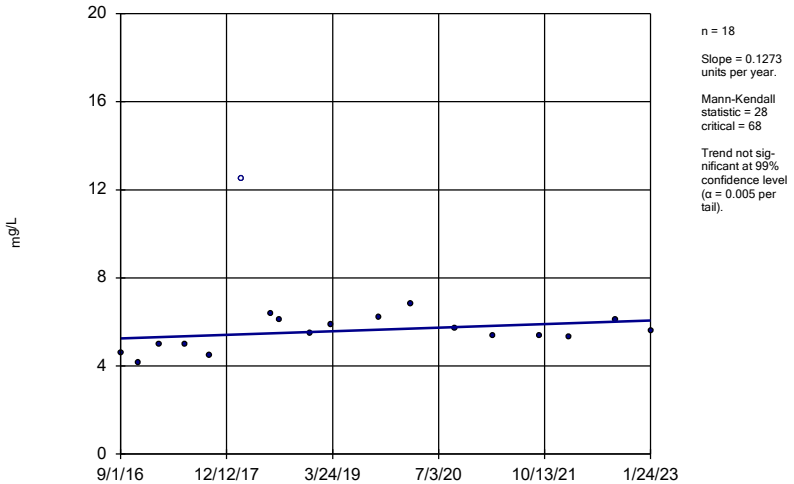
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.1273 units per year.

Mann-Kendall statistic = 28
critical = 68

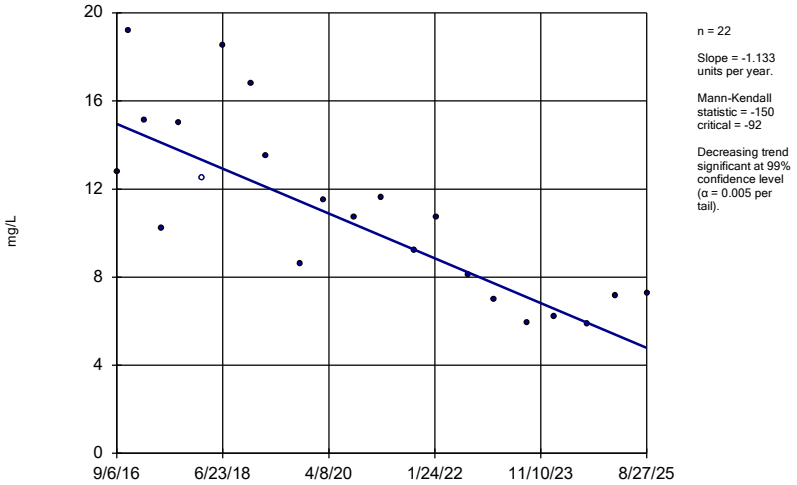
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 22

Slope = -1.133 units per year.

Mann-Kendall statistic = -150 critical = -92

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

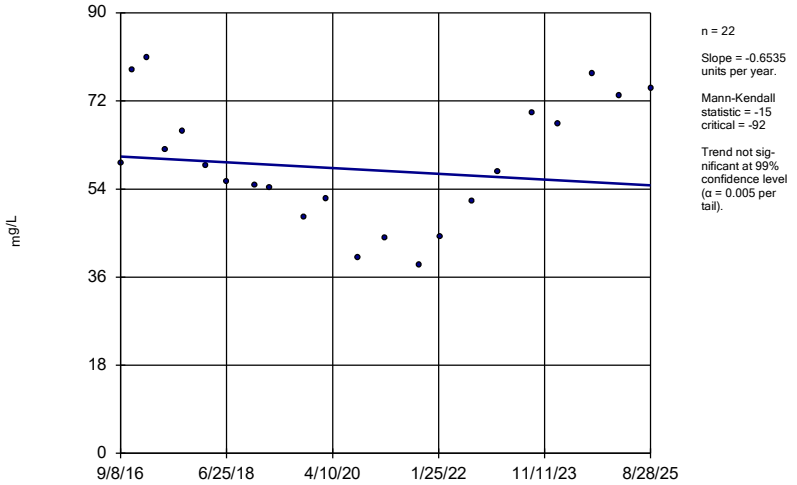
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 22

Slope = -0.6535 units per year.

Mann-Kendall statistic = -15 critical = -92

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

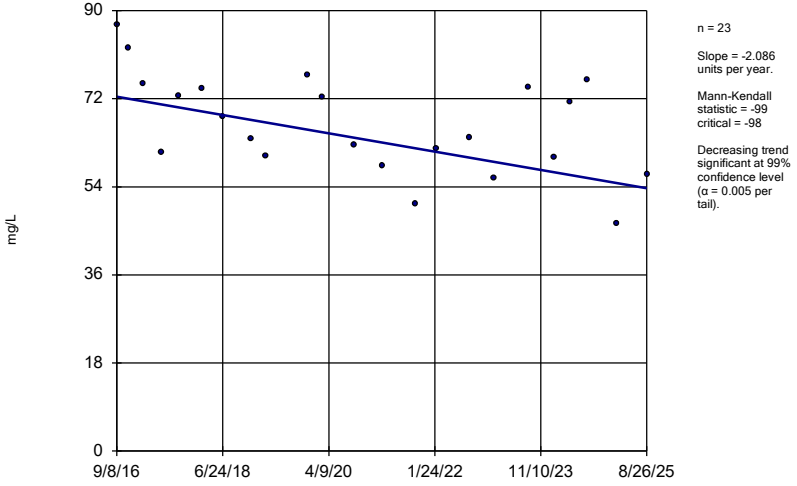
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 23

Slope = -2.086 units per year.

Mann-Kendall statistic = -99 critical = -98

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

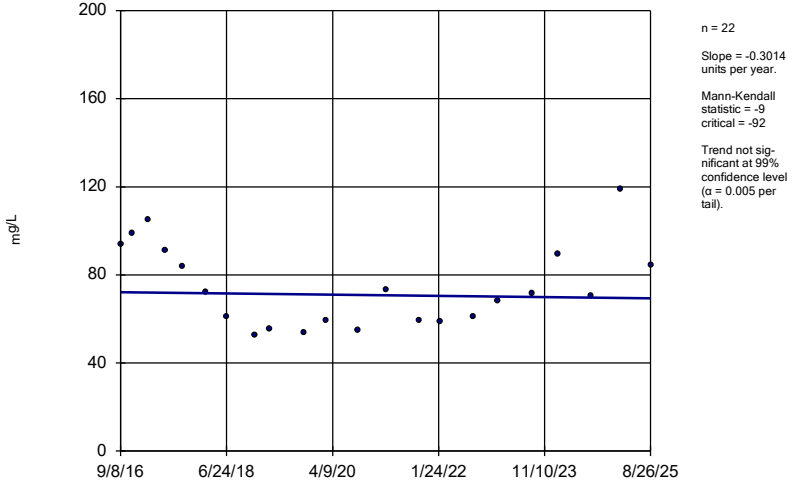
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 22

Slope = -0.3014 units per year.

Mann-Kendall statistic = -9 critical = -92

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

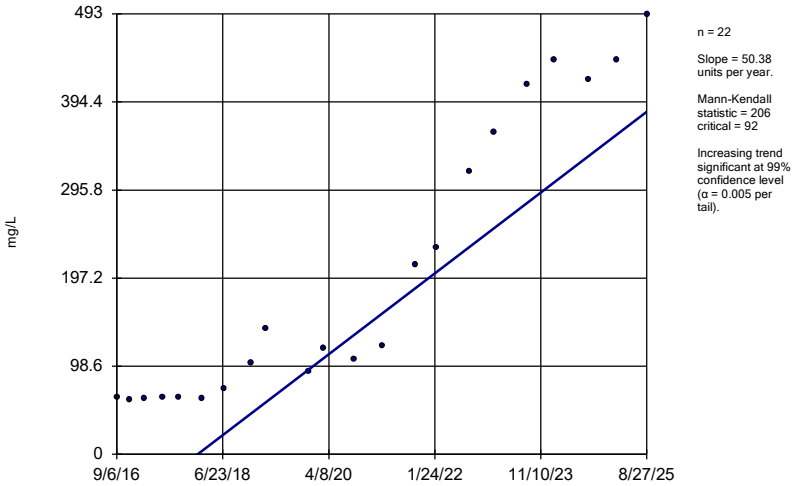
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 22

Slope = 50.38 units per year.

Mann-Kendall statistic = 206 critical = 92

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

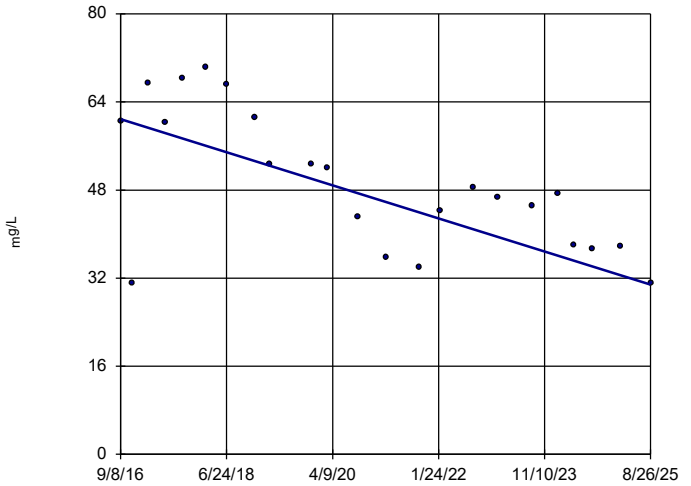
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 23

Slope = -3.348 units per year.

Mann-Kendall statistic = -133 critical = -98

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

Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

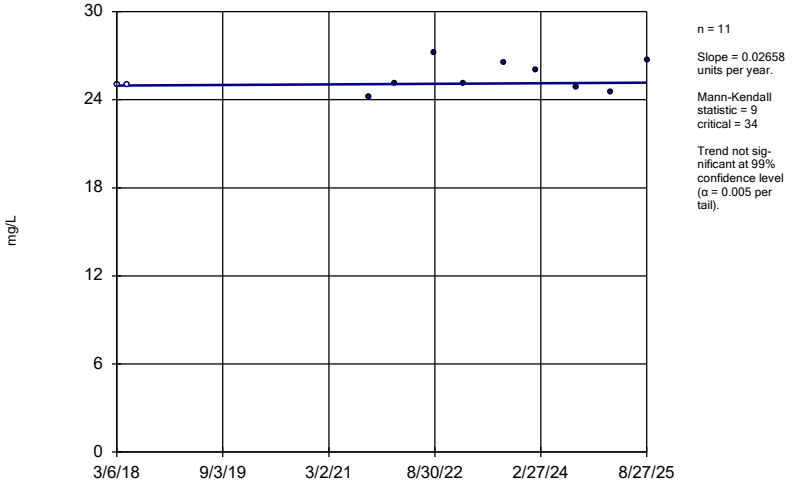
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWC-44



n = 11

Slope = 0.02658 units per year.

Mann-Kendall statistic = 9 critical = 34

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

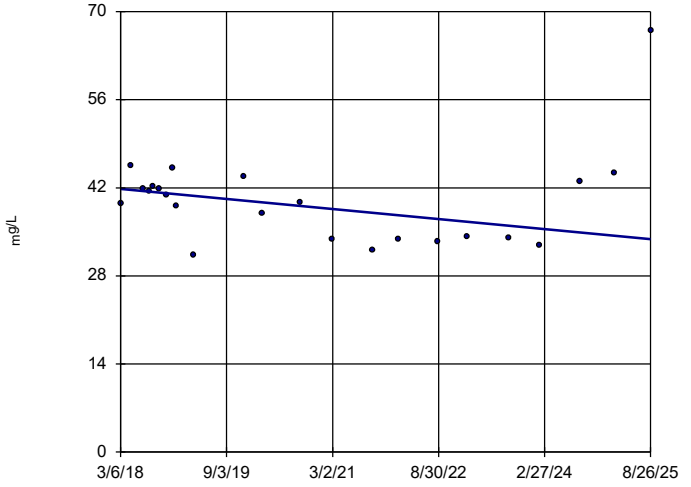
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 23

Slope = -1.069 units per year.

Mann-Kendall statistic = -44 critical = -98

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

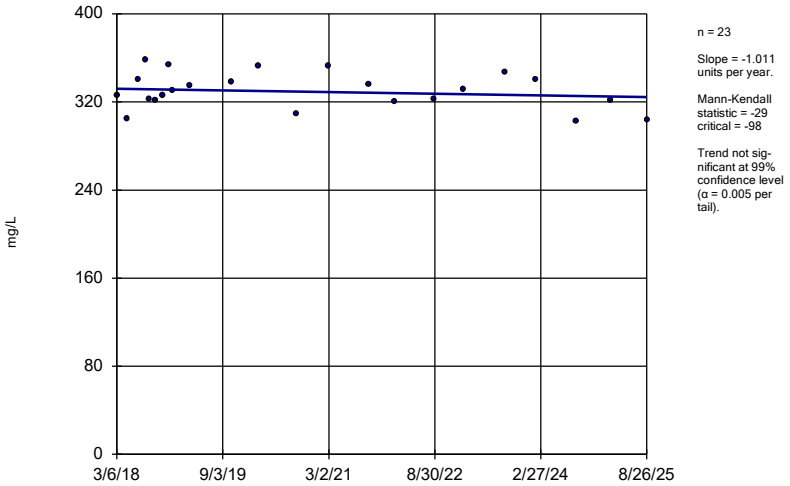
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-47



n = 23

Slope = -1.011 units per year.

Mann-Kendall statistic = -29 critical = -98

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

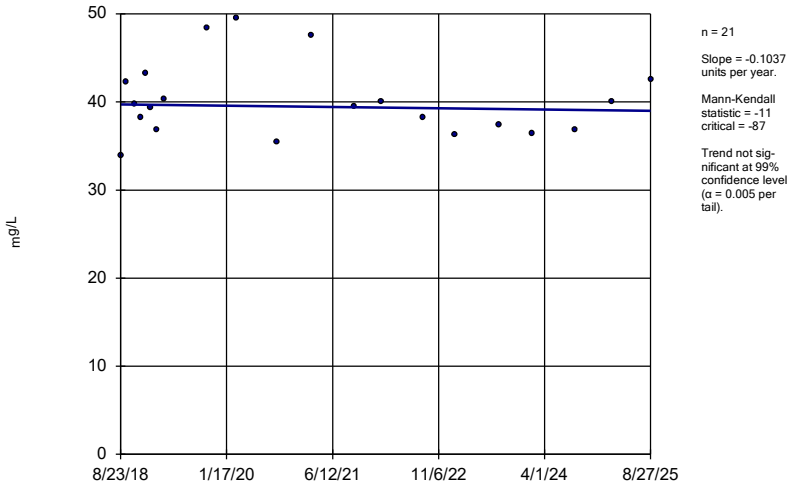
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 21

Slope = -0.1037 units per year.

Mann-Kendall statistic = -11 critical = -87

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

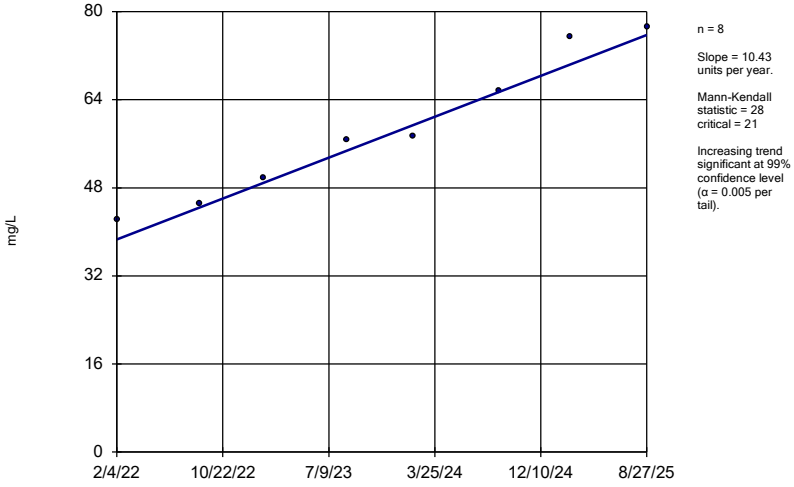
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 8

Slope = 10.43 units per year.

Mann-Kendall statistic = 28 critical = 21

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

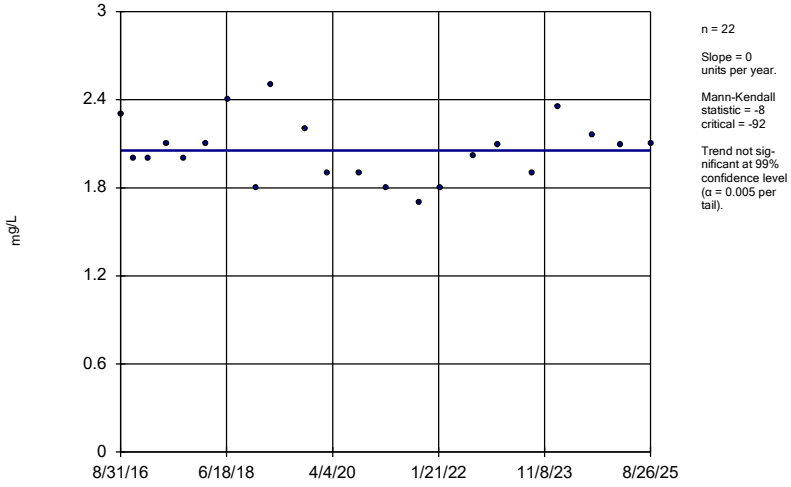
Constituent: Calcium Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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).

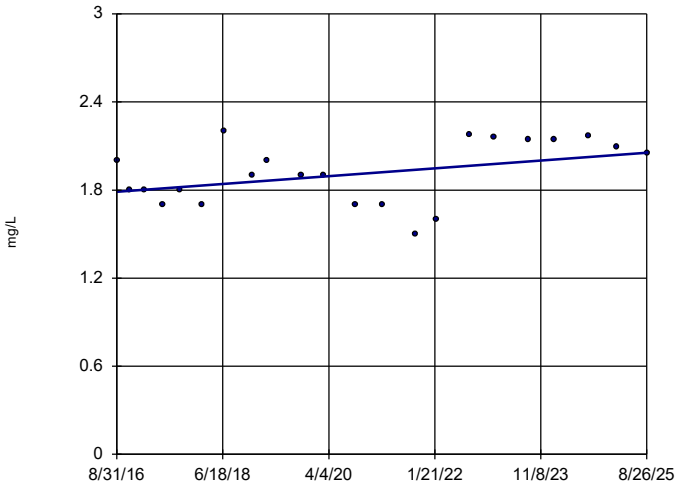
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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).

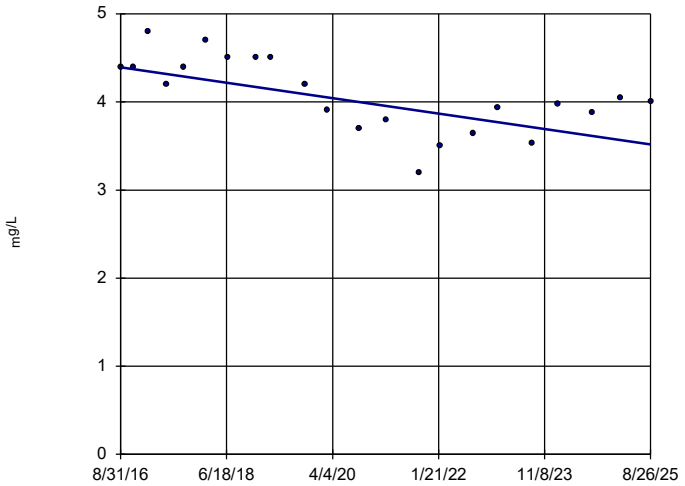
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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).

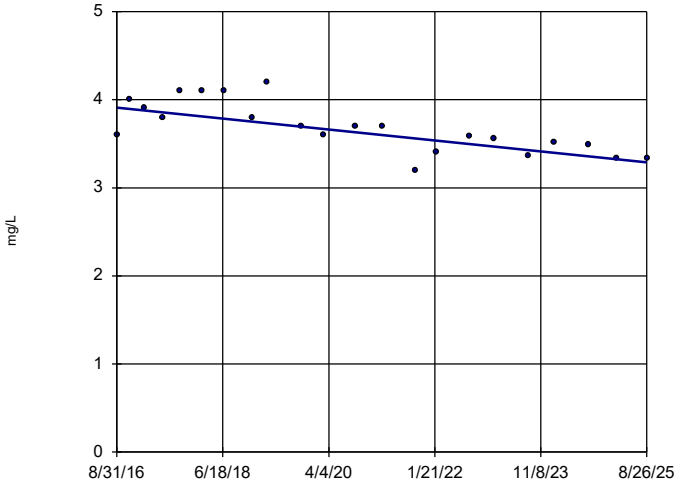
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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).

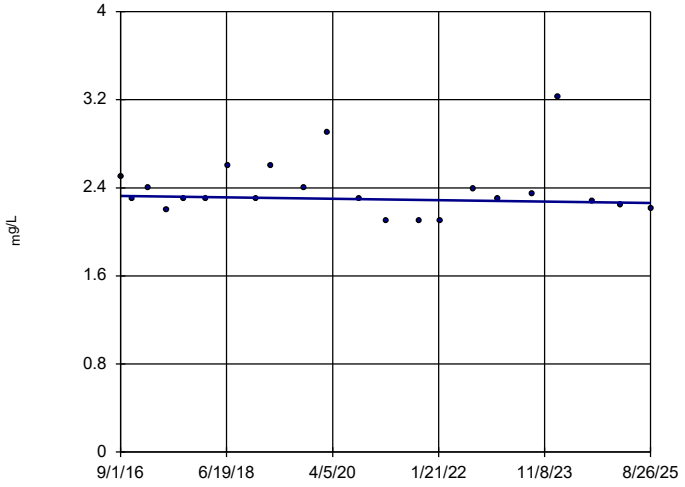
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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).

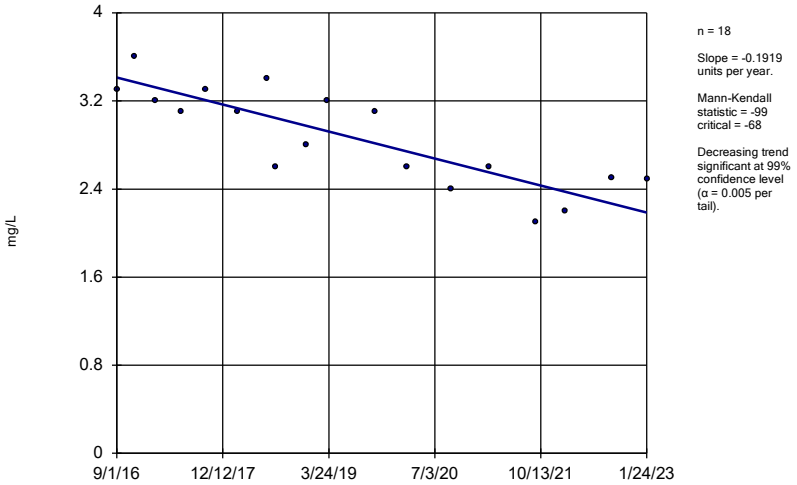
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.1919 units per year.

Mann-Kendall statistic = -99
critical = -68

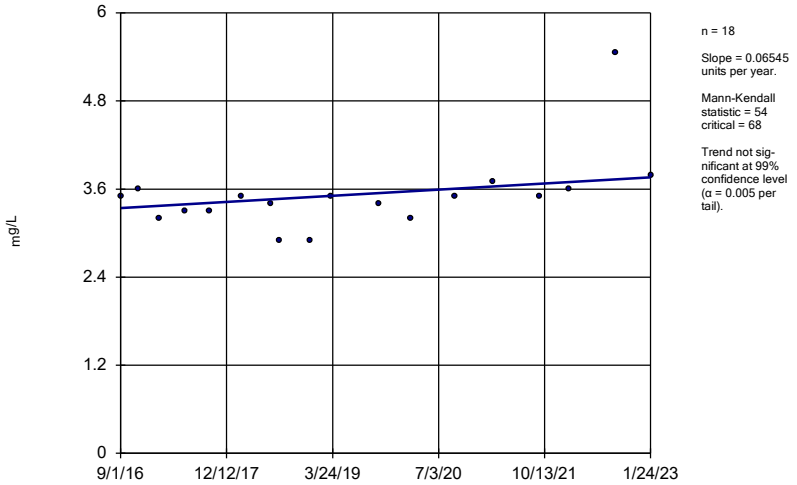
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.06545 units per year.

Mann-Kendall statistic = 54
critical = 68

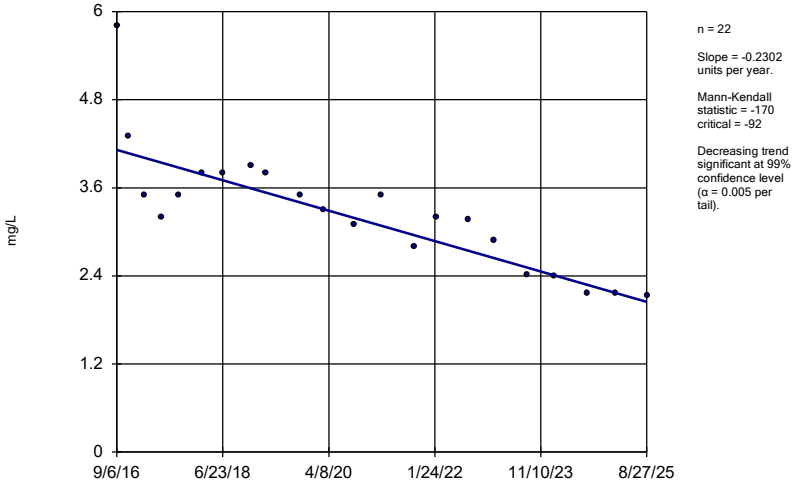
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 22

Slope = -0.2302 units per year.

Mann-Kendall statistic = -170
critical = -92

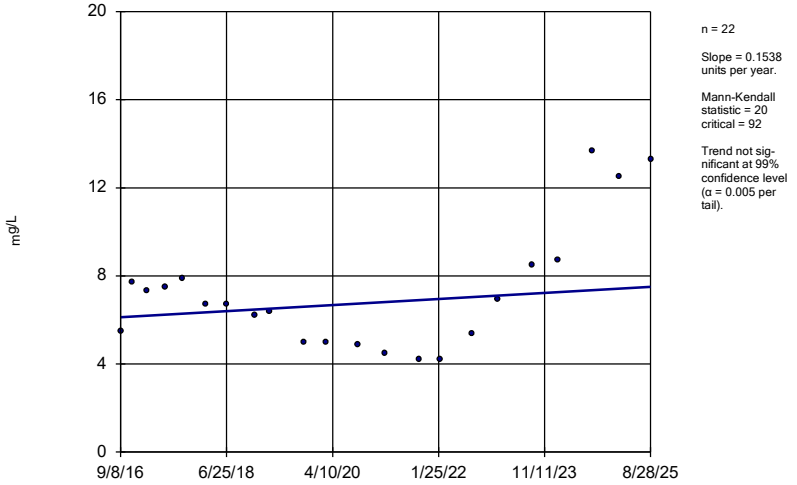
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 22

Slope = 0.1538 units per year.

Mann-Kendall statistic = 20
critical = 92

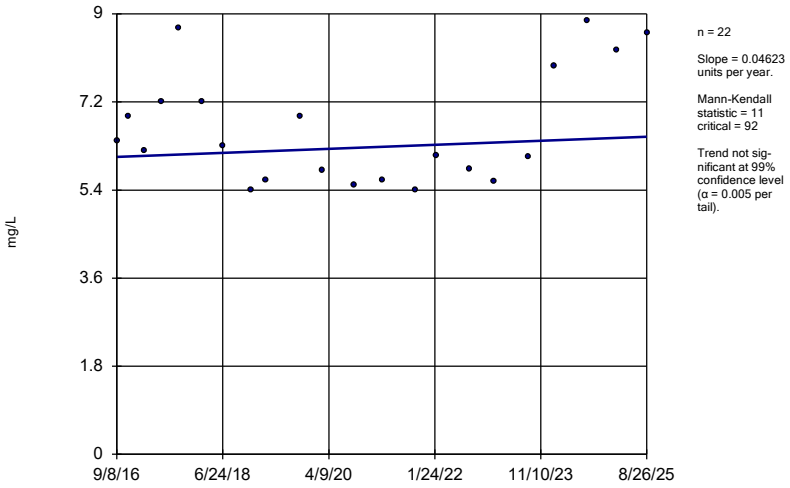
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 22

Slope = 0.04623 units per year.

Mann-Kendall statistic = 11 critical = 92

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

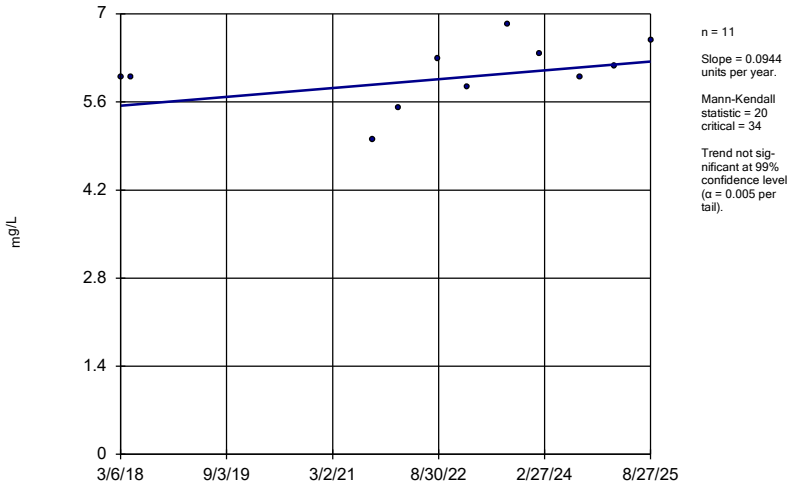
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-44



n = 11

Slope = 0.0944 units per year.

Mann-Kendall statistic = 20 critical = 34

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

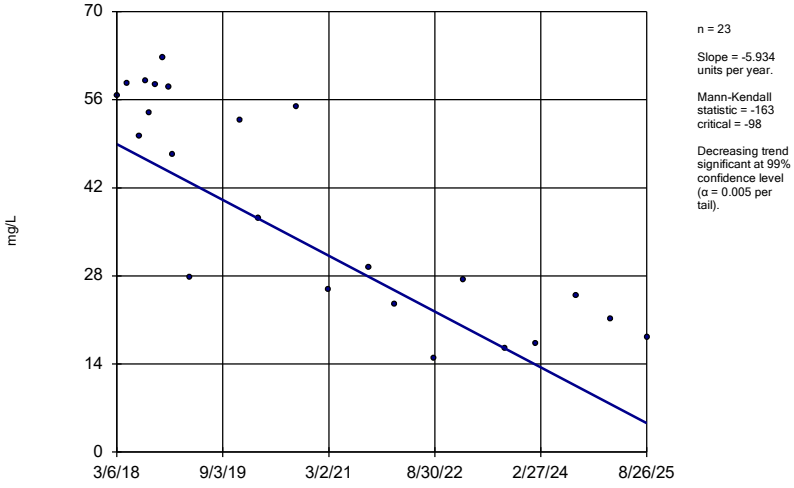
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 23

Slope = -5.934 units per year.

Mann-Kendall statistic = -163 critical = -98

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

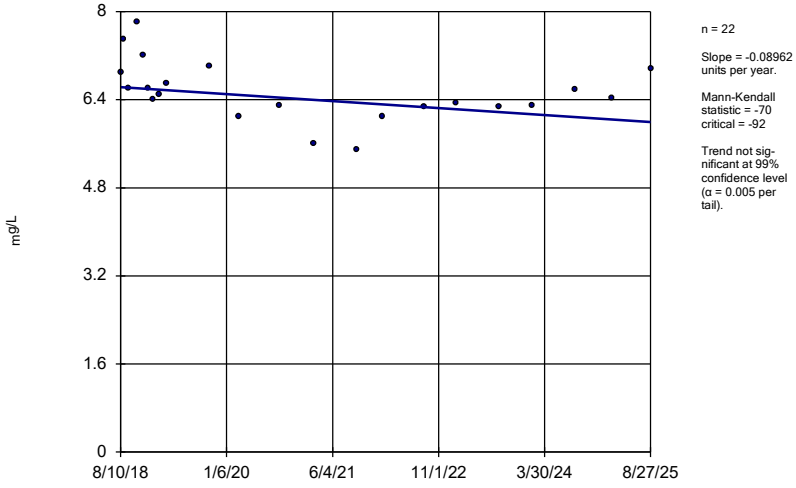
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 22

Slope = -0.08962 units per year.

Mann-Kendall statistic = -70 critical = -92

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

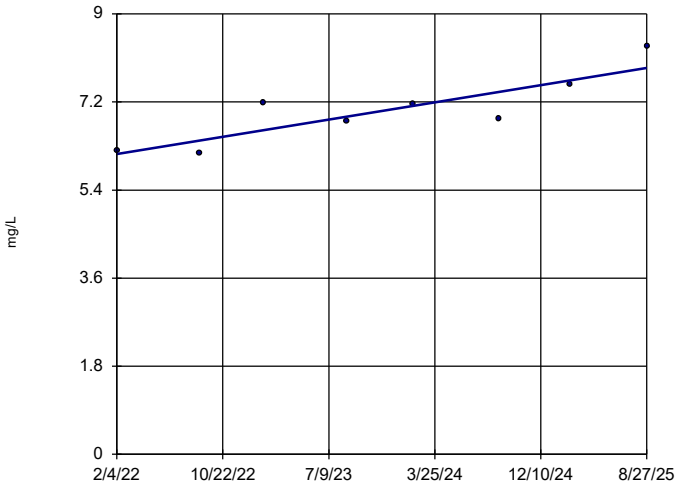
Constituent: Chloride Analysis Run 10/23/2025 1:58 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 8

Slope = 0.495 units per year.

Mann-Kendall statistic = 18
critical = 21

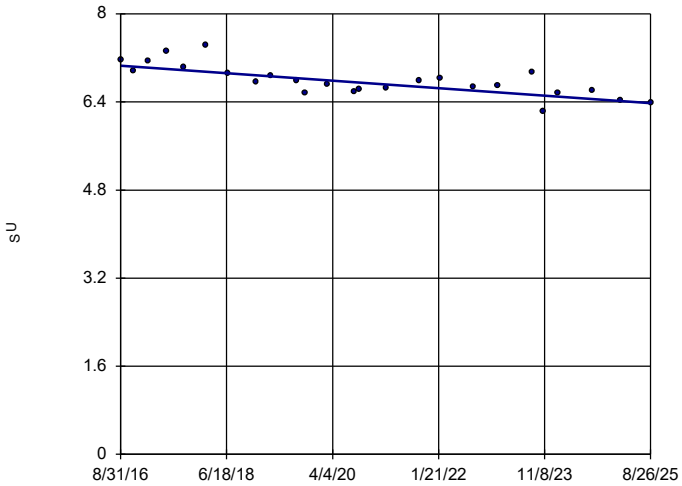
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

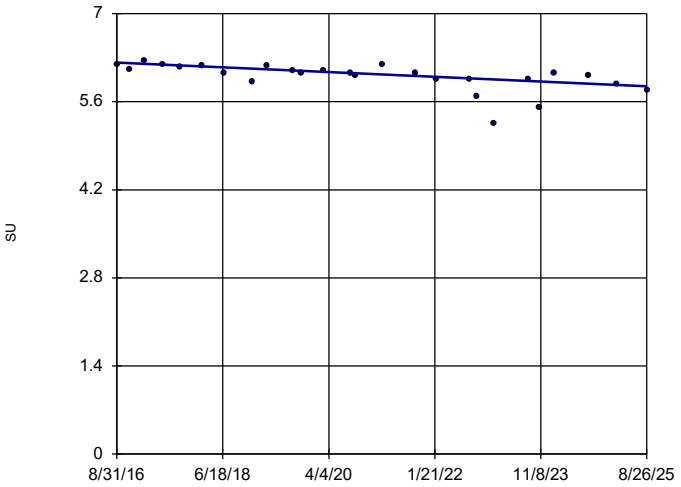
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

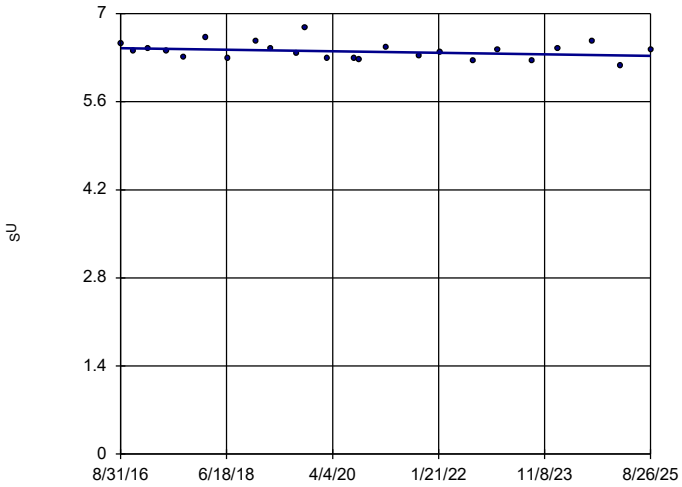
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

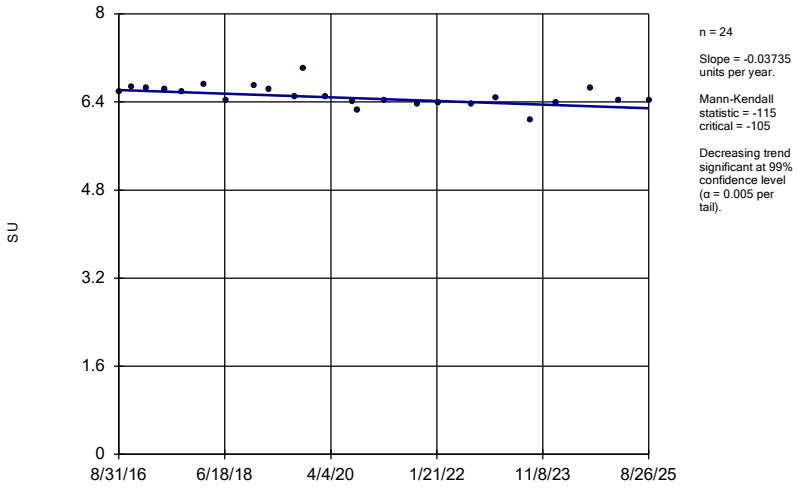
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

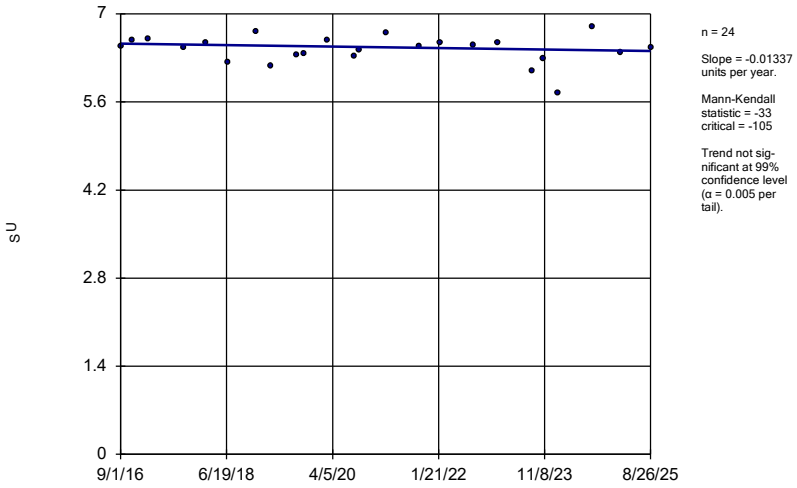
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

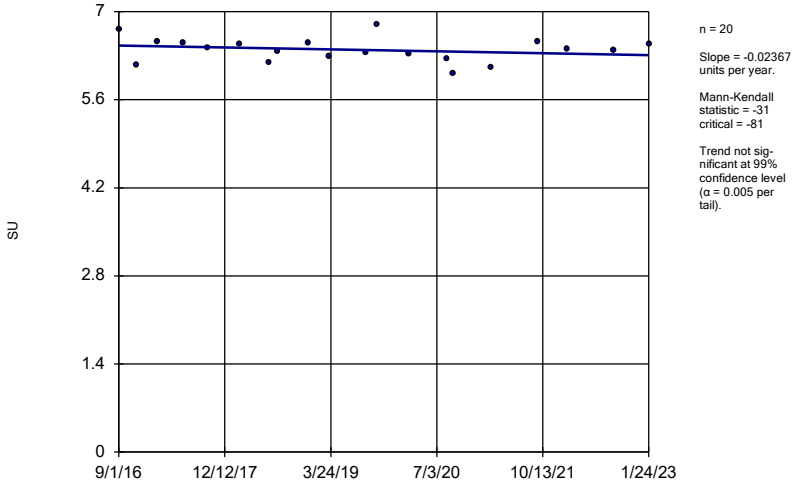
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 20

Slope = -0.02367 units per year.

Mann-Kendall statistic = -31
critical = -81

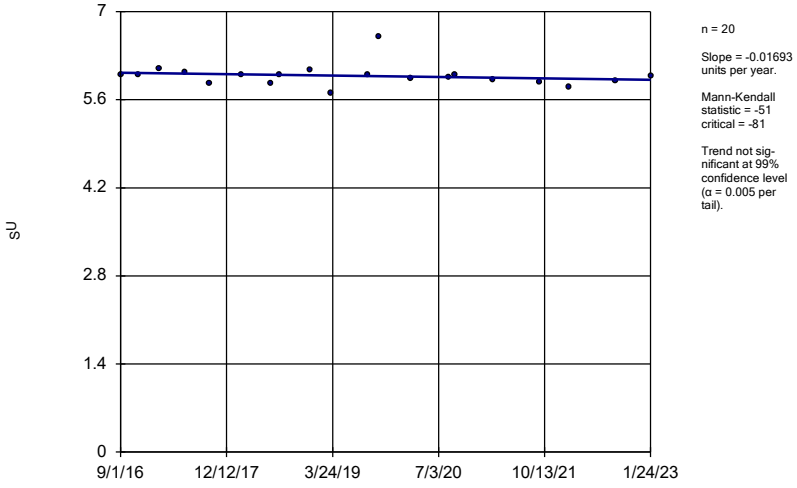
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 20

Slope = -0.01693 units per year.

Mann-Kendall statistic = -51
critical = -81

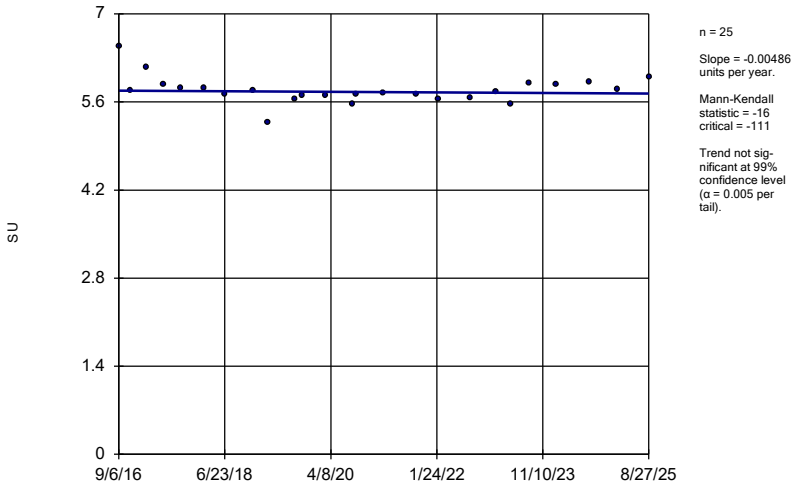
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 25

Slope = -0.00486 units per year.

Mann-Kendall statistic = -16 critical = -111

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

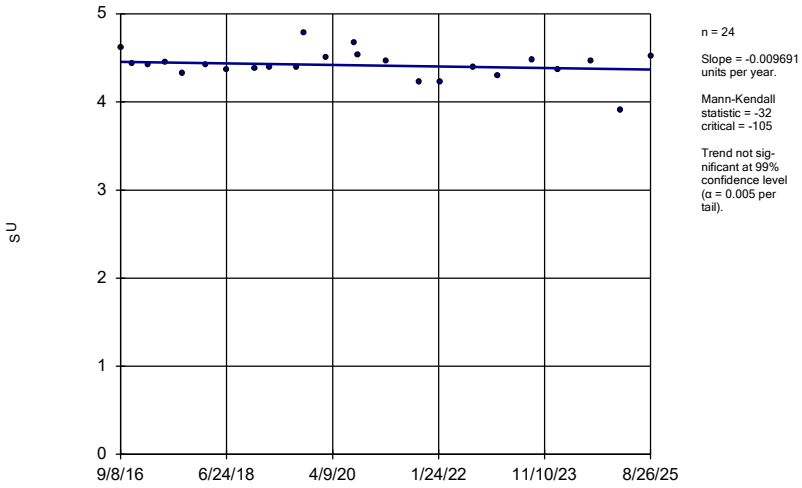
Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 24

Slope = -0.009691 units per year.

Mann-Kendall statistic = -32 critical = -105

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

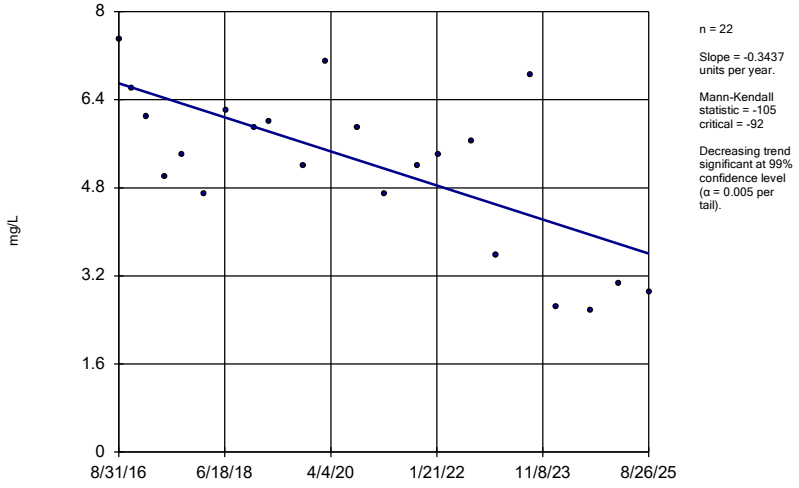
Constituent: pH, Field Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 10/23/2025 1:59 PM View: Appendix III - Trend Test

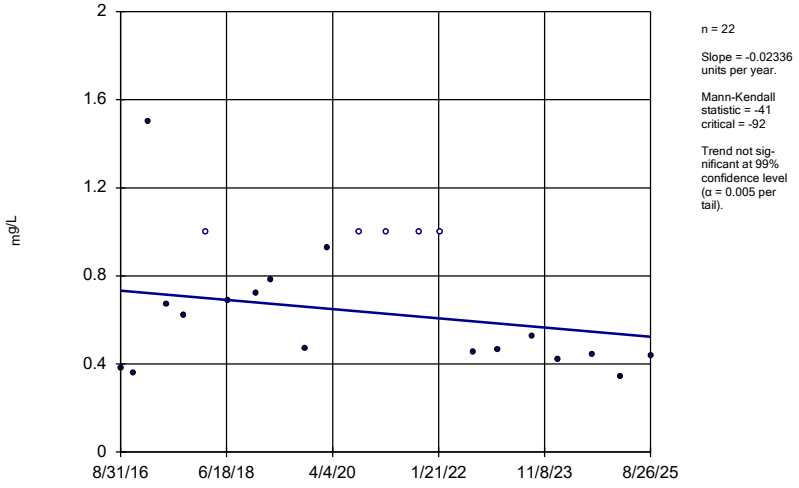
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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).

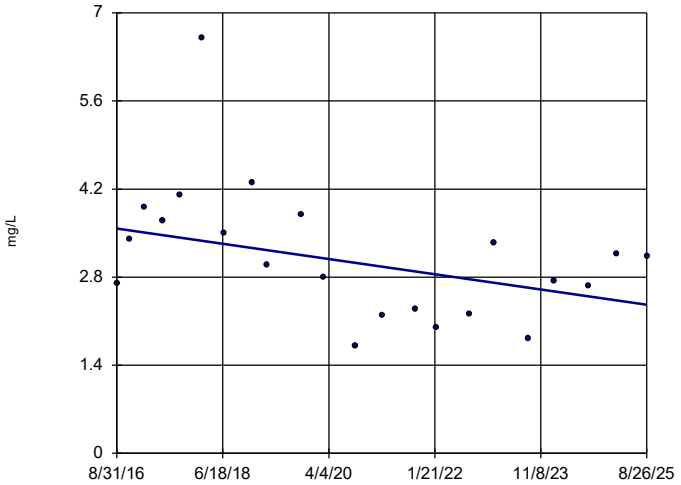
Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

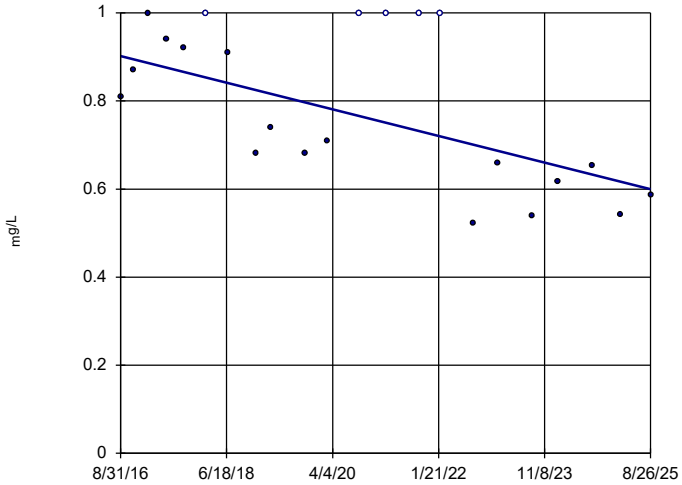
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

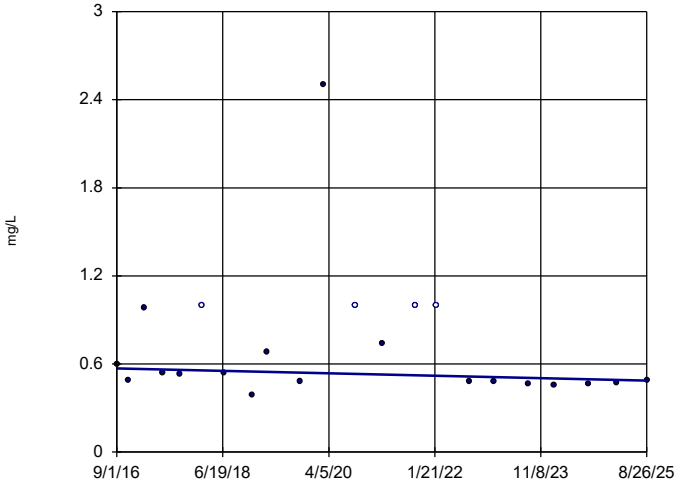
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

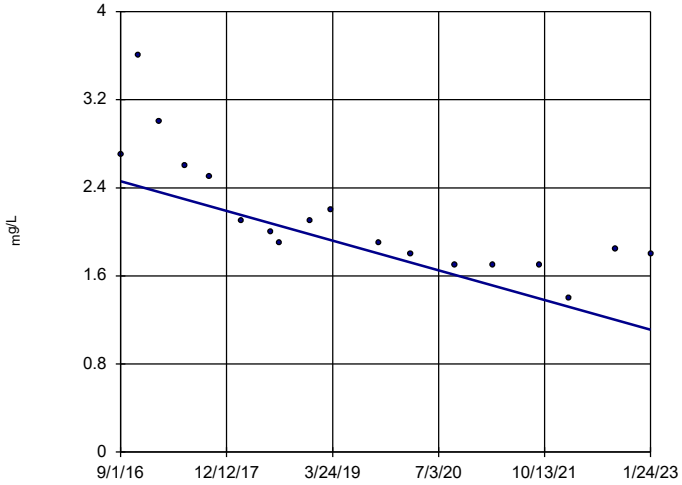
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.2108 units per year.

Mann-Kendall statistic = -113
critical = -68

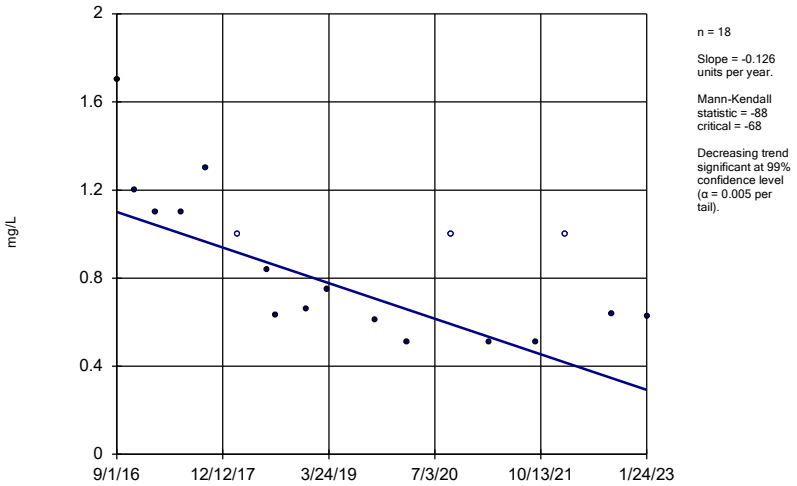
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = -0.126 units per year.

Mann-Kendall statistic = -88
critical = -68

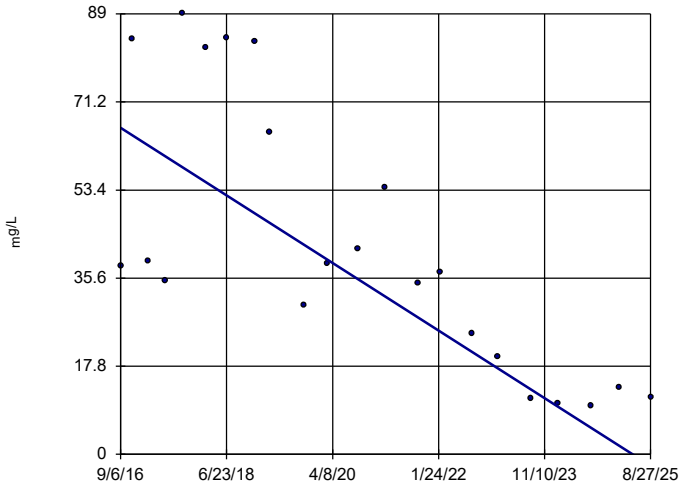
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 22

Slope = -7.608 units per year.

Mann-Kendall statistic = -141
critical = -92

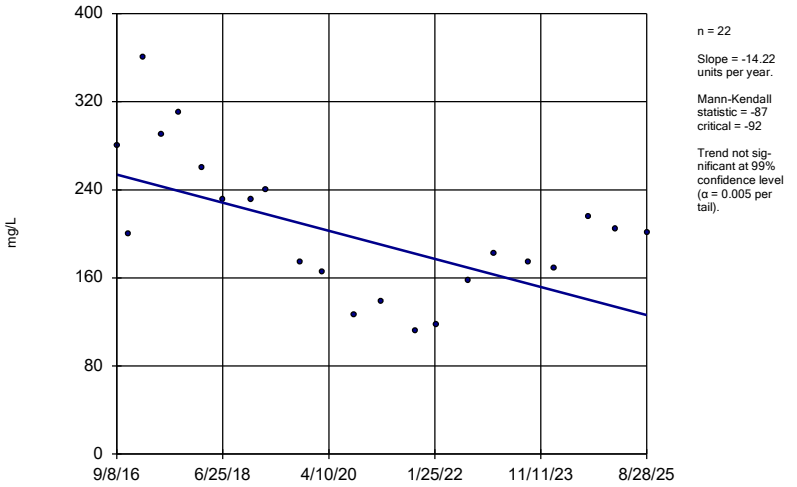
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 22

Slope = -14.22 units per year.

Mann-Kendall statistic = -87
critical = -92

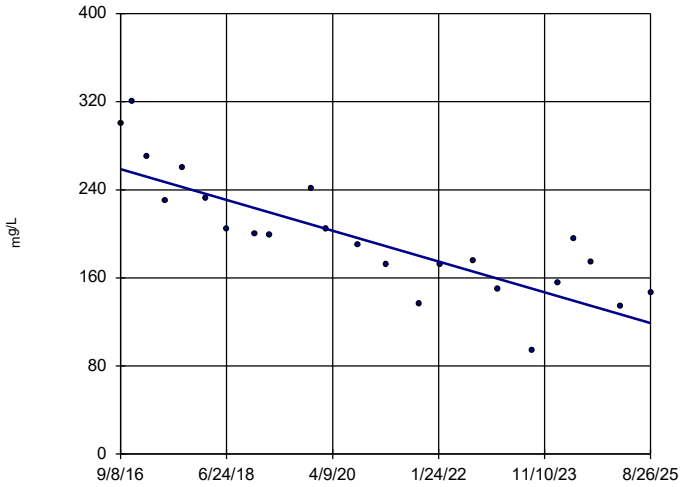
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 23

Slope = -15.58 units per year.

Mann-Kendall statistic = -179
critical = -98

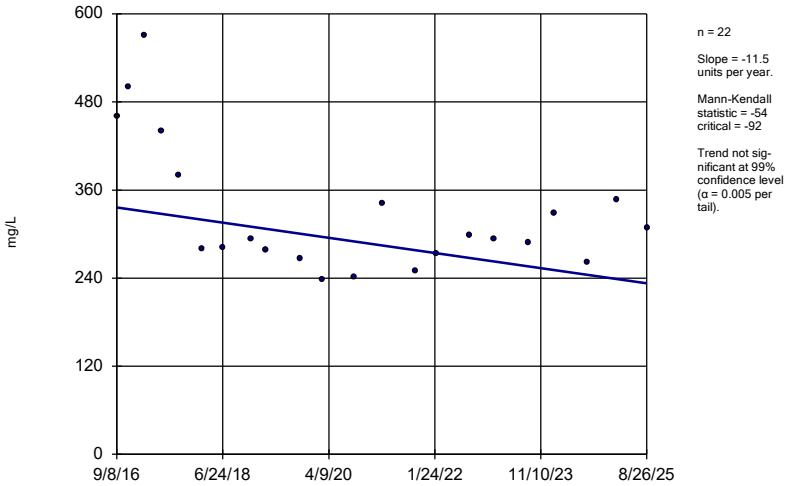
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 22

Slope = -11.5 units per year.

Mann-Kendall statistic = -54
critical = -92

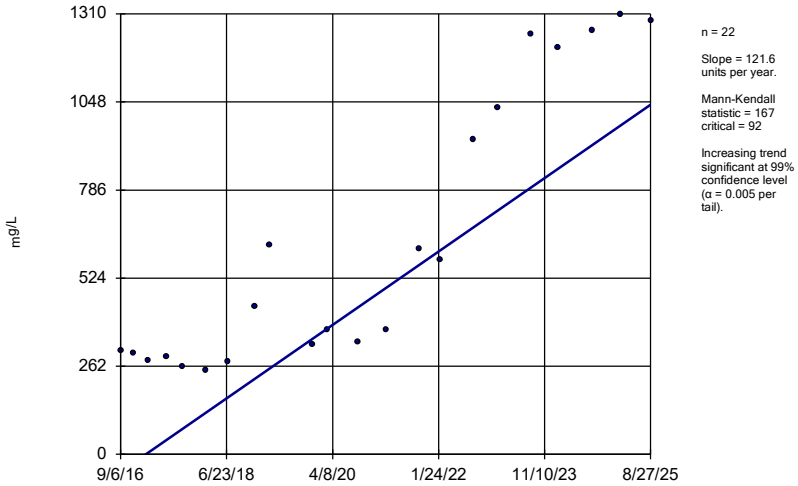
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 22

Slope = 121.6 units per year.

Mann-Kendall statistic = 167
critical = 92

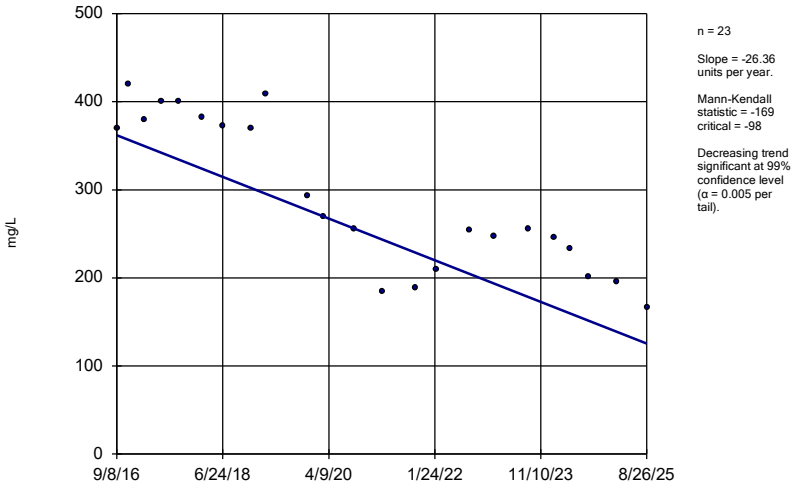
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 23

Slope = -26.36 units per year.

Mann-Kendall statistic = -169
critical = -98

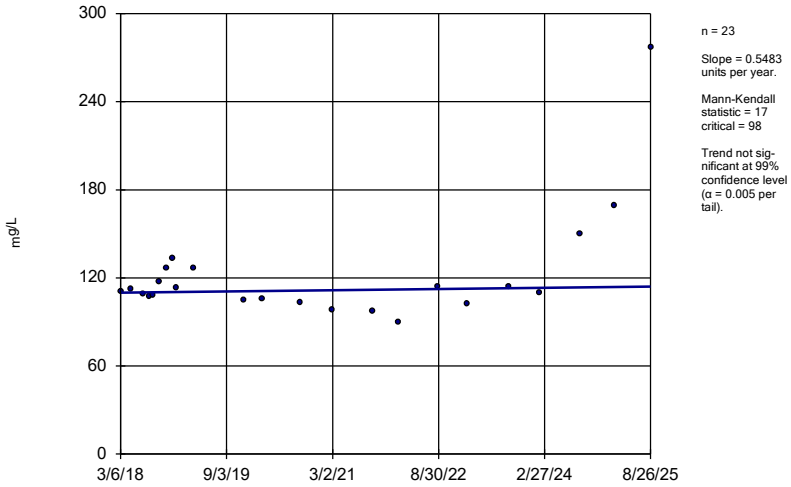
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 23

Slope = 0.5483 units per year.

Mann-Kendall statistic = 17
critical = 98

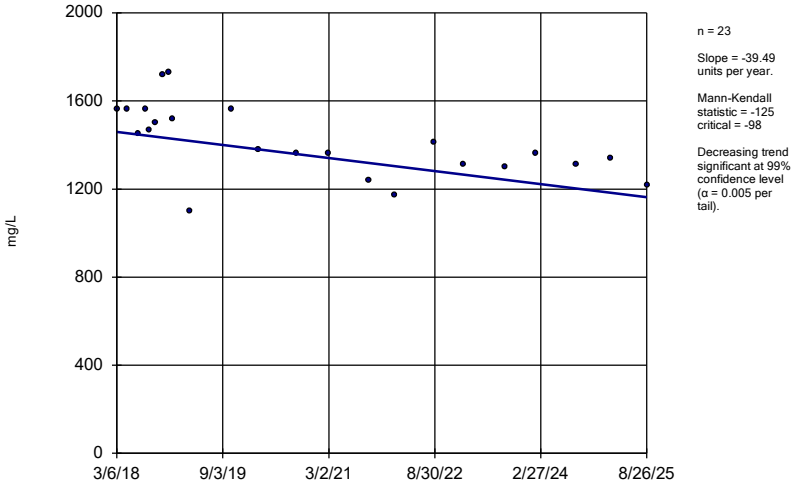
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-47



n = 23

Slope = -39.49 units per year.

Mann-Kendall statistic = -125 critical = -98

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

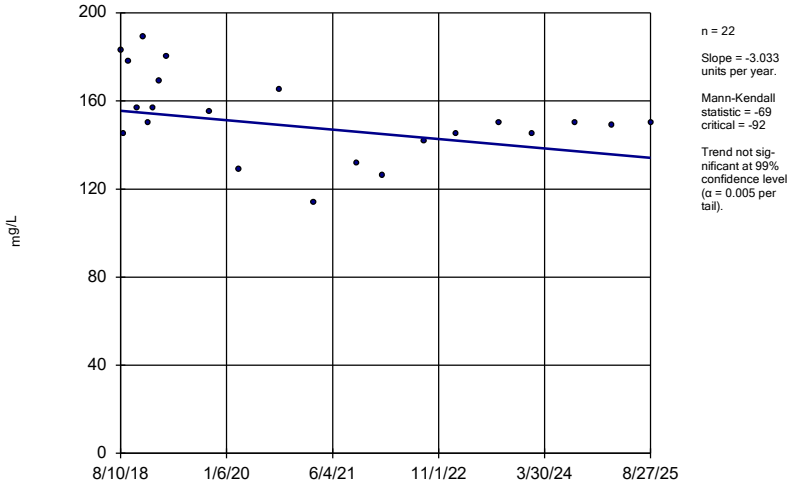
Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 22

Slope = -3.033 units per year.

Mann-Kendall statistic = -69 critical = -92

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

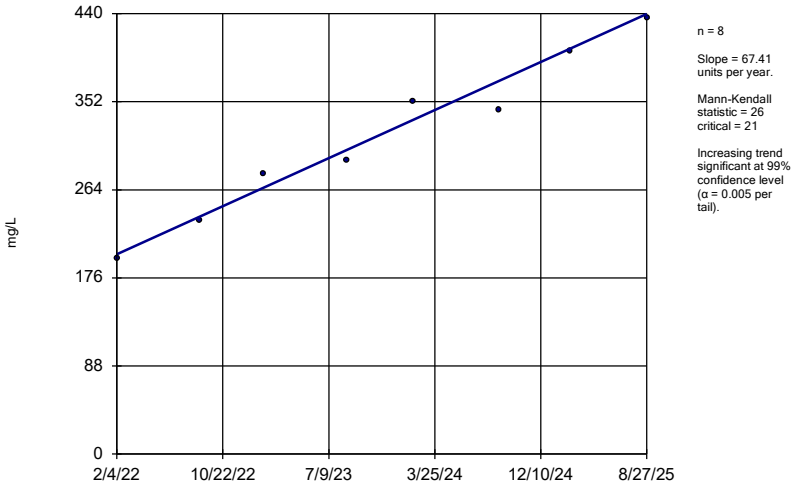
Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 8

Slope = 67.41 units per year.

Mann-Kendall statistic = 26 critical = 21

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

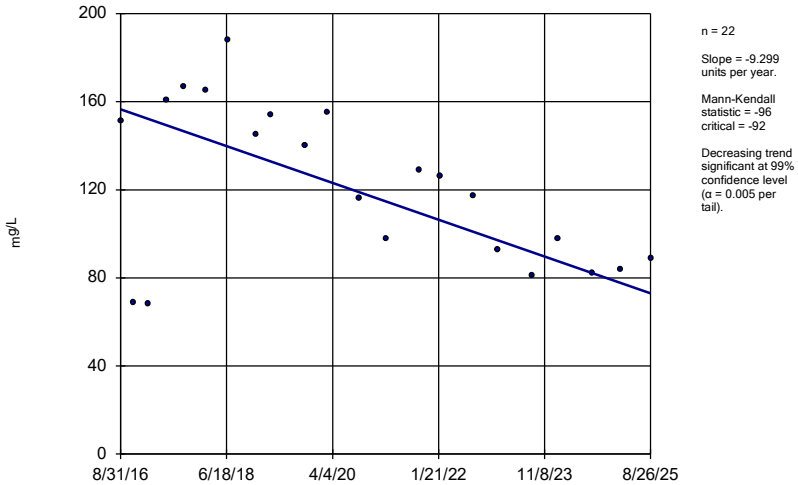
Constituent: Sulfate Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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).

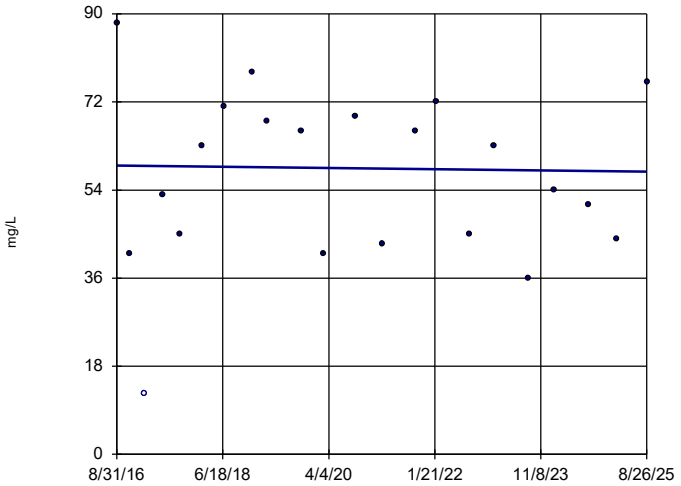
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

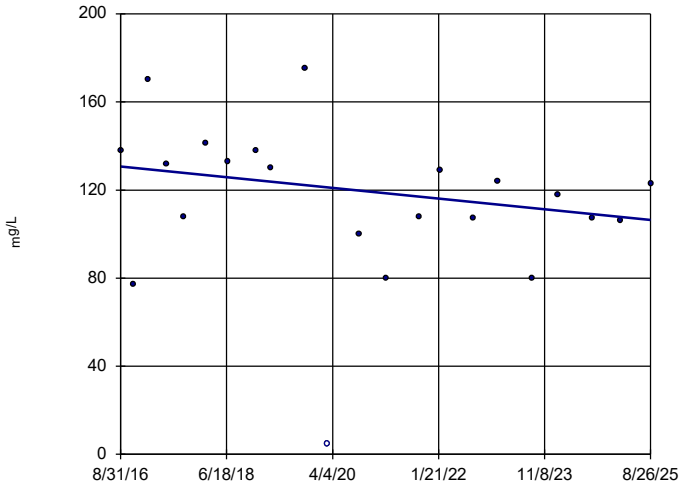
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

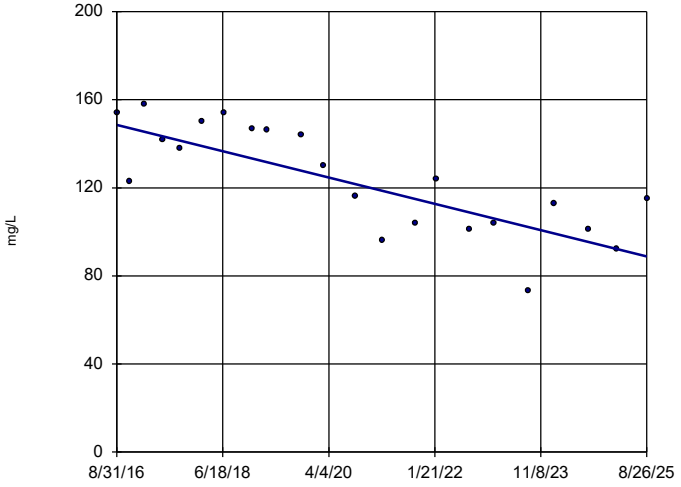
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

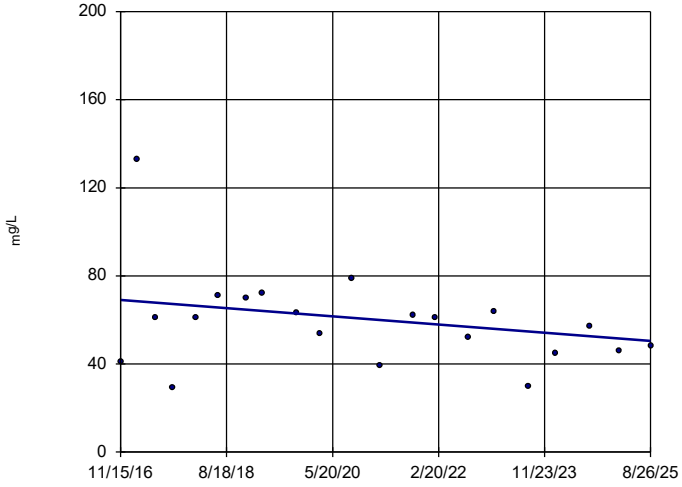
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

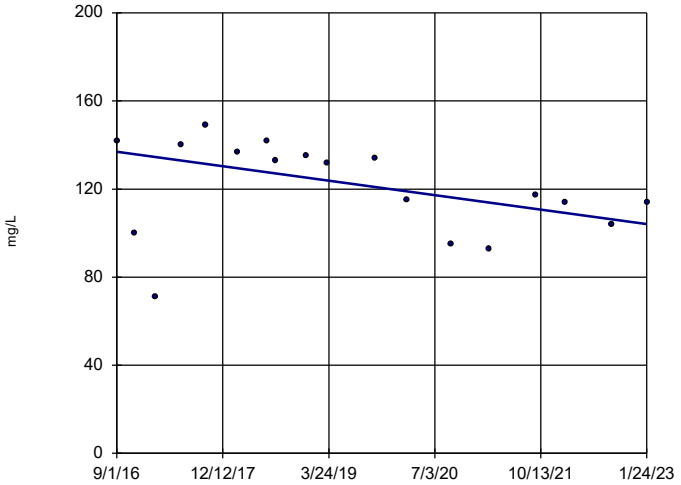
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -5.117 units per year.

Mann-Kendall statistic = -61
critical = -68

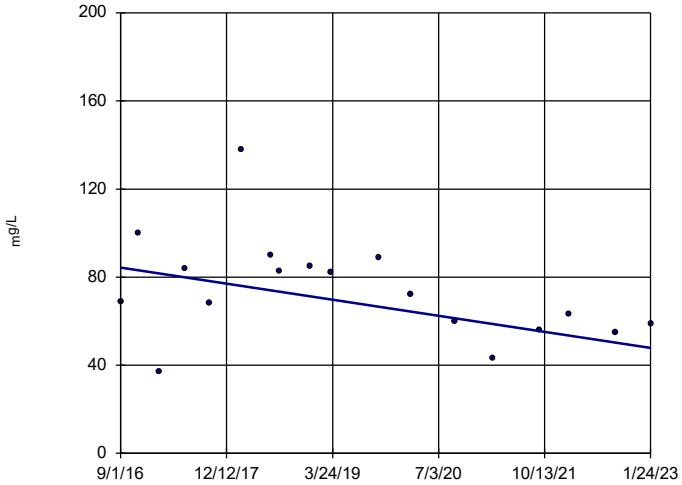
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = -5.699 units per year.

Mann-Kendall statistic = -57
critical = -68

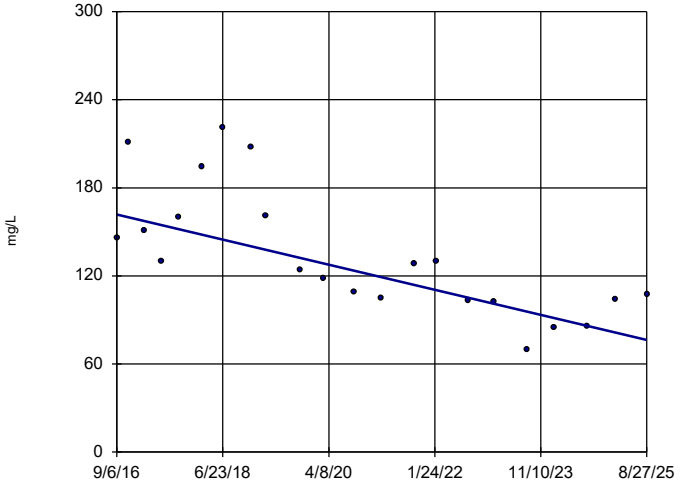
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 22

Slope = -9.507 units per year.

Mann-Kendall statistic = -134
critical = -92

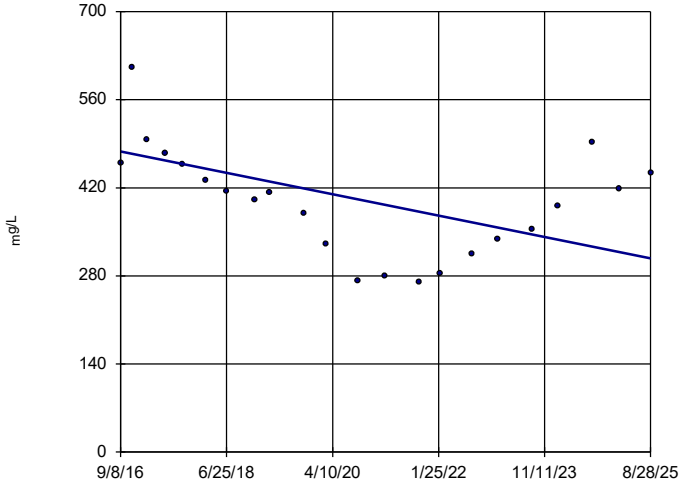
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 22

Slope = -18.92 units per year.

Mann-Kendall statistic = -73
critical = -92

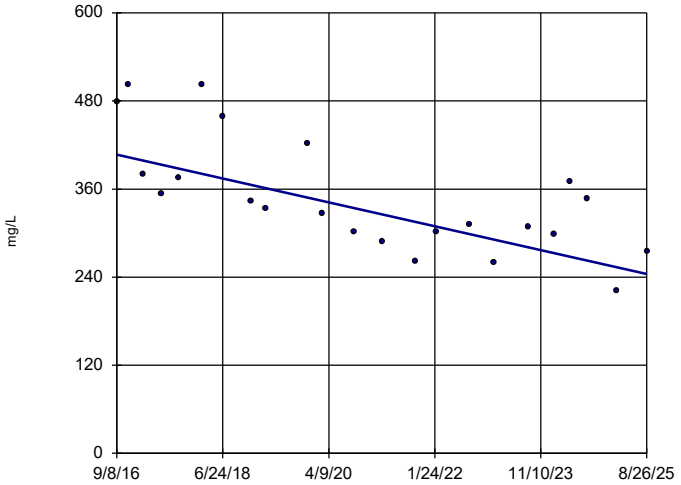
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 23

Slope = -18.14 units per year.

Mann-Kendall statistic = -143 critical = -98

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

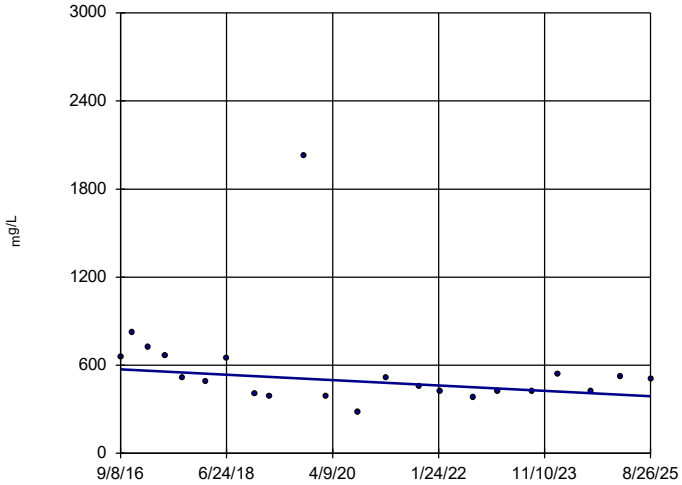
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 22

Slope = -20.38 units per year.

Mann-Kendall statistic = -65 critical = -92

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

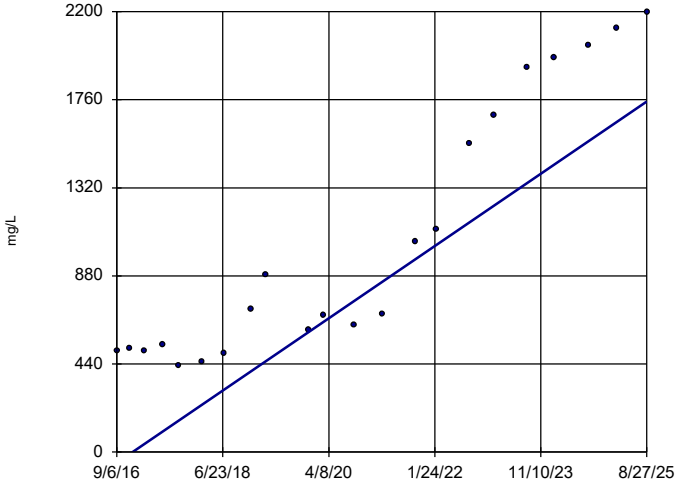
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 22

Slope = 201.1 units per year.

Mann-Kendall statistic = 185 critical = 92

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

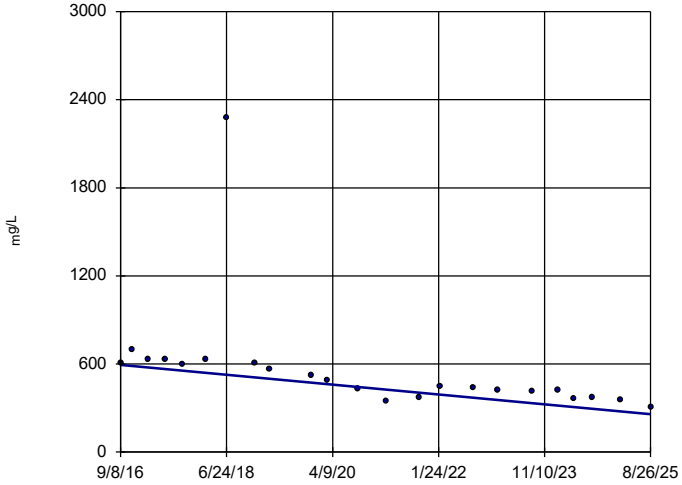
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 23

Slope = -37.39 units per year.

Mann-Kendall statistic = -192 critical = -98

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

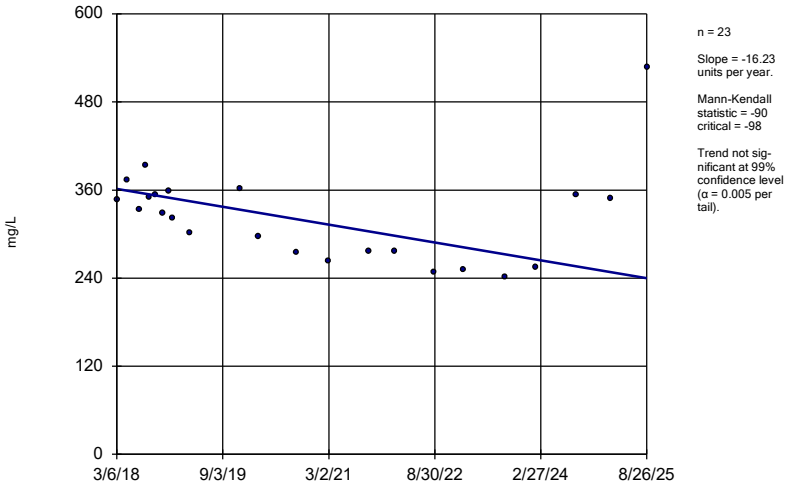
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 23

Slope = -16.23 units per year.

Mann-Kendall statistic = -90 critical = -98

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

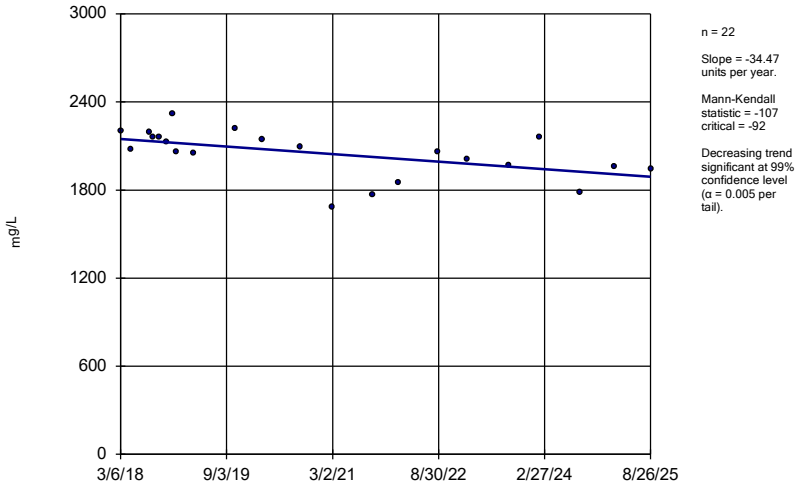
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-47



n = 22

Slope = -34.47 units per year.

Mann-Kendall statistic = -107 critical = -92

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

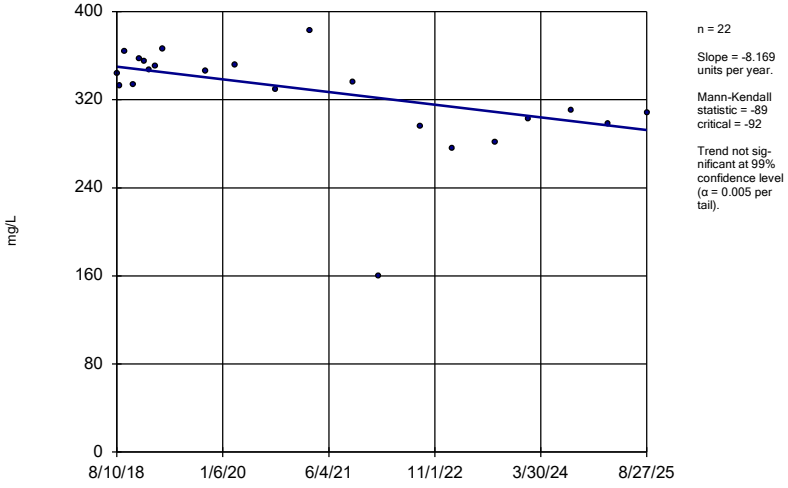
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 22

Slope = -8.169 units per year.

Mann-Kendall statistic = -89 critical = -92

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

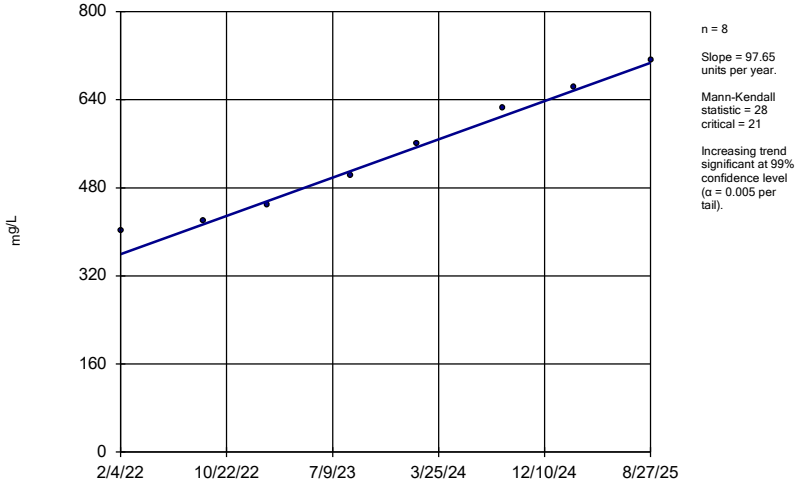
Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 8

Slope = 97.65 units per year.

Mann-Kendall statistic = 28 critical = 21

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

Constituent: TDS Analysis Run 10/23/2025 1:59 PM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE F.

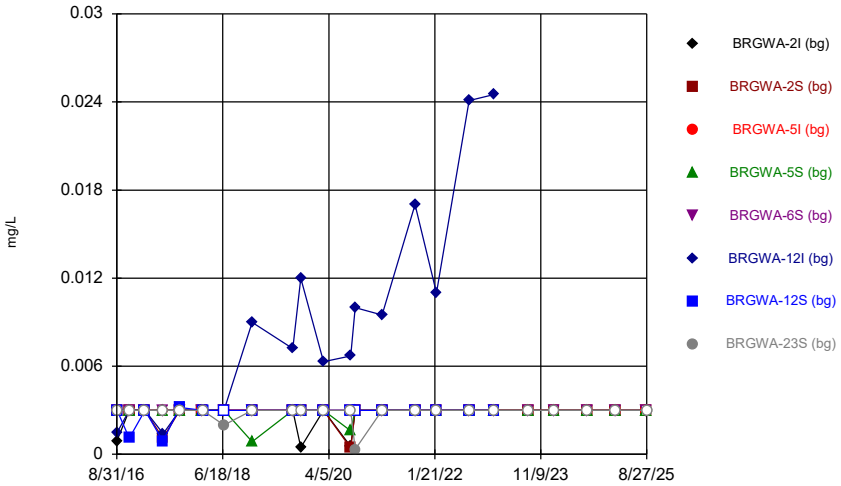
Upper Tolerance Limits Summary Table

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/27/2025, 1:50 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0245	n/a	n/a	n/a	n/a	174	85.63	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	174	77.59	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.13	n/a	n/a	n/a	n/a	174	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	174	100	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	176	98.86	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.016	n/a	n/a	n/a	n/a	174	21.84	n/a	NaN	NP Inter(normality)
Cobalt (mg/L)	n/a	0.0135	n/a	n/a	n/a	n/a	175	54.29	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	2.659	n/a	n/a	n/a	n/a	174	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.42	n/a	n/a	n/a	n/a	182	44.51	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	174	89.66	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.089	n/a	n/a	n/a	n/a	174	41.95	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.00021	n/a	n/a	n/a	n/a	158	90.51	n/a	0.0003022	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.008	n/a	n/a	n/a	n/a	171	72.51	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.006	n/a	n/a	n/a	n/a	174	92.53	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	174	100	n/a	NaN	NP Inter(NDs)

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

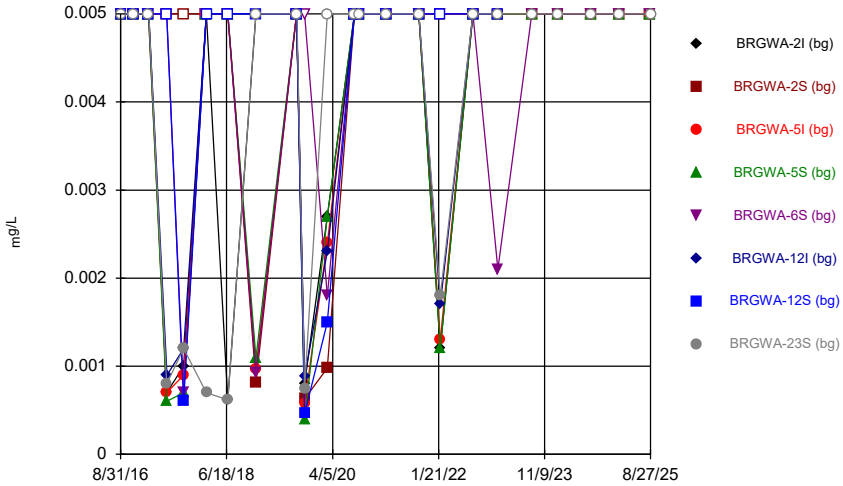
Time Series



Constituent: Antimony Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

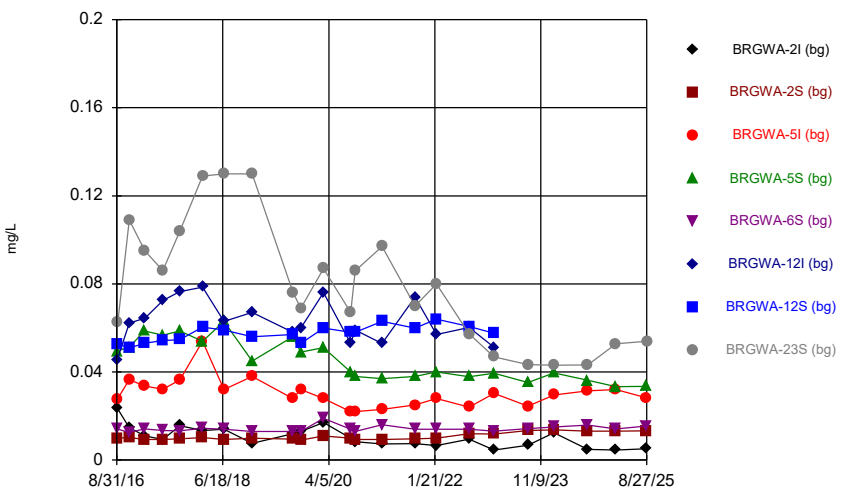
Time Series



Constituent: Arsenic Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

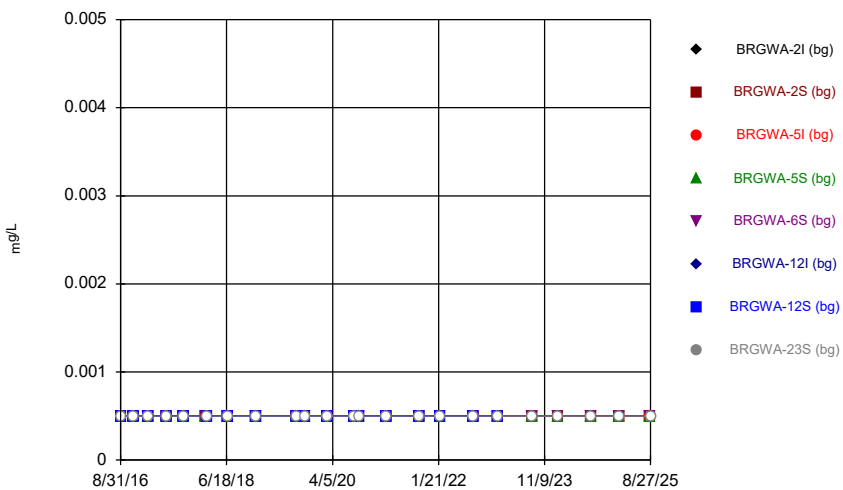
Time Series



Constituent: Barium Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

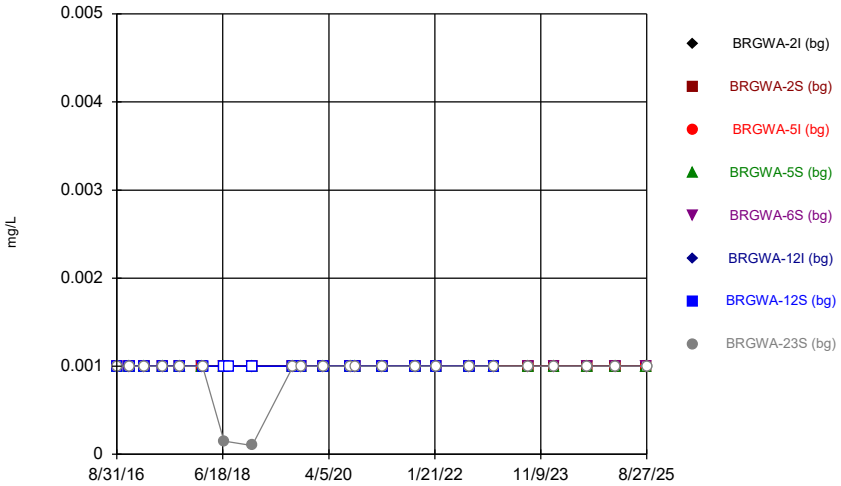
Time Series



Constituent: Beryllium Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

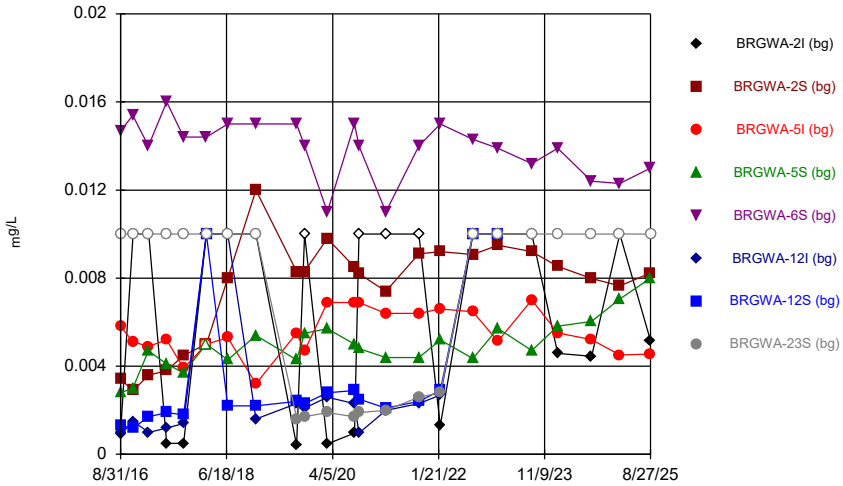
Time Series



Constituent: Cadmium Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

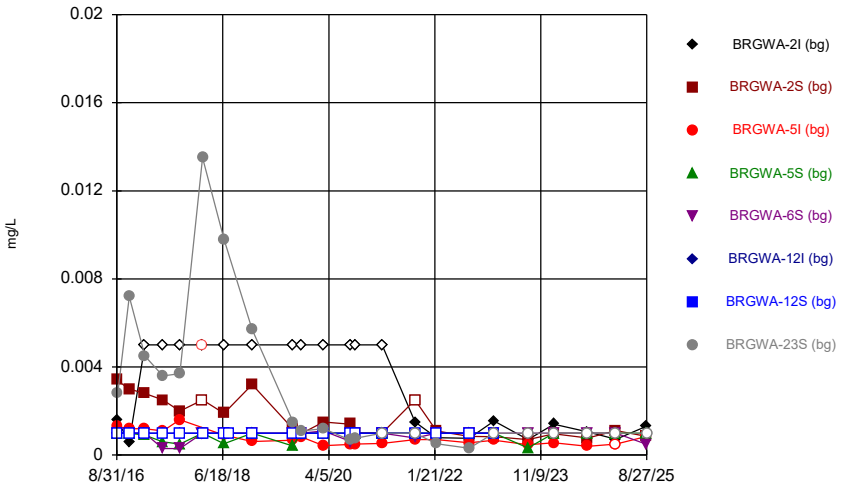
Time Series



Constituent: Chromium Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

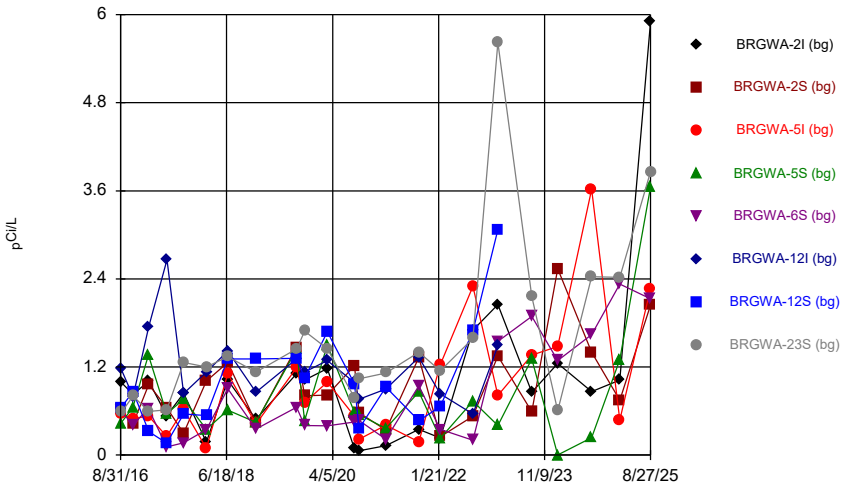
Time Series



Constituent: Cobalt Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

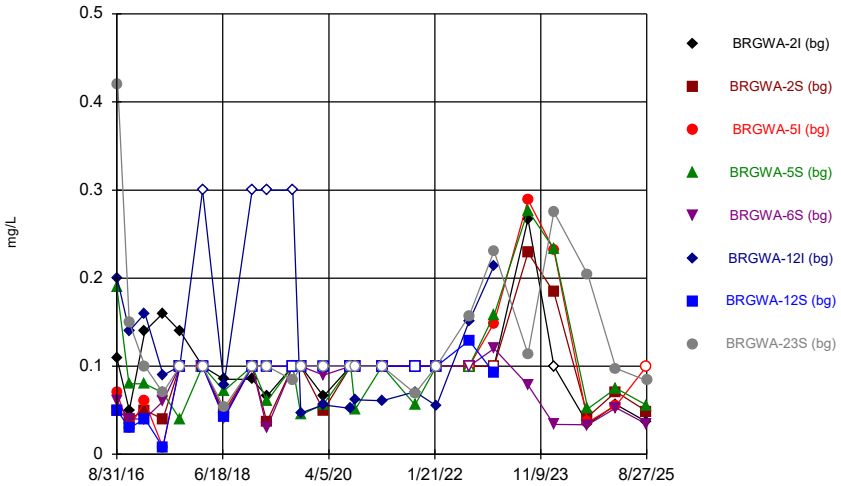
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

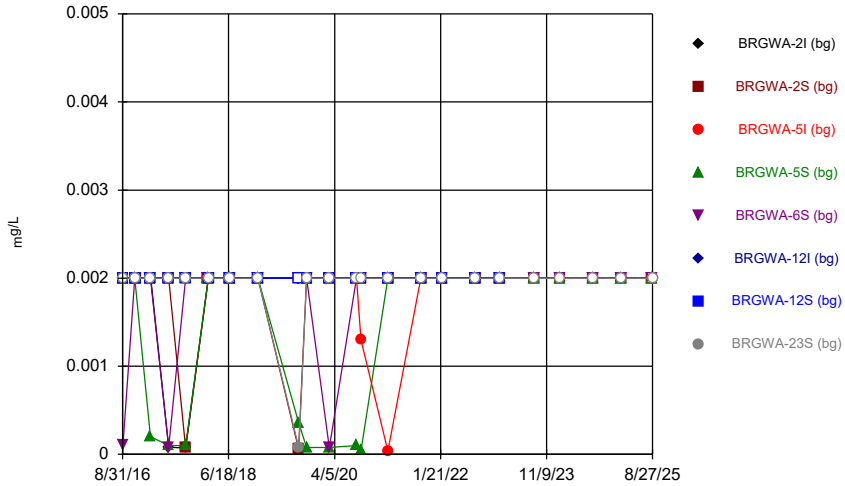
Time Series



Constituent: Fluoride Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

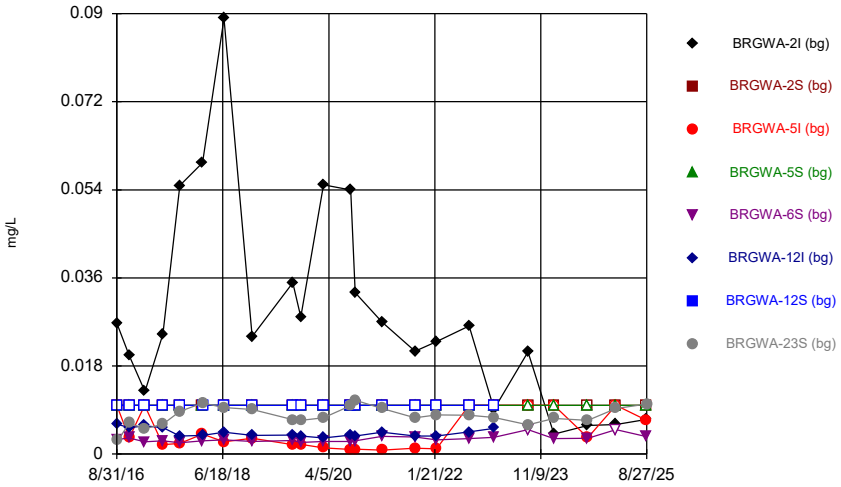
Time Series



Constituent: Lead Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

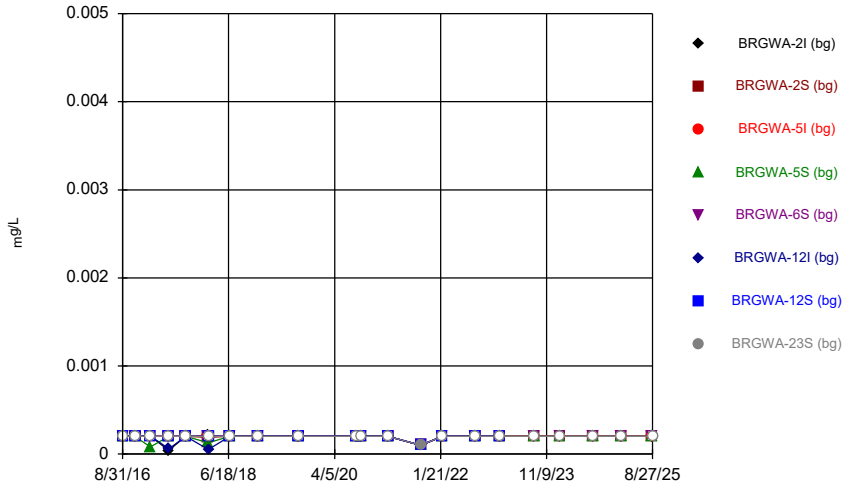
Time Series



Constituent: Lithium Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

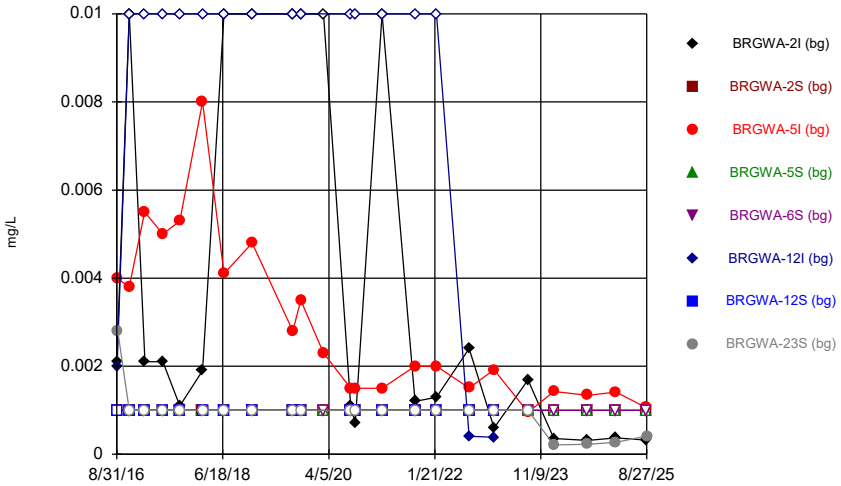
Time Series



Constituent: Mercury Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

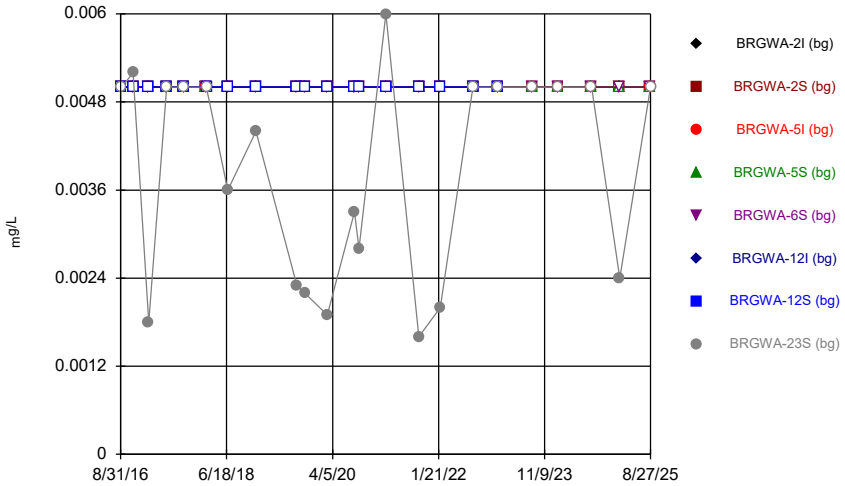
Time Series



Constituent: Molybdenum Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

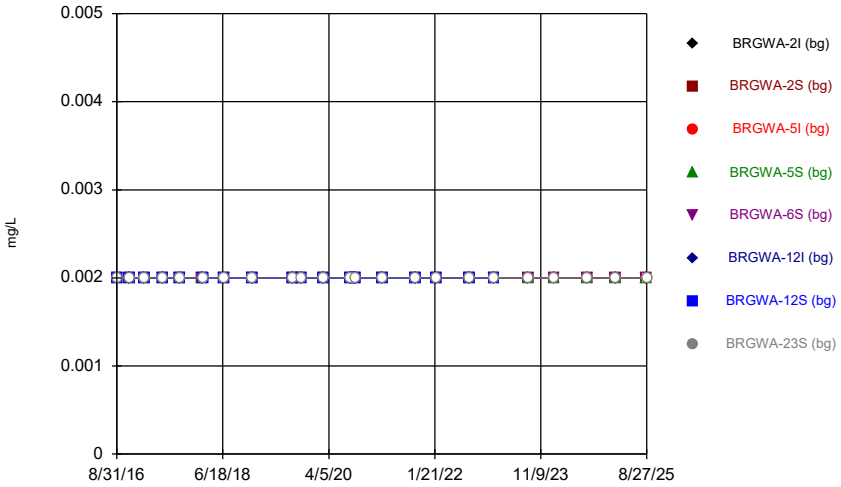
Time Series



Constituent: Selenium Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

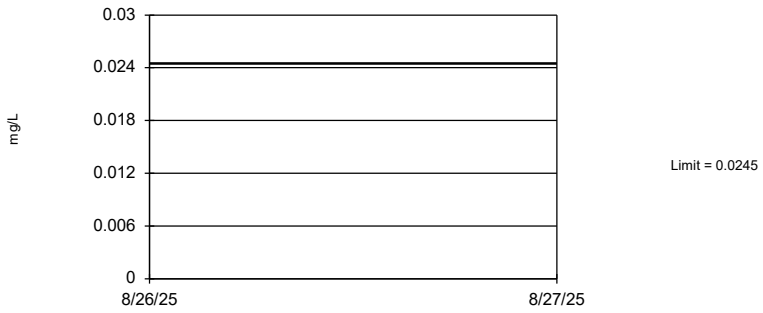


Constituent: Thallium Analysis Run 10/27/2025 1:45 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 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 174 background values. 85.63% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Antimony Analysis Run 10/27/2025 1:49 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



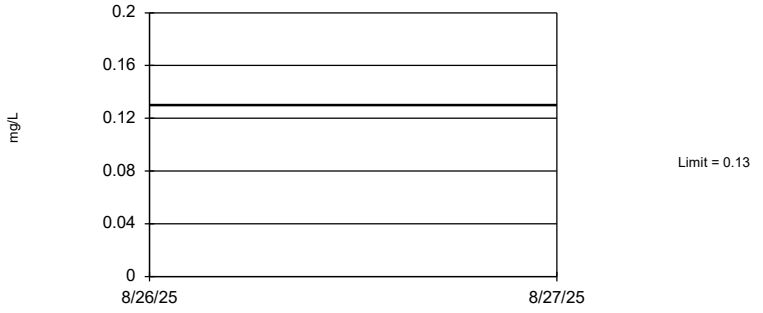
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 174 background values. 77.59% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 10/27/2025 1:49 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



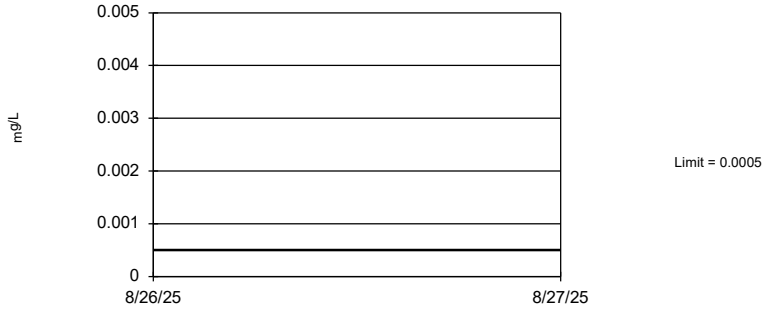
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 174 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 10/27/2025 1:49 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



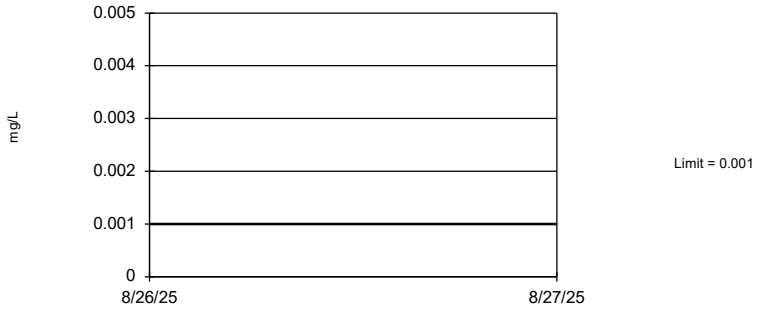
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Beryllium Analysis Run 10/27/2025 1:49 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 176 background values. 98.86% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 10/27/2025 1:49 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



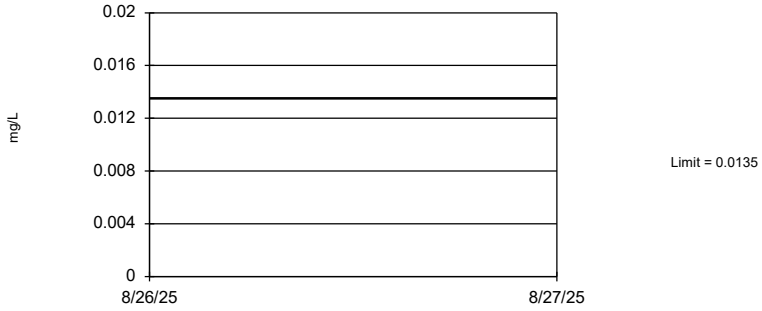
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 174 background values. 21.84% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Chromium Analysis Run 10/27/2025 1:49 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



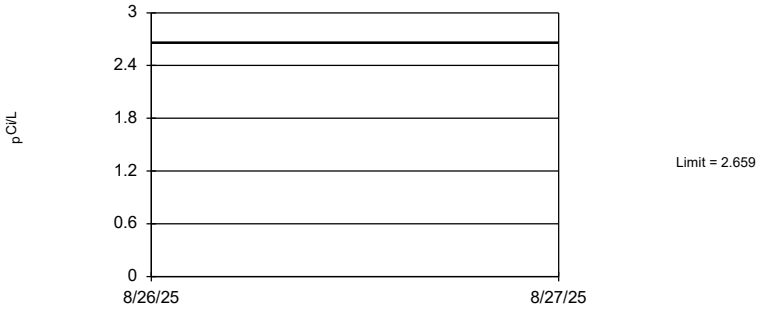
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 175 background values. 54.29% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cobalt Analysis Run 10/27/2025 1:49 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Parametric



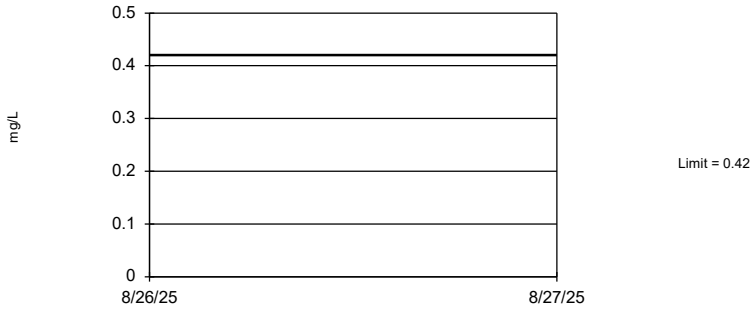
95% coverage. Background Data Summary (based on square root transformation): Mean=0.948, Std. Dev.=0.3689, n=174. Normality test: Chi Squared @alpha = 0.01, calculated = 10.83, critical = 14.07. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



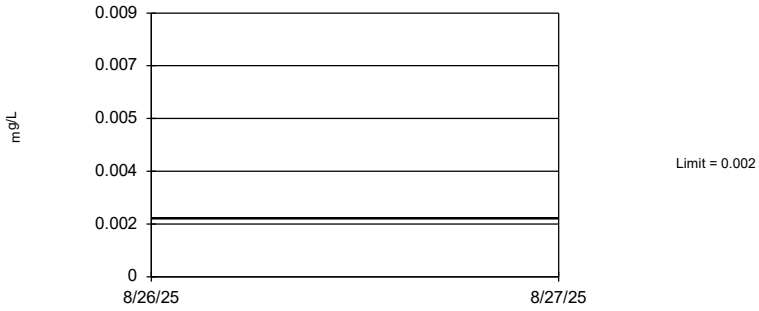
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 182 background values. 44.51% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Fluoride Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



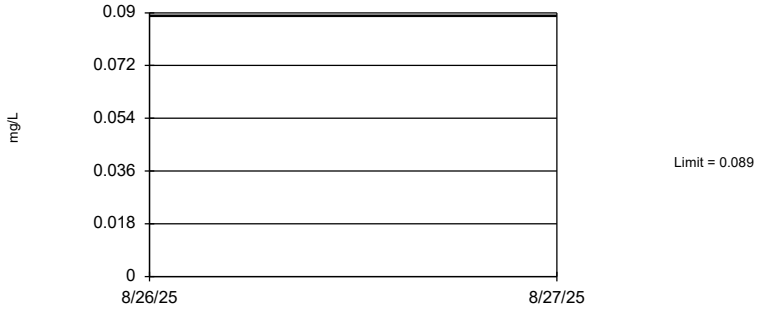
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 174 background values. 89.66% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



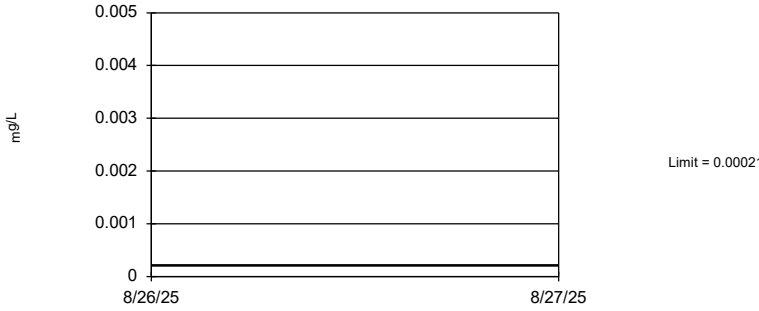
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 174 background values. 41.95% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lithium Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 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 158 background values. 90.51% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0003022.

Constituent: Mercury Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 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 171 background values. 72.51% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Molybdenum Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



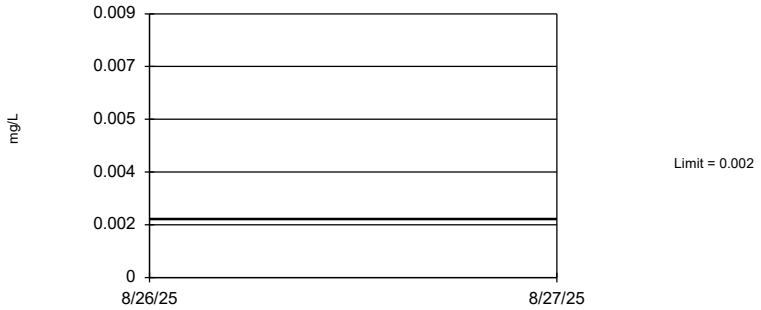
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 174 background values. 92.53% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Selenium Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 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. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Thallium Analysis Run 10/27/2025 1:50 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Tolerance Limit

Constituent: Antimony (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	0.0009 (J)	<0.003	<0.003	<0.003				
9/1/2016					<0.003	0.0015 (J)	<0.003	
9/6/2016								<0.003
11/15/2016		<0.003					<0.003	
11/16/2016	<0.003		<0.003	<0.003	0.0011 (J)	<0.003		
11/17/2016								<0.003
2/20/2017		<0.003	<0.003				<0.003	
2/21/2017	<0.003			<0.003	<0.003	<0.003		<0.003
6/12/2017	<0.003	<0.003	<0.003				<0.003	
6/13/2017				0.0011 (J)	0.0009 (J)			<0.003
6/14/2017						0.0014 (J)		
9/26/2017	<0.003	<0.003	<0.003	<0.003	0.0032	<0.003	<0.003	<0.003
2/13/2018	<0.003	<0.003	<0.003	<0.003			<0.003	
2/14/2018					<0.003	<0.003		<0.003
6/26/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.002 (J)
12/18/2018	<0.003	0.00087 (J)	<0.003	<0.003	<0.003	0.009	<0.003	<0.003
8/27/2019	<0.003	<0.003	<0.003	<0.003	<0.003	0.0072	<0.003	
8/29/2019								<0.003
10/15/2019	0.00047 (J)	<0.003	<0.003	<0.003	<0.003	0.012	<0.003	<0.003
3/3/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.0063	<0.003	
3/4/2020								<0.003
8/18/2020	0.00054 (J)	0.0016 (J)	<0.003	0.00042 (J)	<0.003	0.0067	<0.003	<0.003
9/15/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.01	<0.003	0.00033 (J)
3/1/2021	<0.003						<0.003	
3/2/2021		<0.003	<0.003	<0.003	<0.003	0.0095		<0.003
9/21/2021		<0.003	<0.003		<0.003	0.017		
9/22/2021	<0.003			<0.003			<0.003	<0.003
2/1/2022	<0.003	<0.003	<0.003	<0.003	<0.003	0.011	<0.003	<0.003
8/23/2022	<0.003	<0.003	<0.003	<0.003	<0.003	0.0241	<0.003	<0.003
1/24/2023	<0.003	<0.003	<0.003	<0.003	<0.003	0.0245	<0.003	<0.003
8/22/2023	<0.003	<0.003	<0.003	<0.003			<0.003	<0.003
1/30/2024	<0.003	<0.003	<0.003	<0.003			<0.003	<0.003
8/27/2024	<0.003	<0.003	<0.003	<0.003			<0.003	<0.003
2/18/2025	<0.003	<0.003	<0.003	<0.003			<0.003	<0.003
8/26/2025	<0.003	<0.003	<0.003	<0.003			<0.003	
8/27/2025								<0.003

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	<0.005	<0.005	<0.005	<0.005				
9/1/2016					<0.005	<0.005	<0.005	
9/6/2016								<0.005
11/15/2016		<0.005					<0.005	
11/16/2016	<0.005		<0.005	<0.005	<0.005	<0.005		
11/17/2016								<0.005
2/20/2017		<0.005	<0.005				<0.005	
2/21/2017	<0.005			<0.005	<0.005	<0.005		<0.005
6/12/2017	0.0007 (J)	0.0006 (J)	0.0007 (J)				<0.005	
6/13/2017				<0.005	<0.005			0.0008 (J)
6/14/2017						0.0009 (J)		
9/26/2017	0.001 (J)	0.0007 (J)	0.0009 (J)	<0.005	0.0006 (J)	0.0012 (J)	0.0007 (J)	0.0012 (J)
2/13/2018	<0.005	<0.005	<0.005	<0.005			<0.005	
2/14/2018					<0.005	<0.005		0.0007 (J)
6/26/2018	0.00062 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.00062 (J)
12/18/2018	<0.005	0.0011 (J)	0.00097 (J)	0.00082 (J)	<0.005	<0.005	0.00092 (J)	<0.005
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2019								<0.005
10/15/2019	0.0008 (J)	0.00039 (J)	0.00058 (J)	0.00063 (J)	0.00046 (J)	0.00088 (J)	<0.005	0.00075 (J)
3/3/2020	0.0027 (J)	0.0027 (J)	0.0024 (J)	0.00098 (J)	0.0015 (J)	0.0023 (J)	0.0018 (J)	
3/4/2020								<0.005
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/1/2021	<0.005						<0.005	
3/2/2021		<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
9/21/2021		<0.005	<0.005		<0.005	<0.005		
9/22/2021	<0.005			<0.005			<0.005	<0.005
2/1/2022	0.0012 (J)	0.0012 (J)	0.0013 (J)	<0.005	<0.005	0.0017 (J)	<0.005	0.0018 (J)
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0021 (J)	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
1/30/2024	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
8/27/2024	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
2/18/2025	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
8/26/2025	<0.005	<0.005	<0.005	<0.005			<0.005	
8/27/2025								<0.005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	0.0239	0.0495	0.0273	0.0099 (J)				
9/1/2016					0.0528	0.0454	0.0142	
9/6/2016								0.0624
11/15/2016		0.0512					0.0126	
11/16/2016	0.0147		0.0365	0.0102	0.0509	0.0623		
11/17/2016								0.109
2/20/2017		0.0586	0.0336				0.0142	
2/21/2017	0.0109			0.0094 (J)	0.0531	0.0644		0.095
6/12/2017	0.0094 (J)	0.0567	0.0322				0.0134	
6/13/2017				0.0094 (J)	0.0543			0.0861
6/14/2017						0.0726		
9/26/2017	0.0156	0.0586	0.0364	0.0096 (J)	0.0547	0.0765	0.0133	0.104
2/13/2018	0.0134	0.054	0.054	0.0102			0.0145	
2/14/2018					0.0603	0.0786		0.129
6/26/2018	0.014	0.063	0.032	0.0093 (J)	0.059	0.063	0.014	0.13
12/18/2018	0.0076 (J)	0.045	0.038	0.01	0.056	0.067	0.013	0.13
8/27/2019	0.012	0.056	0.028	0.0095 (J)	0.057	0.058	0.013	
8/29/2019								0.076
10/15/2019	0.013	0.049	0.032	0.0091 (J)	0.053	0.06	0.013	0.069
3/3/2020	0.017	0.051	0.028	0.011	0.06	0.076	0.019	
3/4/2020								0.087
8/18/2020	0.01 (J)	0.04	0.022	0.01	0.058	0.053	0.014	0.067
9/15/2020	0.0083 (J)	0.038	0.022	0.0094 (J)	0.058	0.059	0.013	0.086
3/1/2021	0.0074						0.016	
3/2/2021		0.037	0.023	0.0094	0.063	0.053		0.097
9/21/2021		0.038	0.025		0.06	0.074		
9/22/2021	0.0075			0.0097			0.014	0.07
2/1/2022	0.0066	0.04	0.028	0.01	0.064	0.057	0.014	0.08
8/23/2022	0.00954	0.0379	0.0241	0.012	0.0607	0.0602	0.014	0.0573
1/24/2023	0.00453	0.0394	0.0303	0.0118	0.0576	0.0512	0.0132	0.0468
8/22/2023	0.0068	0.0352	0.0245	0.0135			0.0143	0.0434
1/30/2024	0.0124	0.0396	0.0296	0.0137			0.0151	0.0431
8/27/2024	0.00493	0.0362	0.0314	0.0132			0.0159	0.0432
2/18/2025	0.00462	0.0334	0.032	0.0131			0.0142	0.0528
8/26/2025	0.00508	0.0335	0.0282	0.0133			0.0155	
8/27/2025								0.054

Tolerance Limit

Constituent: Beryllium (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	<0.0005	<0.0005	<0.0005	<0.0005				
9/1/2016					<0.0005	<0.0005	<0.0005	
9/6/2016								<0.0005
11/15/2016		<0.0005					<0.0005	
11/16/2016	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		
11/17/2016								<0.0005
2/20/2017		<0.0005	<0.0005				<0.0005	
2/21/2017	<0.0005			<0.0005	<0.0005	<0.0005		<0.0005
6/12/2017	<0.0005	<0.0005	<0.0005				<0.0005	
6/13/2017				<0.0005	<0.0005			<0.0005
6/14/2017						<0.0005		
9/26/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/13/2018	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	
2/14/2018					<0.0005	<0.0005		<0.0005
6/26/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/29/2019								<0.0005
10/15/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/3/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2020								<0.0005
8/18/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/1/2021	<0.0005						<0.0005	
3/2/2021		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
9/21/2021		<0.0005	<0.0005		<0.0005	<0.0005		
9/22/2021	<0.0005			<0.0005			<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/23/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/22/2023	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005
1/30/2024	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005
8/27/2024	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005
2/18/2025	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005
8/26/2025	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005	
8/27/2025								<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cadmium (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-6S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-23S (bg)
8/31/2016	<0.001	<0.001	<0.001	<0.001				
9/1/2016					<0.001	<0.001	<0.001	
9/6/2016								<0.001
11/15/2016		<0.001			<0.001			
11/16/2016	<0.001		<0.001	<0.001		<0.001	<0.001	
11/17/2016								<0.001
2/20/2017		<0.001		<0.001	<0.001			
2/21/2017	<0.001		<0.001			<0.001	<0.001	<0.001
6/12/2017	<0.001	<0.001		<0.001	<0.001			
6/13/2017			<0.001			<0.001		<0.001
6/14/2017							<0.001	
9/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2018	<0.001	<0.001	<0.001	<0.001	<0.001			
2/14/2018						<0.001	<0.001	<0.001
6/26/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00015 (J)
7/31/2018						<0.001	<0.001	
12/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)
8/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/29/2019								<0.001
10/15/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/3/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/4/2020								<0.001
8/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/1/2021	<0.001				<0.001			
3/2/2021		<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
9/21/2021		<0.001		<0.001		<0.001	<0.001	
9/22/2021	<0.001		<0.001		<0.001			<0.001
2/1/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/23/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/24/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/22/2023	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
1/30/2024	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
8/27/2024	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
2/18/2025	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
8/26/2025	<0.001	<0.001	<0.001	<0.001	<0.001			
8/27/2025								<0.001

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	0.001 (J)	0.0028 (J)	0.0058 (J)	0.0034 (J)				
9/1/2016					0.0013 (J)	0.0009 (J)	0.0147	
9/6/2016								<0.01
11/15/2016		0.003 (J)					0.0154	
11/16/2016	<0.01		0.0051 (J)	0.0029 (J)	0.0012 (J)	0.0015 (J)		
11/17/2016								<0.01
2/20/2017		0.0047 (J)	0.0049 (J)				0.014	
2/21/2017	<0.01			0.0036 (J)	0.0017 (J)	0.001 (J)		<0.01
6/12/2017	0.0005 (J)	0.0041 (J)	0.0052 (J)				0.016	
6/13/2017				0.0038 (J)	0.0019 (J)			<0.01
6/14/2017						0.0012 (J)		
9/26/2017	0.0005 (J)	0.0037 (J)	0.0039 (J)	0.0045 (J)	0.0018 (J)	0.0014 (J)	0.0144	<0.01
2/13/2018	<0.01	<0.01	<0.01	<0.01			0.0144	
2/14/2018					<0.01	<0.01		<0.01
6/26/2018	<0.01	0.0043 (J)	0.0053 (J)	0.008 (J)	0.0022 (J)	<0.01	0.015	<0.01
12/18/2018	<0.01	0.0054 (J)	0.0032 (J)	0.012	0.0022 (J)	0.0016 (J)	0.015	<0.01
8/27/2019	0.0004 (J)	0.0043 (J)	0.0055 (J)	0.0083 (J)	0.0024 (J)	0.0023 (J)	0.015	
8/29/2019								0.0016 (J)
10/15/2019	<0.01	0.0055 (J)	0.0047 (J)	0.0083 (J)	0.0023 (J)	0.0021 (J)	0.014	0.0017 (J)
3/3/2020	0.00047 (J)	0.0057 (J)	0.0069 (J)	0.0098 (J)	0.0028 (J)	0.0026 (J)	0.011	
3/4/2020								0.0019 (J)
8/18/2020	0.00096 (J)	0.005 (J)	0.0069 (J)	0.0085 (J)	0.0029 (J)	0.0023 (J)	0.015	0.0017 (J)
9/15/2020	<0.01	0.0048 (J)	0.0069 (J)	0.0082 (J)	0.0025 (J)	0.00096 (J)	0.014	0.0019 (J)
3/1/2021	<0.01						0.011	
3/2/2021		0.0044 (J)	0.0064	0.0074	0.0021 (J)	0.002 (J)		0.002 (J)
9/21/2021		0.0044 (J)	0.0064		0.0024 (J)	0.0023 (J)		
9/22/2021	<0.01			0.0091			0.014	0.0026 (J)
2/1/2022	0.0013 (J)	0.0052	0.0066	0.0092	0.0029 (J)	0.0027 (J)	0.015	0.0028 (J)
8/23/2022	<0.01	0.00435 (J)	0.00647 (J)	0.00908 (J)	<0.01	<0.01	0.0143	<0.01
1/24/2023	<0.01	0.00572 (J)	0.00513 (J)	0.0095 (J)	<0.01	<0.01	0.0139	<0.01
8/22/2023	<0.01	0.00472 (J)	0.00701 (J)	0.00921 (J)			0.0132	<0.01
1/30/2024	0.00458 (J)	0.00582 (J)	0.00551 (J)	0.00854 (J)			0.0139	<0.01
8/27/2024	0.00445 (J)	0.00604 (J)	0.00521 (J)	0.00799 (J)			0.0124	<0.01
2/18/2025	<0.01	0.00705 (J)	0.00451 (J)	0.00765 (J)			0.0123	<0.01
8/26/2025	0.00517 (J)	0.008 (J)	0.00456 (J)	0.00823 (J)			0.013	
8/27/2025								<0.01

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWA-23S (bg)
8/31/2016	0.0016 (J)	0.0013 (J)	0.0034 (J)	<0.001				
9/1/2016					<0.001	<0.001	<0.001	
9/6/2016								0.0028 (J)
11/15/2016				<0.001	<0.001			
11/16/2016	0.0006 (J)	0.0012 (J)	0.003 (J)			<0.001	<0.001	
11/17/2016								0.0072 (J)
2/20/2017		0.0012 (J)		0.0009 (J)	<0.001			
2/21/2017	<0.001		0.0028 (J)			<0.001	<0.001	0.0045 (J)
6/12/2017	<0.001	0.0011 (J)		0.0006 (J)	0.0003 (J)			
6/13/2017			0.0025 (J)				<0.001	0.0036 (J)
6/14/2017						<0.001		
9/26/2017	<0.001	0.0016 (J)	0.002 (J)	0.0005 (J)	0.0003 (J)	<0.001	<0.001	0.0037 (J)
2/13/2018	<0.001	<0.01 (O)	<0.001	<0.001	<0.001			
2/14/2018						<0.001	<0.001	0.0135
6/26/2018	<0.001	0.0009 (J)	0.0019 (J)	0.00052 (J)	<0.001	<0.001	<0.001	0.0098 (J)
7/31/2018						<0.001	<0.001	
12/18/2018	<0.001	0.00062 (J)	0.0032 (J)	<0.001	<0.001	<0.001	<0.001	0.0057 (J)
8/27/2019	<0.001	0.00068 (J)	0.0012 (J)	0.00042 (J)	<0.001	<0.001	<0.001	
8/29/2019								0.0015 (J)
10/15/2019	<0.001	0.00083 (J)	0.00097 (J)	<0.001	<0.001	<0.001	<0.001	0.0011 (J)
3/3/2020	<0.001	0.00043 (J)	0.0015 (J)	<0.001	0.0011 (J)	<0.001	<0.001	
3/4/2020								0.0012 (J)
8/18/2020	<0.001	0.00048 (J)	0.0014 (J)	<0.001	0.00061 (J)	<0.001	<0.001	0.00067 (J)
9/15/2020	<0.001	0.0005 (J)	0.001 (J)	<0.001	<0.001	<0.001	<0.001	0.00076 (J)
3/1/2021	<0.001				<0.001			
3/2/2021		0.00053 (J)	0.001 (J)	<0.001		<0.001	<0.001	<0.001
9/21/2021		0.00071 (J)		<0.001		<0.001	<0.001	
9/22/2021	0.0015 (J)		<0.001		0.00078 (J)			<0.001
2/1/2022	0.00079 (J)	0.0007 (J)	0.0011 (J)	<0.001	<0.001	<0.001	<0.001	0.00052 (J)
8/23/2022	0.000767 (J)	0.000553 (J)	0.000844 (J)	<0.001	<0.001	<0.001	<0.001	0.000308 (J)
1/24/2023	0.00154	0.000677 (J)	0.000829 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
8/22/2023	0.000707 (J)	0.000474 (J)	0.000707 (J)	0.000327 (J)	<0.001			<0.001
1/30/2024	0.0014	0.000555 (J)	0.000962 (J)	<0.001	<0.001			<0.001
8/27/2024	0.00105	0.000396 (J)	0.000772 (J)	<0.001	<0.001			<0.001
2/18/2025	0.000715 (J)	<0.001	0.00111	<0.001	<0.001			<0.001
8/26/2025	0.00132	0.000853 (J)	0.000842 (J)	<0.001	0.000481 (J)			
8/27/2025								<0.001

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	1	0.428	0.566	0.62				
9/1/2016					0.643	1.18	0.603	
9/6/2016								0.585 (U)
11/15/2016		0.645					0.412	
11/16/2016	0.824 (U)		0.493 (U)	0.43 (U)	0.863 (U)	0.799 (U)		
11/17/2016								0.804 (U)
2/20/2017		1.36	0.534 (U)				0.633 (U)	
2/21/2017	1.01			0.96	0.318	1.75		0.595
6/12/2017	0.532 (U)	0.566 (U)	0.254 (U)				0.112 (U)	
6/13/2017				0.645 (U)	0.163 (U)			0.618 (U)
6/14/2017						2.66		
9/26/2017	0.845 (U)	0.762 (U)	0.62 (U)	0.299 (U)	0.56 (U)	0.841 (U)	0.167 (U)	1.26 (U)
2/13/2018	0.176 (U)	0.349 (U)	0.0914 (U)	1.01 (U)			0.347 (U)	
2/14/2018					0.537 (U)	1.13		1.2 (U)
6/26/2018	1.02 (U)	0.614 (U)	1.11 (U)	1.26	1.31	1.42	0.903 (U)	1.34 (U)
12/18/2018	0.487 (U)	0.445 (U)	0.42 (U)	0.44 (U)	1.31	0.855 (U)	0.353 (U)	1.13 (U)
8/27/2019	1.11	1.44	1.19	1.47	1.32	1.31	0.65 (U)	
8/29/2019								1.45 (U)
10/15/2019	1.02 (U)	0.467 (U)	0.714 (U)	0.807 (U)	1.05 (U)	1.13 (U)	0.402 (U)	1.69
3/3/2020	1.18 (U)	1.5	0.996 (U)	0.818 (U)	1.68	1.29 (U)	0.397 (U)	
3/4/2020								1.45
8/18/2020	0.0861 (U)	0.581 (U)	0.53 (U)	1.22 (U)	0.969 (U)	0.988 (U)	0.453 (U)	0.784 (U)
9/15/2020	0.0583 (U)	0.55 (U)	0.215 (U)	0.579 (U)	0.359 (U)	0.762 (U)	0.474 (U)	1.04 (U)
3/1/2021	0.127 (U)						0.215 (U)	
3/2/2021		0.362 (U)	0.409 (U)	0.342 (U)	0.925	0.901		1.12
9/21/2021		0.86 (U)	0.182 (U)		0.468 (U)	1.33		
9/22/2021	0.349 (U)			1.33 (U)			0.943 (U)	1.4
2/1/2022	0.233 (U)	0.23 (U)	1.23	0.251 (U)	0.659 (U)	0.833 (U)	0.349 (U)	1.15
8/23/2022	1.7 (U)	0.735 (U)	2.3	0.531 (U)	1.69 (U)	0.558 (U)	0.203 (U)	1.59 (U)
1/24/2023	2.05 (U)	0.402 (U)	0.811 (U)	1.35 (U)	3.07	1.49 (U)	1.55 (U)	5.62
8/22/2023	0.857 (U)	1.31 (U)	1.36	0.592 (U)			1.89 (U)	2.16
1/30/2024	1.25	0 (U)	1.48 (U)	2.54			1.29	0.605 (U)
8/27/2024	0.864 (U)	0.236 (U)	3.62	1.4 (U)			1.64	2.43
2/18/2025	1.02 (U)	1.3 (U)	0.475 (U)	0.747 (U)			2.33	2.42 (U)
8/26/2025	5.9	3.65	2.27	2.04 (U)			2.13	
8/27/2025								3.86

Tolerance Limit

Constituent: Fluoride (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-23S (bg)
8/31/2016	0.11 (J)	0.07 (J)	0.05 (J)	0.19 (J)				
9/1/2016					0.06 (J)	0.05 (J)	0.2 (J)	
9/6/2016								0.42
11/15/2016				0.08 (J)	0.04 (J)			
11/16/2016	0.05 (J)	0.03 (J)	0.04 (J)			0.03 (J)	0.14 (J)	
11/17/2016								0.15 (J)
2/20/2017		0.06 (J)		0.08 (J)	0.04 (J)			
2/21/2017	0.14 (J)		0.05 (J)			0.04 (J)	0.16 (J)	0.1 (J)
6/12/2017	0.16 (J)	0.008 (J)		0.07 (J)	0.06 (J)			
6/13/2017			0.04 (J)			0.008 (J)		0.07 (J)
6/14/2017							0.09 (J)	
9/26/2017	0.14 (J)	<0.1	<0.1	0.04 (J)	<0.1	<0.1	0.1 (J)	<0.1
2/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1			
2/14/2018						<0.1	<0.1	<0.1
6/26/2018	0.085 (J)	0.045 (J)	0.048 (J)	0.072 (J)	0.041 (J)	0.042 (J)	0.079 (J)	0.053 (J)
12/18/2018	0.085 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3/19/2019	0.066 (J)	<0.1	0.037 (J)	0.06 (J)	0.03 (J)	<0.1	<0.1	<0.1
8/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
8/29/2019								0.084 (J)
10/15/2019	<0.1	<0.1	<0.1	0.045 (J)	<0.1	<0.1	0.047 (J)	<0.1
3/3/2020	0.066 (J)	<0.1	0.05 (J)	0.057 (J)	0.09 (J)	<0.1	0.056 (J)	
3/4/2020								<0.1
8/18/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.052 (J)	<0.1
9/15/2020	<0.1	<0.1	<0.1	0.051 (J)	<0.1	<0.1	0.062 (J)	<0.1
3/1/2021	<0.1				<0.1			
3/2/2021		<0.1	<0.1	<0.1		<0.1	0.061 (J)	<0.1
9/21/2021		<0.1		0.056 (J)		<0.1	0.071 (J)	
9/22/2021	<0.1		<0.1		<0.1			0.069 (J)
2/1/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.055 (J)	<0.1
8/23/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.129	0.151	0.157
1/24/2023	<0.1	0.149	<0.1	0.158	0.12	0.0926 (J)	0.214	0.231
8/22/2023	0.267	0.289	0.229	0.277	0.0787 (J)			0.114
1/30/2024	<0.1	0.232	0.184	0.233	0.0341 (J)			0.275
8/27/2024	0.0342 (J)	0.0365 (J)	0.0426 (J)	0.0516 (J)	0.0334 (J)			0.204
2/18/2025	0.0566 (J)	0.0553 (J)	0.0709 (J)	0.0749 (J)	0.0527 (J)			0.0974 (J)
8/26/2025	0.0368 (J)	<0.1	0.0487 (J)	0.0557 (J)	0.0343 (J)			
8/27/2025								0.0836 (J)

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	<0.002	<0.002	<0.002	<0.002				
9/1/2016					<0.002	<0.002	0.0001 (J)	
9/6/2016								<0.002
11/15/2016		<0.002					<0.002	
11/16/2016	<0.002		<0.002	<0.002	<0.002	<0.002		
11/17/2016								<0.002
2/20/2017		0.0002 (J)	<0.002				<0.002	
2/21/2017	<0.002			<0.002	<0.002	<0.002		<0.002
6/12/2017	8E-05 (J)	0.0001 (J)	<0.002				8E-05 (J)	
6/13/2017				<0.002	<0.002			<0.002
6/14/2017						<0.002		
9/26/2017	7E-05 (J)	0.0001 (J)	<0.002	7E-05 (J)	<0.002	<0.002	<0.002	<0.002
2/13/2018	<0.002	<0.002	<0.002	<0.002			<0.002	
2/14/2018					<0.002	<0.002		<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/27/2019	<0.002	0.00036 (J)	<0.002	5.8E-05 (J)	<0.002	<0.002	<0.002	
8/29/2019								7E-05 (J)
10/15/2019	<0.002	7.9E-05 (J)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/3/2020	<0.002	7.9E-05 (J)	<0.002	<0.002	<0.002	<0.002	7.3E-05 (J)	
3/4/2020								<0.002
8/18/2020	<0.002	0.0001 (J)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	4.3E-05 (J)	0.0013 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
3/1/2021	<0.002						<0.002	
3/2/2021		<0.002	3.7E-05 (J)	<0.002	<0.002	<0.002		<0.002
9/21/2021		<0.002	<0.002		<0.002	<0.002		
9/22/2021	<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	<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
1/30/2024	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
8/27/2024	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
2/18/2025	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
8/26/2025	<0.002	<0.002	<0.002	<0.002			<0.002	
8/27/2025								<0.002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lithium (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	0.0268 (J)	<0.01	<0.01	<0.01				
9/1/2016					<0.01	0.0061 (J)	0.003 (J)	
9/6/2016								0.0028 (J)
11/15/2016		<0.01					0.0033 (J)	
11/16/2016	0.0201 (J)		0.0033 (J)	<0.01	<0.01	0.0054 (J)		
11/17/2016								0.0063 (J)
2/20/2017		<0.01	<0.01				0.0025 (J)	
2/21/2017	0.0128 (J)			<0.01	<0.01	0.0058 (J)		0.0052 (J)
6/12/2017	0.0245 (J)	<0.01	0.0019 (J)				0.0027 (J)	
6/13/2017				<0.01	<0.01			0.0061 (J)
6/14/2017						0.0054 (J)		
9/26/2017	0.0549	<0.01	0.0022 (J)	<0.01	<0.01	0.0037 (J)	0.0023 (J)	0.0087 (J)
2/13/2018	0.0595	<0.01	0.0041 (J)	<0.01			0.0027 (J)	
2/14/2018					<0.01	0.0038 (J)		0.0104 (J)
6/26/2018	0.089	<0.01	0.0025 (J)	<0.01	<0.01	0.0045 (J)	0.0029 (J)	0.0095 (J)
12/18/2018	0.024 (J)	<0.01	0.0032 (J)	<0.01	<0.01	0.0038 (J)	0.0026 (J)	0.0091 (J)
8/27/2019	0.035 (J)	<0.01	0.0019 (J)	<0.01	<0.01	0.0039 (J)	0.0028 (J)	
8/29/2019								0.007 (J)
10/15/2019	0.028 (J)	<0.01	0.002 (J)	<0.01	<0.01	0.0037 (J)	0.0024 (J)	0.0069 (J)
3/3/2020	0.055	<0.01	0.0013 (J)	<0.01	<0.01	0.0033 (J)	0.0026 (J)	
3/4/2020								0.0074 (J)
8/18/2020	0.054	<0.01	0.00095 (J)	<0.01	<0.01	0.0039 (J)	0.0026 (J)	0.0099 (J)
9/15/2020	0.033	<0.01	0.001 (J)	<0.01	<0.01	0.0037 (J)	0.0027 (J)	0.011 (J)
3/1/2021	0.027 (J)						0.0036 (J)	
3/2/2021		<0.01	0.00081 (J)	<0.01	<0.01	0.0045 (J)		0.0093 (J)
9/21/2021		<0.01	0.0012 (J)		<0.01	0.0037 (J)		
9/22/2021	0.021 (J)			<0.01			0.0035 (J)	0.0074 (J)
2/1/2022	0.023 (J)	<0.01	0.0011 (J)	<0.01	<0.01	0.0037 (J)	0.0029 (J)	0.008 (J)
8/23/2022	0.0262	<0.01	<0.01	<0.01	<0.01	0.00451 (J)	0.00314 (J)	0.00792 (J)
1/24/2023	0.00919 (J)	<0.01	<0.01	<0.01	<0.01	0.00529 (J)	0.00341 (J)	0.00749 (J)
8/22/2023	0.0209	<0.01	<0.01	<0.01			<0.01	0.00596 (J)
1/30/2024	0.00407 (J)	<0.01	<0.01	<0.01			0.00317 (J)	0.00729 (J)
8/27/2024	0.00584 (J)	<0.01	0.00337 (J)	<0.01			0.00322 (J)	0.00687 (J)
2/18/2025	0.00603 (J)	<0.01	<0.01	<0.01			<0.01	0.00934 (J)
8/26/2025	0.00708 (J)	<0.01	0.0069 (J)	<0.01			0.00358 (J)	
8/27/2025								0.0102

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Mercury (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-12S (bg)	BRGWA-23S (bg)
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002				
9/1/2016					<0.0002	<0.0002	<0.0002	
9/6/2016								<0.0002
11/15/2016		<0.0002				<0.0002		
11/16/2016	<0.0002		<0.0002	<0.0002	<0.0002		<0.0002	
11/17/2016								<0.0002
2/20/2017		8E-05 (J)	<0.0002			<0.0002		
2/21/2017	<0.0002			<0.0002	<0.0002		<0.0002	<0.0002
6/12/2017	4E-05 (J)	<0.0002	<0.0002			<0.0002		
6/13/2017				<0.0002			<0.0002	<0.0002
6/14/2017					6E-05 (J)			
9/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2018	0.00021	0.00013 (J)	<0.0002	0.00019 (J)		<0.0002		
2/14/2018					5.2E-05 (J)		<0.0002	<0.0002
6/26/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
12/18/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
8/29/2019								<0.0002
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/15/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/1/2021	<0.0002					<0.0002		
3/2/2021		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
9/21/2021		0.0001 (J)	0.0001 (J)		0.0001 (J)		0.0001 (J)	
9/22/2021	0.0001 (J)			0.0001 (J)		0.0001 (J)		0.0001 (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	<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
1/30/2024	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		<0.0002
8/27/2024	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		<0.0002
2/18/2025	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		<0.0002
8/26/2025	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		
8/27/2025								<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Molybdenum (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12I (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	0.0021 (J)	<0.001	0.004 (J)	<0.001				
9/1/2016					0.002 (J)	<0.001	<0.001	
9/6/2016								0.0028 (J)
11/15/2016		<0.001					<0.001	
11/16/2016	<0.001		0.0038 (J)	<0.001	<0.001	<0.001		
11/17/2016								<0.001
2/20/2017		<0.001	0.0055 (J)				<0.001	
2/21/2017	0.0021 (J)			<0.001	<0.001	<0.001		<0.001
6/12/2017	0.0021 (J)	<0.001	0.005 (J)				<0.001	
6/13/2017				<0.001		<0.001		<0.001
6/14/2017					<0.001			
9/26/2017	0.0011 (J)	<0.001	0.0053 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2018	0.0019 (J)	<0.001	0.008 (J)	<0.001			<0.001	
2/14/2018					<0.001	<0.001		<0.001
6/26/2018	<0.001	<0.001	0.0041 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
12/18/2018	<0.001	<0.001	0.0048 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
8/27/2019	<0.001	<0.001	0.0028 (J)	<0.001	<0.001	<0.001	<0.001	
8/29/2019								<0.001
10/15/2019	<0.001	<0.001	0.0035 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/3/2020	<0.001	<0.001	0.0023 (J)	<0.001			<0.001	
8/18/2020	0.0011 (J)	<0.001	0.0015 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	0.0007 (J)	<0.001	0.0015 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/1/2021	<0.001						<0.001	
3/2/2021		<0.001	0.0015 (J)	<0.001	<0.001	<0.001		<0.001
9/21/2021		<0.001	0.002 (J)		<0.001	<0.001		
9/22/2021	0.0012 (J)			<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	0.000413 (J)	<0.001	<0.001	<0.001
1/24/2023	0.000601 (J)	<0.001	0.00192	<0.001	0.000388 (J)	<0.001	<0.001	<0.001
8/22/2023	0.00169	<0.001	0.000953 (J)	<0.001			<0.001	<0.001
1/30/2024	0.000362 (J)	<0.001	0.00143	<0.001			<0.001	0.000217 (J)
8/27/2024	0.000313 (J)	<0.001	0.00134	<0.001			<0.001	0.000225 (J)
2/18/2025	0.000375 (J)	<0.001	0.00141	<0.001			<0.001	0.000273 (J)
8/26/2025	0.000324 (J)	<0.001	0.00106	<0.001			<0.001	
8/27/2025								0.000415 (J)

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	<0.005	<0.005	<0.005	<0.005				
9/1/2016					<0.005	<0.005	<0.005	
9/6/2016								<0.005
11/15/2016		<0.005					<0.005	
11/16/2016	<0.005		<0.005	<0.005	<0.005	<0.005		
11/17/2016								0.0052 (J)
2/20/2017		<0.005	<0.005				<0.005	
2/21/2017	<0.005			<0.005	<0.005	<0.005		0.0018 (J)
6/12/2017	<0.005	<0.005	<0.005				<0.005	
6/13/2017				<0.005	<0.005			<0.005
6/14/2017						<0.005		
9/26/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2018	<0.005	<0.005	<0.005	<0.005			<0.005	
2/14/2018					<0.005	<0.005		<0.005
6/26/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0036 (J)
12/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0044 (J)
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2019								0.0023 (J)
10/15/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0022 (J)
3/3/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2020								0.0019 (J)
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0033 (J)
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0028 (J)
3/1/2021	<0.005						<0.005	
3/2/2021		<0.005	<0.005	<0.005	<0.005	<0.005		0.006
9/21/2021		<0.005	<0.005		<0.005	<0.005		
9/22/2021	<0.005			<0.005			<0.005	0.0016 (J)
2/1/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.002 (J)
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
1/30/2024	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
8/27/2024	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
2/18/2025	<0.005	<0.005	<0.005	<0.005			<0.005	0.0024 (J)
8/26/2025	<0.005	<0.005	<0.005	<0.005			<0.005	
8/27/2025								<0.005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 10/27/2025 1:51 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWA-23S (bg)
8/31/2016	<0.002	<0.002	<0.002	<0.002				
9/1/2016					<0.002	<0.002	<0.002	
9/6/2016								<0.002
11/15/2016		<0.002					<0.002	
11/16/2016	<0.002		<0.002	<0.002	<0.002	<0.002		
11/17/2016								<0.002
2/20/2017		<0.002	<0.002				<0.002	
2/21/2017	<0.002			<0.002	<0.002	<0.002		<0.002
6/12/2017	<0.002	<0.002	<0.002				<0.002	
6/13/2017				<0.002	<0.002			<0.002
6/14/2017						<0.002		
9/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2018	<0.002	<0.002	<0.002	<0.002			<0.002	
2/14/2018					<0.002	<0.002		<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
8/29/2019								<0.002
10/15/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/3/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
3/4/2020								<0.002
8/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/1/2021	<0.002						<0.002	
3/2/2021		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
9/21/2021		<0.002	<0.002		<0.002	<0.002		
9/22/2021	<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	<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
1/30/2024	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
8/27/2024	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
2/18/2025	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
8/26/2025	<0.002	<0.002	<0.002	<0.002			<0.002	
8/27/2025								<0.002

ND substitution: RL or RL/2 if <15% NDs.

FIGURE G.

PLANT BRANCH POND BCD GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.025	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.13	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	0.014	0.014
Combined Radium, Total (pCi/L)	5		2.66	5
Fluoride, Total (mg/L)	4		0.42	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		0.006	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*

***MCL used in lieu of Background limit for Antimony*

FIGURE H.

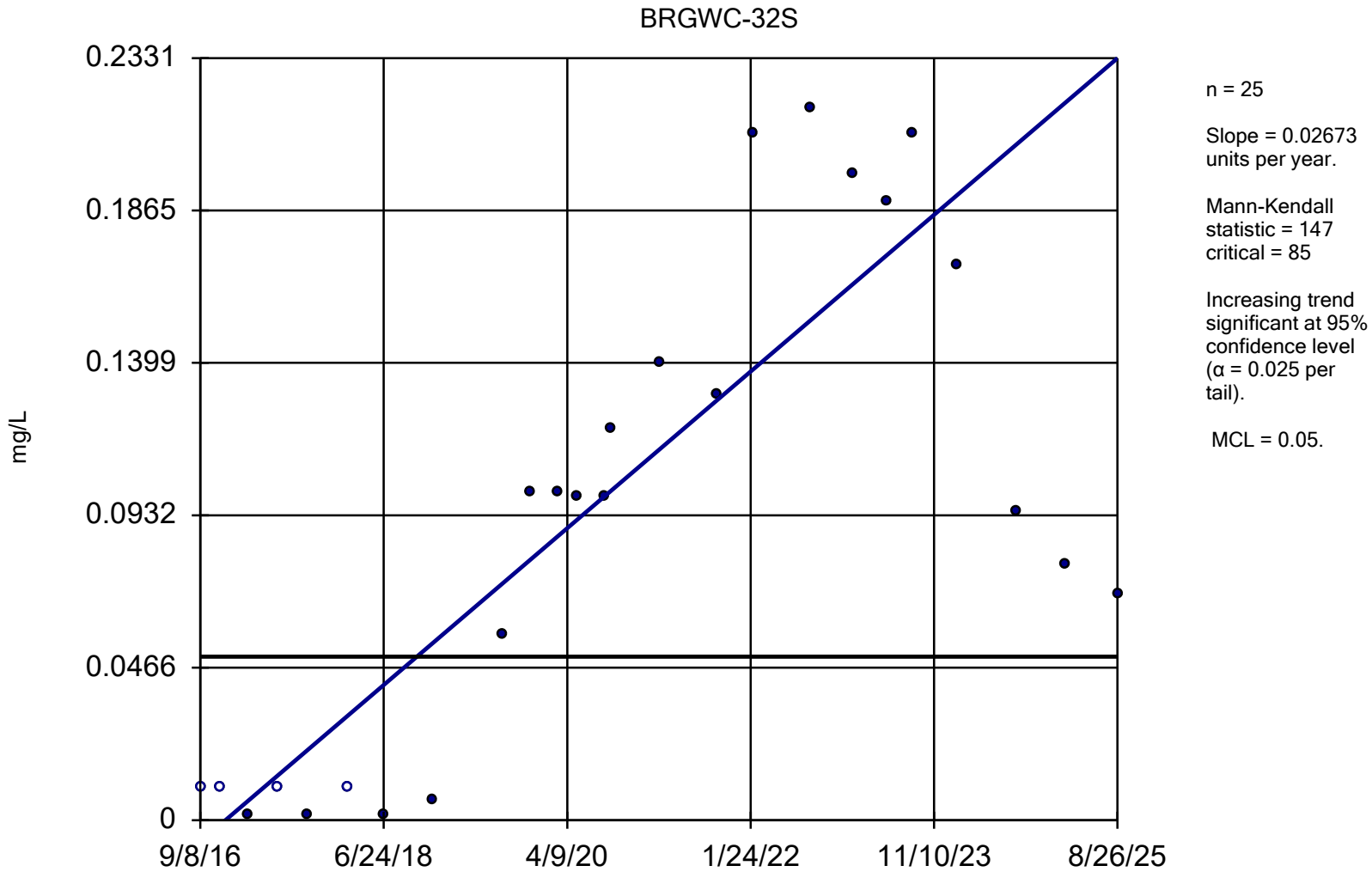
Selenium BRGWC-32S Trend Test - All/Significant Result

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	**BRGWC-32S**	**0.02673**	**147**	**85**	**Yes**	**25**	**16**	**n/a**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator



Constituent: Selenium Analysis Run 10/23/2025 2:34 PM View: Selenium Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

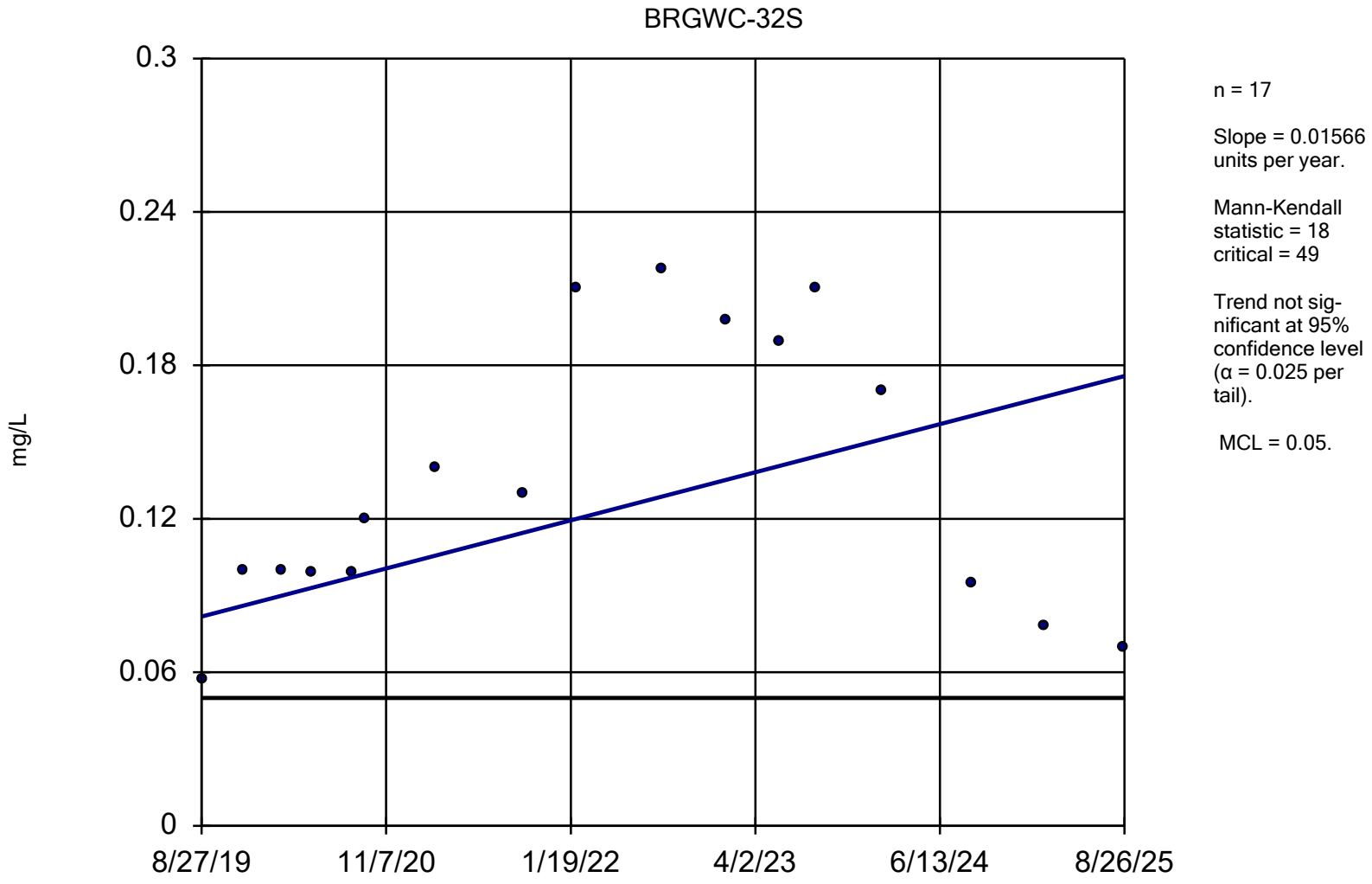
Selenium BRGWC-32S Trend Test Truncated Records - All Result (No Significant)

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:36 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	BRGWC-32S	0.01566	18	49	No	17	0	n/a	n/a	0.05	NP

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Sen's Slope Estimator



Constituent: Selenium Analysis Run 10/23/2025 2:35 PM View: Selenium Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE I.

Confidence Interval Summary Table - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**PZ-63I**	**0.03871**	**0.02266**	**0.014**	**Yes**	**8**	**0.007571**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**BRGWC-32S**	**0.1681**	**0.1003**	**0.05**	**Yes**	**17**	**0.05409**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**PZ-75I**	**0.1325**	**0.0656**	**0.05**	**Yes**	**6**	**0.02434**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BRGWC-29I	0.003	0.0007	0.006	No	23	0.0004796	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-30I	0.003	0.0013	0.006	No	23	0.0003545	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-32S	0.003	0.0014	0.006	No	23	0.0003336	95.65	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-45	0.003	0.0024	0.006	No	24	0.000806	70.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-47	0.003	0.00035	0.006	No	24	0.0005409	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-52I	0.003	0.00091	0.006	No	23	0.0007856	86.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-68D	0.003	0.00176	0.006	No	6	0.0005062	83.33	None	No	0.0155	NP (NDs)
Arsenic (mg/L)	BRGWC-25I	0.005	0.00091	0.01	No	23	0.001672	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-27I	0.005	0.0014	0.01	No	23	0.001544	82.61	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-29I	0.005	0.0019	0.01	No	23	0.001805	65.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-30I	0.005	0.00408	0.01	No	23	0.001467	73.91	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-32S	0.005	0.00053	0.01	No	23	0.0009321	95.65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-44	0.005	0.00221	0.01	No	11	0.001431	72.73	None	No	0.006	NP (NDs)
Arsenic (mg/L)	BRGWC-45	0.005	0.0018	0.01	No	24	0.001795	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-47	0.005	0.0018	0.01	No	24	0.001748	37.5	None	No	0.01	NP (normality)
Arsenic (mg/L)	BRGWC-52I	0.005	0.0031	0.01	No	23	0.001393	56.52	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-68D	0.005028	0.001513	0.01	No	6	0.00136	50	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	BRGWC-25I	0.03281	0.02675	2	No	23	0.006202	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BRGWC-27I	0.017	0.015	2	No	23	0.00245	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-29I	0.01867	0.01691	2	No	23	0.001682	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-30I	0.03183	0.02489	2	No	23	0.006635	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-32S	0.03696	0.02409	2	No	23	0.01231	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-44	0.05451	0.04929	2	No	11	0.003127	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-45	0.08709	0.06888	2	No	24	0.01785	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-47	0.03887	0.03135	2	No	24	0.007374	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-52I	0.03147	0.01948	2	No	23	0.01147	0	None	No	0.01	Param.
Barium (mg/L)	PZ-63I	0.037	0.0202	2	No	8	0.005522	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-68D	0.1335	0.06937	2	No	6	0.02335	0	None	No	0.01	Param.
Barium (mg/L)	PZ-74I	0.0586	0.0222	2	No	6	0.01396	0	None	No	0.0155	NP (normality)
Barium (mg/L)	PZ-75I	0.05297	0.02223	2	No	5	0.009171	0	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-27I	0.0005	0.00012	0.004	No	24	0.0001838	37.5	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-29I	0.001085	0.0008511	0.004	No	23	0.0002237	4.348	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-45	0.0005	0.000079	0.004	No	25	0.0001212	92	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BRGWC-47	0.0005	0.00006	0.004	No	24	0.0001696	83.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	PZ-63I	0.0005	0.000286	0.004	No	8	0.00007566	87.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	BRGWC-27I	0.001	0.00009	0.005	No	24	0.0002598	91.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-30I	0.001	0.00014	0.005	No	24	0.0002514	91.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-32S	0.001	0.00012	0.005	No	24	0.0003417	83.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-45	0.001	0.00029	0.005	No	25	0.0003414	80	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-47	0.001	0.00018	0.005	No	24	0.0004172	58.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-25I	0.01	0.0016	0.1	No	23	0.002511	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-27I	0.01	0.003	0.1	No	23	0.002324	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-29I	0.02	0.01	0.1	No	23	0.002085	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-30I	0.014	0.0051	0.1	No	23	0.001348	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-32S	0.01	0.0019	0.1	No	23	0.004254	52.17	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-45	0.01	0.0014	0.1	No	24	0.003051	87.5	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-47	0.01	0.0018	0.1	No	24	0.003418	83.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-52I	0.01	0.0017	0.1	No	23	0.001731	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-25I	0.005525	0.003461	0.014	No	23	0.002117	4.348	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-27I	0.009464	0.006401	0.014	No	24	0.003001	0	None	No	0.01	Param.
Cobalt (mg/L)	BRGWC-29I	0.008992	0.00667	0.014	No	23	0.002364	4.348	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-30I	0.00179	0.001	0.014	No	24	0.006328	12.5	None	No	0.01	NP (normality)
Cobalt (mg/L)	BRGWC-32S	0.0025	0.001	0.014	No	24	0.0003062	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-44	0.001	0.001	0.014	No	11	0.0001785	90.91	None	No	0.006	NP (NDs)
Cobalt (mg/L)	BRGWC-45	0.00998	0.003927	0.014	No	25	0.01331	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-47	0.0009719	0.0004193	0.014	No	24	0.001517	41.67	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-52I	0.0012	0.00063	0.014	No	23	0.0008797	60.87	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**PZ-63I**	**0.03871**	**0.02266**	**0.014**	**Yes**	**8**	**0.007571**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	PZ-68D	0.001037	0.0004021	0.014	No	6	0.000231	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-74I	0.001753	0.0004311	0.014	No	6	0.000711	50	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-75I	0.00105	0.000519	0.014	No	5	0.0002218	60	Kaplan-Meier	No	0.031	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BRGWC-25I	2.223	0.8436	5	No	23	1.563	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-27I	1.695	0.7958	5	No	23	0.9629	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-29I	2.264	1.277	5	No	23	1.109	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-30I	2.098	0.8597	5	No	23	1.426	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-32S	1.481	0.6519	5	No	23	0.7929	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-44	2.651	0.4419	5	No	11	1.507	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-45	1.187	0.4907	5	No	24	0.8227	0	None	sqrt(x)	0.01	Param.

Confidence Interval Summary Table - All Results

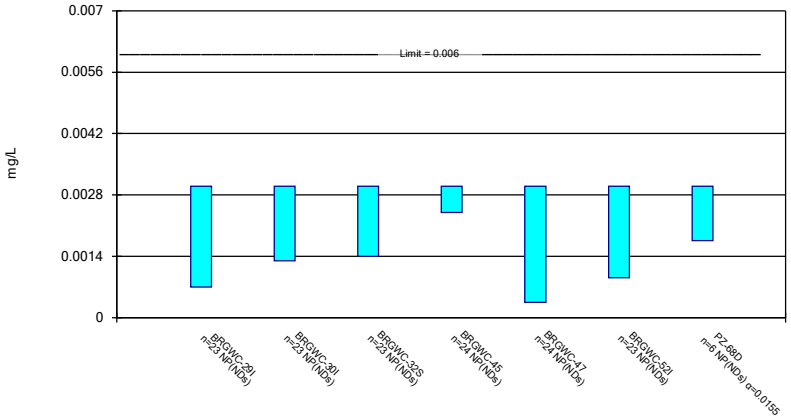
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/23/2025, 2:30 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BRGWC-47	2.136	1.049	5	No	24	1.065	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-52I	4.558	1.808	5	No	23	3.343	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-63I	4.61	0.8242	5	No	8	1.786	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-68D	5.025	1.124	5	No	6	1.55	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-74I	5.002	0.3135	5	No	6	2.823	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-75I	3.43	1.502	5	No	5	0.5752	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-25I	0.2477	0.1582	4	No	24	0.116	4.167	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-27I	0.2637	0.1774	4	No	25	0.08661	8	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-29I	0.1788	0.09812	4	No	24	0.11	8.333	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-30I	0.3028	0.148	4	No	24	0.1895	4.167	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-32S	0.1021	0.06312	4	No	25	0.04306	44	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BRGWC-44	0.1937	0.1003	4	No	11	0.08162	18.18	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BRGWC-45	0.142	0.078	4	No	25	0.2025	40	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-47	0.243	0.189	4	No	25	0.2367	44	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-52I	0.2121	0.1361	4	No	23	0.07265	4.348	None	No	0.01	Param.
Fluoride (mg/L)	PZ-63I	0.264	0.141	4	No	8	0.05799	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-68D	0.2227	0.1006	4	No	6	0.04446	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-74I	0.2155	0.05613	4	No	6	0.05801	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-75I	0.1705	0.06252	4	No	6	0.03932	0	None	No	0.01	Param.
Lead (mg/L)	BRGWC-25I	0.002	0.00011	0.015	No	23	0.0003941	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-27I	0.002	0.000063	0.015	No	23	0.0004039	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-29I	0.002	0.00032	0.015	No	22	0.0008215	40.91	None	No	0.01	NP (normality)
Lead (mg/L)	BRGWC-30I	0.002	0.00011	0.015	No	23	0.0003941	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-45	0.002	0.000595	0.015	No	24	0.0006601	83.33	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-47	0.002	0.00012	0.015	No	24	0.0006494	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-52I	0.002	0.000042	0.015	No	23	0.0004083	95.65	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-68D	0.002	0.000504	0.015	No	6	0.0006107	83.33	None	No	0.0155	NP (NDs)
Lithium (mg/L)	BRGWC-27I	0.01	0.0014	0.089	No	23	0.004254	39.13	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-29I	0.003758	0.003124	0.089	No	23	0.0006331	8.696	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BRGWC-30I	0.02189	0.0144	0.089	No	23	0.007431	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BRGWC-32S	0.00514	0.0021	0.089	No	23	0.006453	8.696	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-44	0.00728	0.0048	0.089	No	11	0.003032	0	None	No	0.006	NP (normality)
Lithium (mg/L)	BRGWC-45	0.0043	0.003	0.089	No	23	0.003077	26.09	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-47	0.0456	0.04178	0.089	No	24	0.00374	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-52I	0.01044	0.004783	0.089	No	23	0.006088	4.348	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-63I	0.006973	0.00538	0.089	No	8	0.0007896	0	None	x^3	0.01	Param.
Lithium (mg/L)	PZ-68D	0.008302	0.00347	0.089	No	6	0.002432	16.67	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	PZ-74I	0.00825	0.00692	0.089	No	6	0.0005119	0	None	No	0.0155	NP (normality)
Lithium (mg/L)	PZ-75I	0.005788	0.002816	0.089	No	5	0.0008866	0	None	No	0.01	Param.
Mercury (mg/L)	BRGWC-25I	0.0002	0.000083	0.002	No	21	0.00004221	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-27I	0.0002	0.00005	0.002	No	21	0.00004557	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-29I	0.000384	0.000098	0.002	No	21	0.0001443	76.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-30I	0.0002	0.000082	0.002	No	21	0.00004924	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-32S	0.0002	0.0001	0.002	No	21	0.00003931	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-74I	0.0002	0.000121	0.002	No	6	0.00003225	83.33	None	No	0.0155	NP (NDs)
Molybdenum (mg/L)	BRGWC-25I	0.01	0.001	0.1	No	22	0.004554	45.45	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-27I	0.001	0.000512	0.1	No	22	0.0002475	86.36	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-30I	0.01	0.00123	0.1	No	22	0.004465	50	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-45	0.001	0.00076	0.1	No	23	0.0002755	73.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-47	0.01	0.000296	0.1	No	23	0.004575	69.57	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-52I	0.01	0.000782	0.1	No	22	0.004156	31.82	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-63I	0.0008681	0.0006317	0.1	No	8	0.0001115	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-68D	0.009707	0.004598	0.1	No	6	0.002153	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	PZ-74I	0.00276	0.000597	0.1	No	6	0.0007685	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BRGWC-25I	0.005	0.00217	0.05	No	23	0.0008255	91.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-27I	0.005	0.00309	0.05	No	23	0.001209	43.48	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-29I	0.005	0.0045	0.05	No	23	0.00127	52.17	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-30I	0.005	0.0045	0.05	No	23	0.0008216	78.26	None	No	0.01	NP (NDs)
Selenium (mg/L)	**BRGWC-32S**	**0.1681**	**0.1003**	**0.05**	**Yes**	**17**	**0.05409**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	BRGWC-44	0.005	0.005	0.05	No	11	0.0008985	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BRGWC-45	0.005	0.0029	0.05	No	24	0.0006723	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-47	0.005	0.0024	0.05	No	24	0.00148	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-52I	0.005	0.00198	0.05	No	23	0.0006297	95.65	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-63I	0.005	0.00262	0.05	No	8	0.0008415	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-68D	0.005	0.00205	0.05	No	6	0.001204	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	PZ-74I	0.07383	0.02831	0.05	No	6	0.01657	0	None	No	0.01	Param.
Selenium (mg/L)	**PZ-75I**	**0.1325**	**0.0656**	**0.05**	**Yes**	**6**	**0.02434**	**0**	**None**	**No**	**0.01**	**Param.**
Thallium (mg/L)	BRGWC-29I	0.002	0.00017	0.002	No	23	0.0009234	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 except as noted.

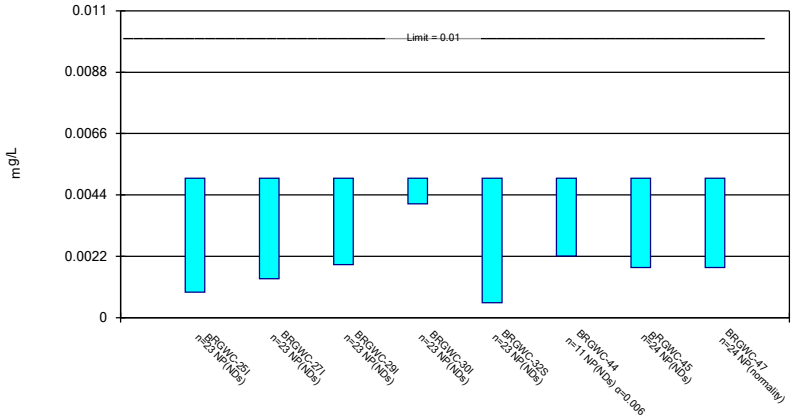


Constituent: Antimony Analysis Run 10/23/2025 2:26 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

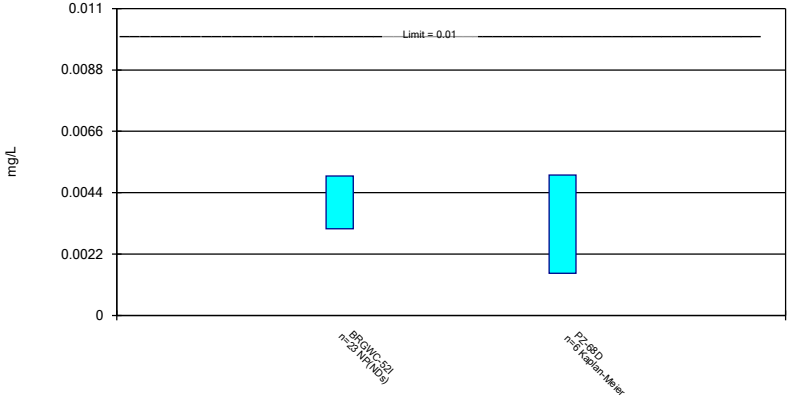


Constituent: Arsenic Analysis Run 10/23/2025 2:26 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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.

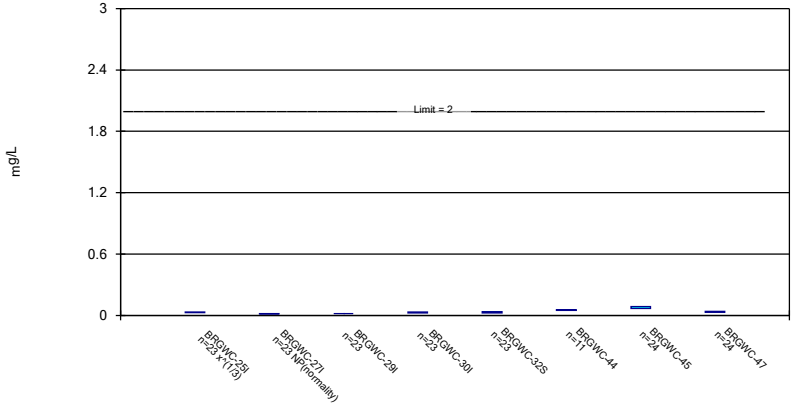


Constituent: Arsenic Analysis Run 10/23/2025 2:26 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Parametric and Non-Parametric (NP) Confidence Interval

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

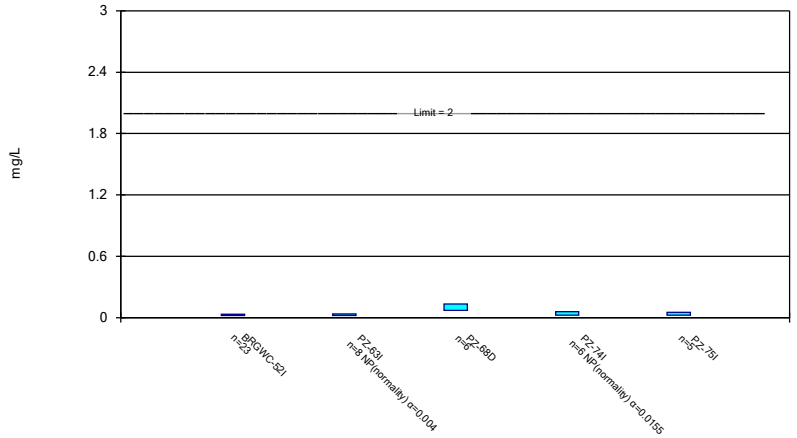


Constituent: Barium Analysis Run 10/23/2025 2:26 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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.

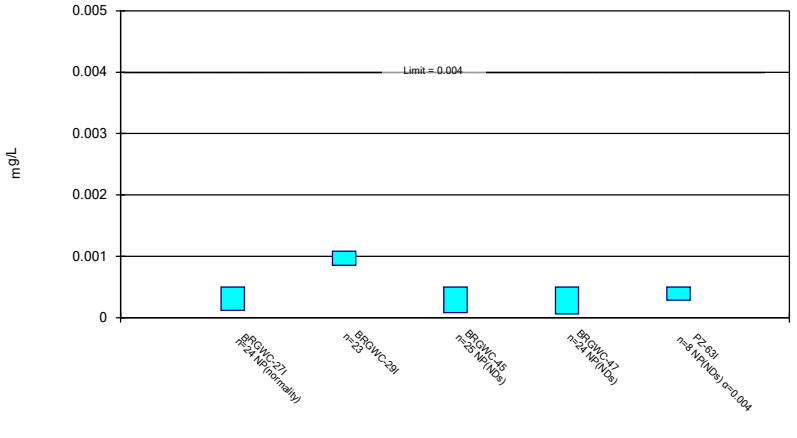


Constituent: Barium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
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Parametric and Non-Parametric (NP) Confidence Interval

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

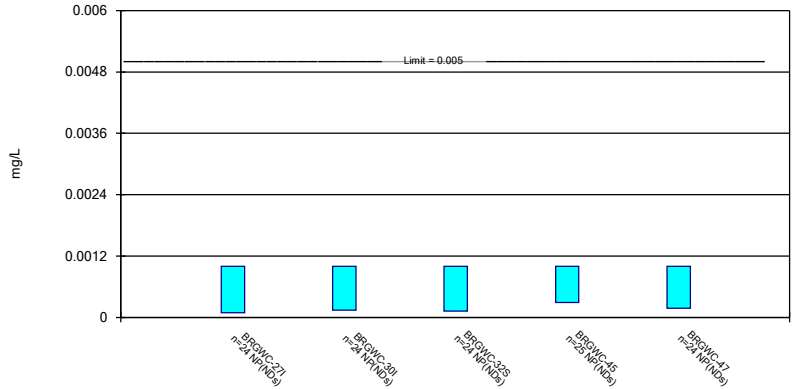


Constituent: Beryllium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

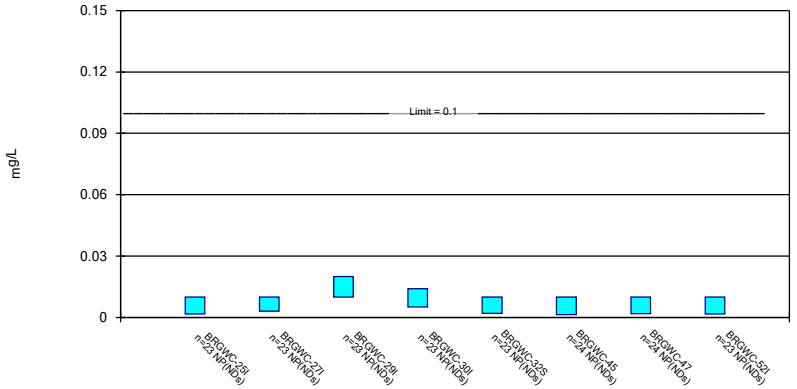


Constituent: Cadmium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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.

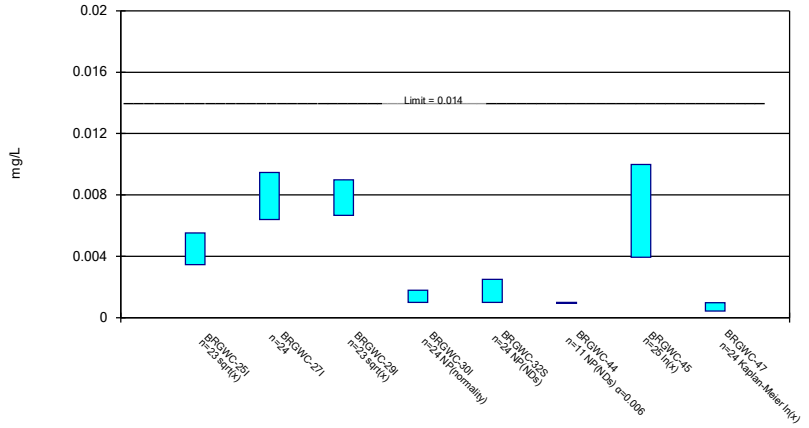


Constituent: Chromium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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.

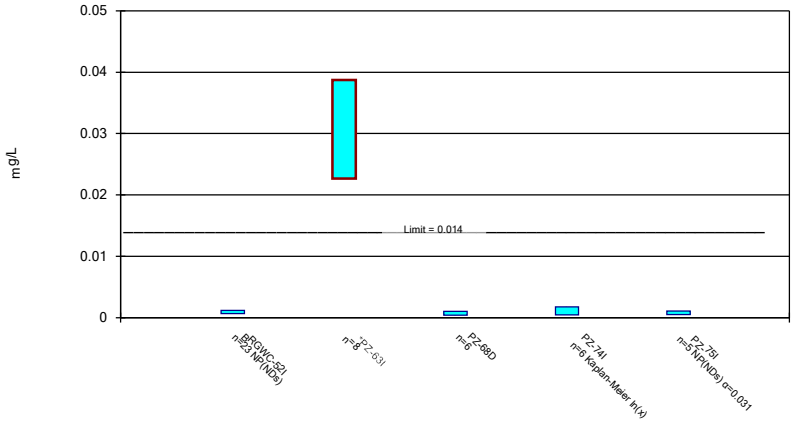


Constituent: Cobalt Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

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.

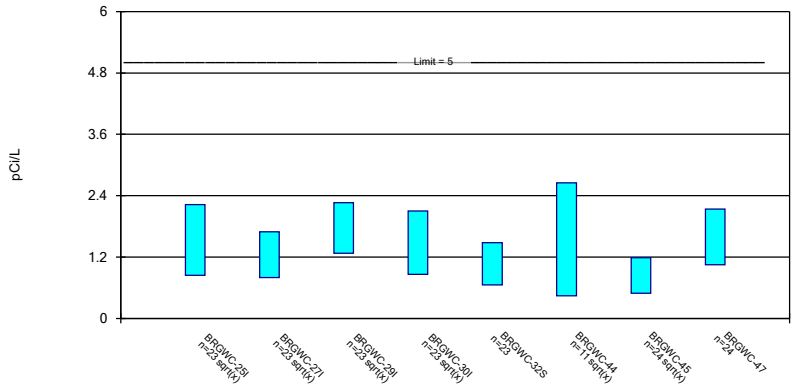


Constituent: Cobalt Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

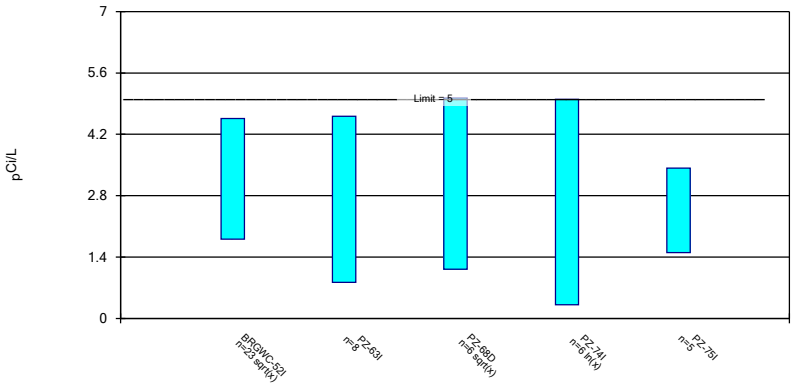


Constituent: Combined Radium 226 + 228 Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

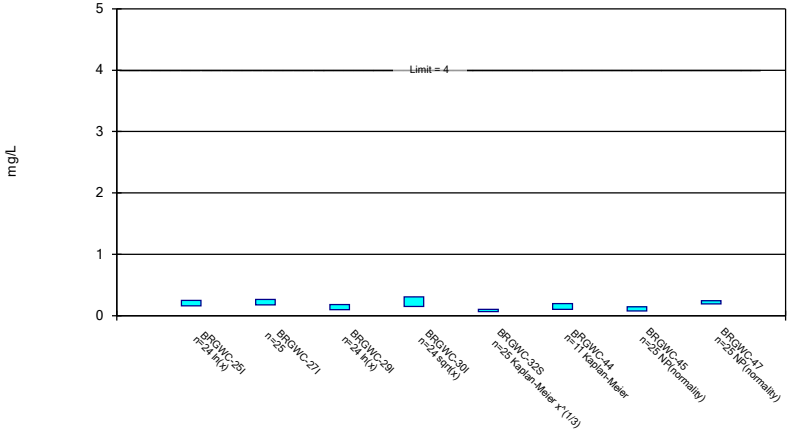


Constituent: Combined Radium 226 + 228 Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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

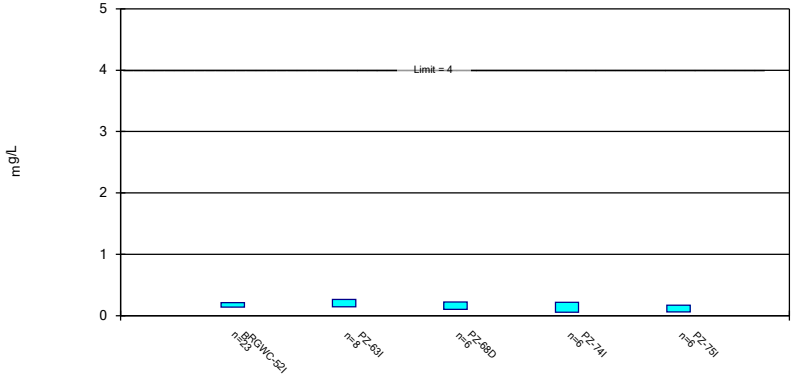


Constituent: Fluoride Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

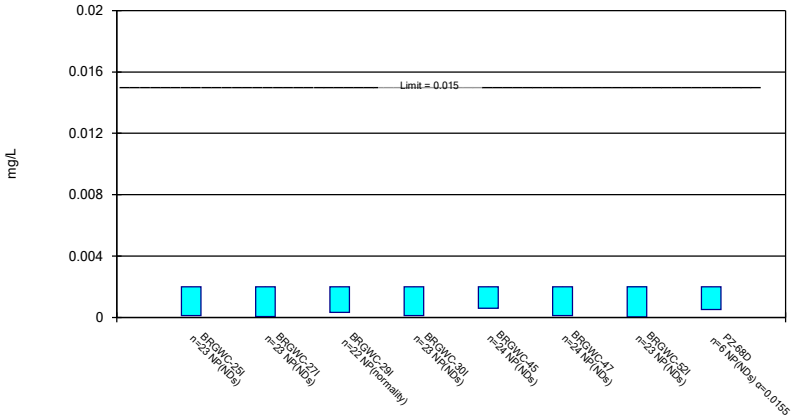


Constituent: Fluoride Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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.

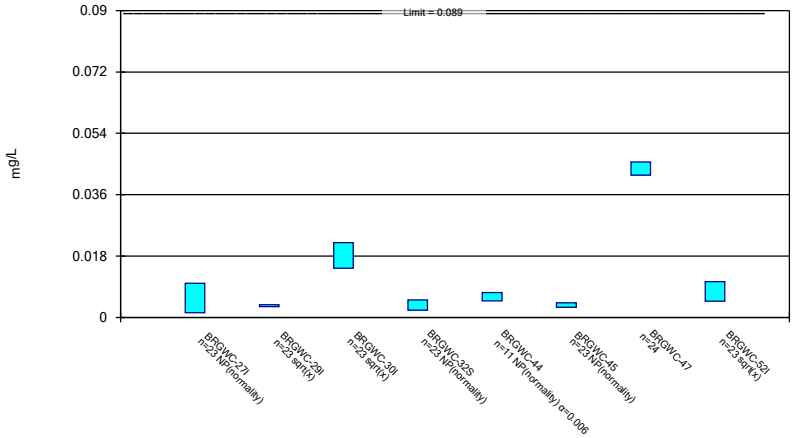


Constituent: Lead Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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.

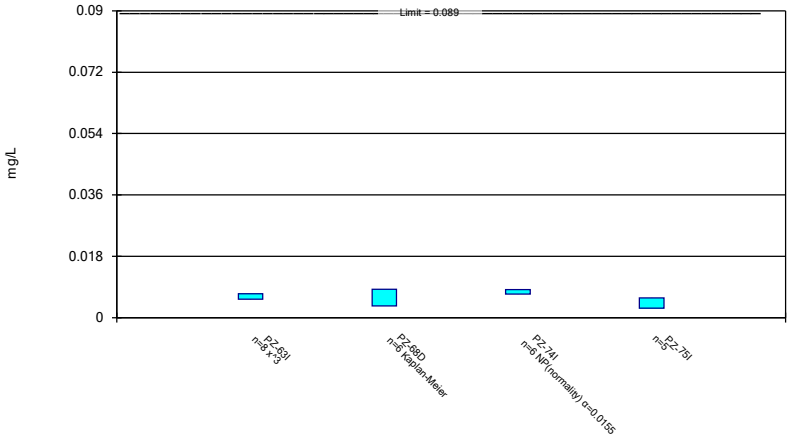


Constituent: Lithium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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.

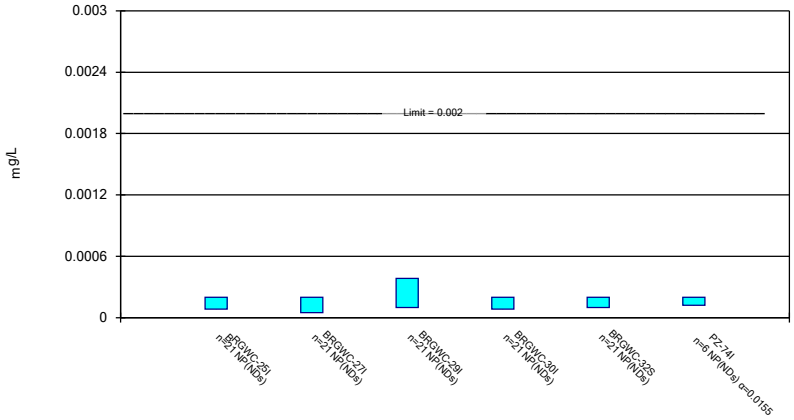


Constituent: Lithium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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.

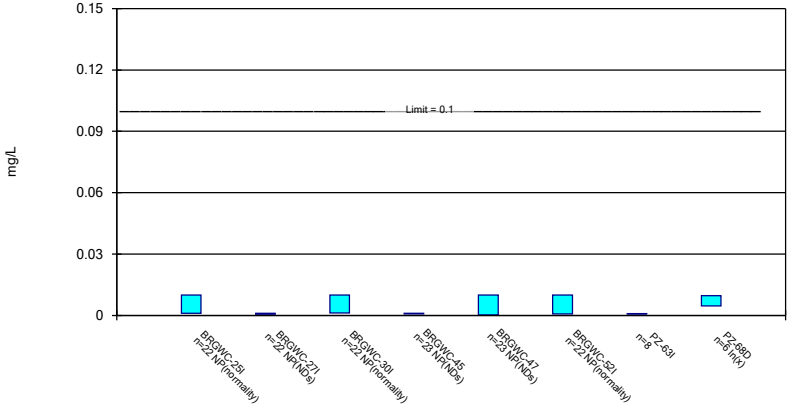


Constituent: Mercury Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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

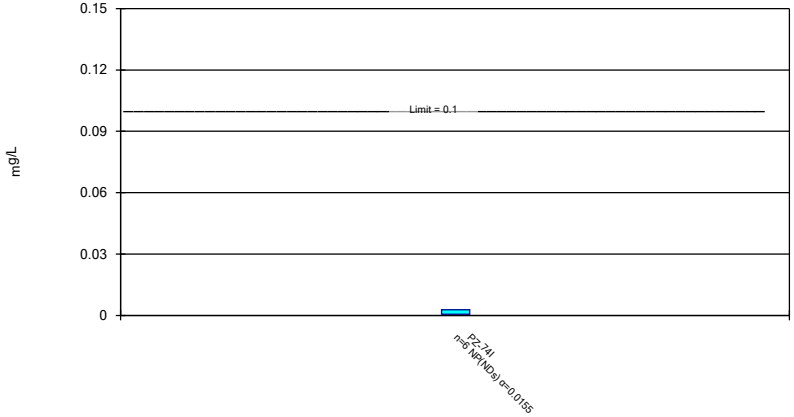


Constituent: Molybdenum Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

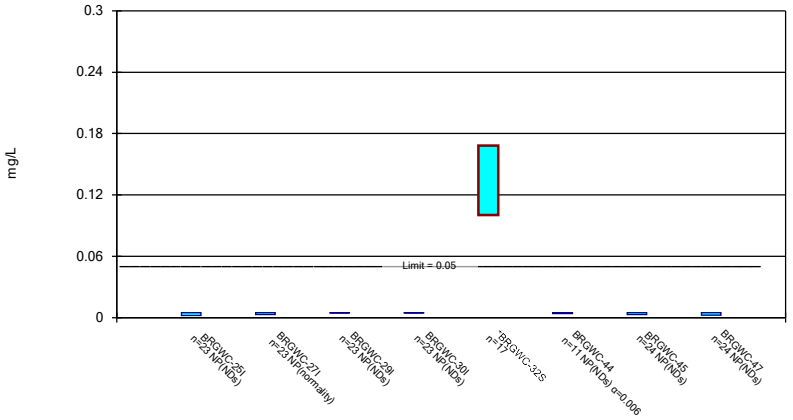


Constituent: Molybdenum Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

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.

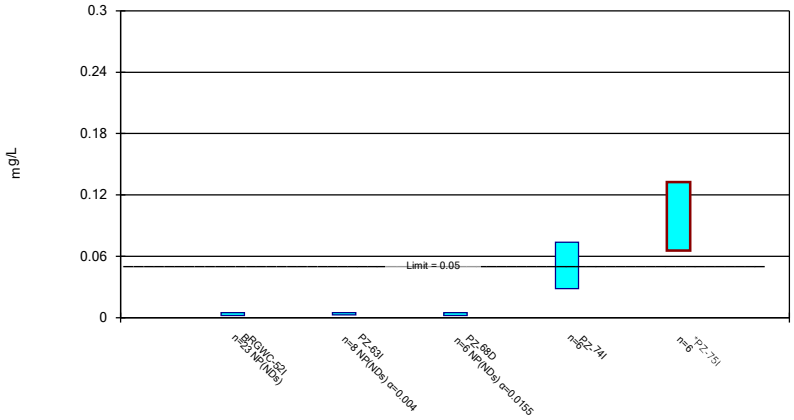


Constituent: Selenium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.01 Software licensed to Groundwater Stats Consulting. UG

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.

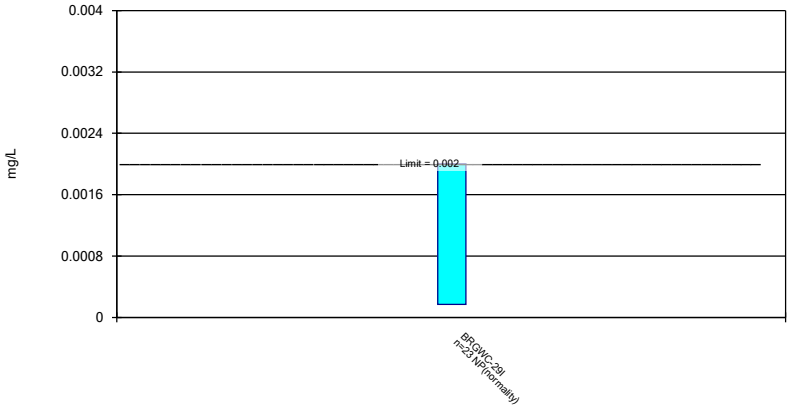


Constituent: Selenium Analysis Run 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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 10/23/2025 2:27 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-68D
9/6/2016		<0.003					
9/8/2016	<0.003		<0.003				
11/21/2016	<0.003	<0.003	<0.003				
2/22/2017	<0.003	<0.003	<0.003				
6/14/2017	0.0007 (J)	<0.003	<0.003				
9/27/2017	<0.003	<0.003	<0.003				
2/14/2018	<0.003	<0.003	<0.003				
3/6/2018				<0.003	<0.003		
5/1/2018				<0.003	<0.003		
6/27/2018	<0.003		<0.003		<0.003		
6/28/2018		<0.003		<0.003			
7/31/2018				<0.003			
8/1/2018					<0.003		
8/10/2018						<0.003	
8/23/2018				<0.003	<0.003	0.00085 (J)	
9/19/2018				<0.003	<0.003	<0.003	
10/29/2018				<0.003	<0.003	<0.003	
11/28/2018				<0.003	<0.003	<0.003	
12/18/2018	<0.003	<0.003					
12/19/2018			<0.003		<0.003		
12/20/2018				0.0024 (J)		<0.003	
1/17/2019						<0.003	
2/13/2019						<0.003	
8/27/2019		<0.003	<0.003				
8/28/2019	<0.003			0.00046 (J)	<0.003		
8/29/2019						<0.003	
10/16/2019	<0.003				<0.003	<0.003	
12/3/2019				0.00088 (J)			
12/4/2019		<0.003	<0.003				
3/4/2020	<0.003				<0.003	0.00043 (J)	
3/5/2020		<0.003	0.0014 (J)	0.0016 (J)			
8/19/2020	<0.003	<0.003	<0.003				
8/20/2020				0.0031	<0.003	<0.003	
9/15/2020	<0.003						
9/16/2020		<0.003	<0.003	0.0012 (J)	0.00035 (J)		
9/17/2020						<0.003	
3/2/2021				0.0014 (J)	<0.003		
3/3/2021	<0.003	<0.003					
3/4/2021			<0.003			0.00091 (J)	
9/23/2021				<0.003	<0.003		
9/28/2021	<0.003	<0.003	<0.003			<0.003	
2/2/2022		0.0013 (J)	<0.003	<0.003	<0.003	<0.003	
2/3/2022	<0.003						
8/23/2022					<0.003		
8/24/2022	<0.003	<0.003					
8/25/2022			<0.003	<0.003		<0.003	
1/24/2023			<0.003				
1/25/2023				<0.003		<0.003	
1/26/2023	<0.003	<0.003			<0.003		
2/1/2023							0.00176 (J)
8/22/2023		<0.003	<0.003				
8/23/2023							<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-68D
8/24/2023	<0.003			<0.003	<0.003	<0.003	
1/30/2024		<0.003	<0.003		<0.003		
1/31/2024	<0.003						
2/1/2024				<0.003		<0.003	<0.003
8/27/2024	<0.003						
8/28/2024		<0.003	<0.003		<0.003	<0.003	
8/29/2024				<0.003			<0.003
2/18/2025					<0.003		
2/19/2025	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003
8/26/2025	<0.003		<0.003	<0.003	<0.003		
8/27/2025		<0.003				<0.003	<0.003
Mean	0.0029	0.002926	0.00293	0.002585	0.00289	0.002704	0.002793
Std. Dev.	0.0004796	0.0003545	0.0003336	0.000806	0.0005409	0.0007856	0.0005062
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0007	0.0013	0.0014	0.0024	0.00035	0.00091	0.00176

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/6/2016				<0.005				
9/8/2016	<0.005	<0.005	<0.005		<0.005			
11/17/2016	<0.005							
11/18/2016		<0.005						
11/21/2016			0.0019 (J)	<0.005	<0.005			
2/21/2017	<0.005	<0.005						
2/22/2017			<0.005	<0.005	<0.005			
6/13/2017	0.0006 (J)	0.0009 (J)						
6/14/2017			0.002 (J)	<0.005	<0.005			
9/27/2017	<0.005	0.0007 (J)	0.0016 (J)	<0.005	<0.005			
2/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005			
3/6/2018						0.00082 (J)	0.0018 (J)	0.0025 (J)
5/1/2018						<0.005	0.0021 (J)	0.0016 (J)
6/26/2018	0.00072 (J)							
6/27/2018		<0.005	<0.005		<0.005			0.0016 (J)
6/28/2018				0.00073 (J)			0.0017 (J)	
7/31/2018							<0.005	
8/1/2018								0.0028 (J)
8/23/2018							0.00075 (J)	<0.005
9/19/2018							<0.005	<0.005
10/29/2018							<0.005	0.0012 (J)
11/28/2018							0.00096 (J)	0.0019 (J)
12/18/2018	0.00091 (J)		<0.005	<0.005				
12/19/2018					<0.005			0.00075 (J)
12/20/2018		<0.005					<0.005	
8/27/2019	<0.005			<0.005	<0.005			
8/28/2019		0.0014 (J)	0.00051 (J)				0.00058 (J)	0.0018 (J)
10/15/2019	0.00052 (J)							
10/16/2019			0.00065 (J)					<0.005
12/3/2019							0.0007 (J)	
12/4/2019		0.0011 (J)		0.00056 (J)	0.00053 (J)			
3/4/2020	<0.005	<0.005	0.00044 (J)					0.00049 (J)
3/5/2020				<0.005	<0.005		<0.005	
8/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005			
8/20/2020							<0.005	0.00089 (J)
9/15/2020	<0.005		<0.005					
9/16/2020		<0.005		<0.005	<0.005		<0.005	<0.005
3/2/2021	<0.005						<0.005	<0.005
3/3/2021		<0.005	0.0015 (J)	<0.005				
3/4/2021					<0.005			
9/23/2021							<0.005	0.002 (J)
9/28/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
2/2/2022	<0.005			<0.005	<0.005	0.004 (J)	<0.005	0.0056
2/3/2022			<0.005					
2/4/2022		<0.005						
8/23/2022	<0.005							0.00228 (J)
8/24/2022			<0.005	0.00283 (J)				
8/25/2022		<0.005			<0.005	<0.005	<0.005	
1/24/2023					<0.005			
1/25/2023		<0.005				0.00221 (J)	0.00225 (J)	
1/26/2023	<0.005		<0.005	0.00208 (J)				0.0024 (J)
8/22/2023				<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
8/23/2023						<0.005		
8/24/2023	<0.005	<0.005	<0.005				<0.005	0.0038 (J)
1/30/2024				0.002 (J)	<0.005	<0.005		<0.005
1/31/2024	<0.005	<0.005	<0.005					
2/1/2024							<0.005	
8/27/2024		<0.005	<0.005			<0.005		
8/28/2024				<0.005	<0.005			<0.005
8/29/2024	<0.005						<0.005	
2/18/2025								<0.005
2/19/2025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/26/2025		<0.005	0.00273 (J)		<0.005		<0.005	<0.005
8/27/2025				0.00408 (J)		<0.005		
8/28/2025	<0.005							
Mean	0.00425	0.004309	0.003753	0.00423	0.004806	0.004275	0.003785	0.003192
Std. Dev.	0.001672	0.001544	0.001805	0.001467	0.0009321	0.001431	0.001795	0.001748
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00091	0.0014	0.0019	0.00408	0.00053	0.00221	0.0018	0.0018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-68D
8/10/2018	<0.005	
8/23/2018	<0.005	
9/19/2018	0.0013 (J)	
10/29/2018	0.0038 (J)	
11/28/2018	0.0016 (J)	
12/20/2018	0.0032 (J)	
1/17/2019	0.0032 (J)	
2/13/2019	<0.005	
8/29/2019	0.00067 (J)	
10/16/2019	0.0026 (J)	
3/4/2020	0.0047 (J)	
8/20/2020	0.0031 (J)	
9/17/2020	<0.005	
3/4/2021	0.003 (J)	
9/28/2021	<0.005	
2/2/2022	<0.005	
8/25/2022	<0.005	
1/25/2023	<0.005	
2/1/2023		0.0058
8/23/2023		0.00342 (J)
8/24/2023	<0.005	
2/1/2024	<0.005	<0.005
8/28/2024	<0.005	
8/29/2024		<0.005
2/19/2025	<0.005	<0.005
8/27/2025	<0.005	0.00211 (J)
Mean	0.004007	0.004388
Std. Dev.	0.001393	0.00136
Upper Lim.	0.005	0.005028
Lower Lim.	0.0031	0.001513

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/6/2016				0.0206				
9/8/2016	0.0378	0.0184	0.0199		0.0593			
11/17/2016	0.0448							
11/18/2016		0.0173						
11/21/2016			0.0221 (J)	0.0237 (J)	0.0532			
2/21/2017	0.0447	0.015						
2/22/2017			0.0179	0.0219	0.0498			
6/13/2017	0.0351	0.0143						
6/14/2017			0.0157	0.0197	0.0421			
9/27/2017	0.0383	0.017	0.0165	0.0213	0.0411			
2/14/2018	0.0327	0.0166	0.0163	0.0236	0.0417			
3/6/2018						0.0461	0.1	0.0519
5/1/2018						0.052	0.084	0.049
6/26/2018	0.031							
6/27/2018		0.015	0.017		0.038			0.046
6/28/2018				0.023			0.067	
7/31/2018							0.087	
8/1/2018								0.043
8/23/2018							0.084	0.038
9/19/2018							0.086	0.036
10/29/2018							0.098	0.041
11/28/2018							0.11	0.039
12/18/2018	0.03		0.017	0.029				
12/19/2018					0.036			0.04
12/20/2018		0.015					0.093	
8/27/2019	0.027			0.027	0.032			
8/28/2019		0.019	0.02				0.11	0.035
10/15/2019	0.027							
10/16/2019			0.019					0.032
12/3/2019							0.099	
12/4/2019		0.016		0.021	0.028			
3/4/2020	0.026	0.015	0.018					0.038
3/5/2020				0.025	0.026		0.078	
8/19/2020	0.027	0.016	0.019	0.026	0.025			
8/20/2020							0.083	0.035
9/15/2020	0.024		0.017					
9/16/2020		0.016		0.022	0.024		0.085	0.028
3/2/2021	0.026						0.061	0.036
3/3/2021		0.016	0.021	0.028				
3/4/2021					0.024			
9/23/2021							0.064	0.031
9/28/2021	0.023	0.013	0.017	0.035	0.02	0.049		
2/2/2022	0.023			0.031	0.023	0.052	0.063	0.028
2/3/2022			0.016					
2/4/2022		0.015						
8/23/2022	0.0259							0.0285
8/24/2022			0.0175	0.0389				
8/25/2022		0.0161			0.0231	0.056	0.0574	
1/24/2023					0.0182			
1/25/2023		0.0166				0.0498	0.0695	
1/26/2023	0.0293		0.018	0.0397				0.0311
8/22/2023				0.04	0.0243			

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
8/23/2023						0.0555		
8/24/2023	0.0271	0.0151	0.0174				0.0524	0.028
1/30/2024				0.0349	0.0192	0.052		0.0278
1/31/2024	0.0276	0.0155	0.0179					
2/1/2024							0.0497	
8/27/2024		0.0164	0.0163			0.0524		
8/28/2024				0.0339	0.0163			0.0257
8/29/2024	0.0291						0.0602	
2/18/2025								0.0266
2/19/2025	0.0254	0.0193	0.0168	0.0328	0.0192	0.05	0.0629	
8/26/2025		0.0255	0.0159		0.0185		0.0676	0.028
8/27/2025				0.0343		0.0561		
8/28/2025	0.0292							
Mean	0.03004	0.01648	0.01779	0.02836	0.03052	0.0519	0.07799	0.03511
Std. Dev.	0.006202	0.00245	0.001682	0.006635	0.01231	0.003127	0.01785	0.007374
Upper Lim.	0.03281	0.017	0.01867	0.03183	0.03696	0.05451	0.08709	0.03887
Lower Lim.	0.02675	0.015	0.01691	0.02489	0.02409	0.04929	0.06888	0.03135

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I	PZ-75I
8/10/2018	0.038				
8/23/2018	0.03				
9/19/2018	0.03				
10/29/2018	0.025				
11/28/2018	0.017				
12/20/2018	0.013				
1/17/2019	0.017				
2/13/2019	0.025				
8/29/2019	0.017				
10/16/2019	0.015				
3/4/2020	0.022				
8/20/2020	0.017				
9/17/2020	0.02				
3/4/2021	0.019				
9/28/2021	0.013				
2/2/2022	0.013				
2/4/2022		0.037			
8/25/2022	0.0179	0.023			
1/25/2023	0.0249				
1/30/2023		0.022			
2/1/2023			0.145		
6/6/2023				0.0586	
8/23/2023		0.0221	0.107		
8/24/2023	0.0415			0.0346	0.0513
2/1/2024	0.0414	0.0202	0.0853	0.0245	0.0421
8/27/2024				0.026	0.035
8/28/2024	0.0345				
8/29/2024		0.0206	0.0796		
2/18/2025				0.0222	0.0299
2/19/2025	0.039	0.0224	0.0959		
8/27/2025	0.0557	0.021	0.0959	0.0235	0.0297
Mean	0.02547	0.02354	0.1015	0.03157	0.0376
Std. Dev.	0.01147	0.005522	0.02335	0.01396	0.009171
Upper Lim.	0.03147	0.037	0.1335	0.0586	0.05297
Lower Lim.	0.01948	0.0202	0.06937	0.0222	0.02223

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-45	BRGWC-47	PZ-63I
9/8/2016	0.0002 (J)	0.0011 (J)			
11/18/2016	0.0002 (J)				
11/21/2016		0.0012 (J)			
2/21/2017	0.0002 (J)				
2/22/2017		0.0014 (J)			
6/13/2017	0.0002 (J)				
6/14/2017		0.0012 (J)			
9/27/2017	0.0001 (J)	0.001 (J)			
2/14/2018	<0.0005	<0.003			
3/6/2018			<0.0005	<0.0005	
5/1/2018			<0.0005	<0.0005	
6/27/2018	0.00014 (J)	0.0008 (J)		<0.0005	
6/28/2018			<0.0005		
7/31/2018			<0.0005		
8/1/2018				<0.0005	
8/23/2018			7.9E-05 (J)	5.5E-05 (J)	
9/19/2018			<0.0005	<0.0005	
10/29/2018			<0.0005	<0.0005	
11/28/2018			<0.0005	5.6E-05 (J)	
12/18/2018		0.00071 (J)			
12/19/2018				6E-05 (J)	
12/20/2018	0.00012 (J)		<0.0005		
8/28/2019	0.00012 (J)	0.0008 (J)	<0.0005	<0.0005	
10/16/2019		0.00072 (J)		<0.0005	
10/17/2019	<0.0005		<0.0005		
12/3/2019			<0.0005		
12/4/2019	0.00012 (J)				
3/4/2020	0.00012 (J)	0.00073 (J)		<0.0005	
3/5/2020			<0.0005		
8/19/2020	9.9E-05 (J)	0.00074 (J)			
8/20/2020			4.6E-05 (J)	4.7E-05 (J)	
9/15/2020		0.00071 (J)			
9/16/2020	0.00011 (J)		<0.0005	<0.0005	
3/2/2021			<0.0005	<0.0005	
3/3/2021	7.1E-05 (J)	0.00094			
9/23/2021			<0.0005	<0.0005	
9/28/2021	<0.0005	0.00079			
2/2/2022			<0.0005	<0.0005	
2/3/2022		0.00083			
2/4/2022	5.4E-05 (J)				<0.0005
8/23/2022				<0.0005	
8/24/2022		0.000845			
8/25/2022	<0.0005		<0.0005		<0.0005
1/25/2023	<0.0005		<0.0005		
1/26/2023		0.00109		<0.0005	
1/30/2023					<0.0005
8/23/2023					<0.0005
8/24/2023	<0.0005	0.00113	<0.0005	<0.0005	
1/30/2024				<0.0005	
1/31/2024	<0.0005	0.00114			
2/1/2024			<0.0005		0.000286 (J)
8/27/2024	<0.0005	0.000892			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-45	BRGWC-47	PZ-63I
8/28/2024				<0.0005	
8/29/2024			<0.0005		<0.0005
2/18/2025				<0.0005	
2/19/2025	0.000201 (J)	0.001	<0.0005		<0.0005
8/26/2025	<0.0005	0.000999	<0.0005	<0.0005	
8/27/2025					<0.0005
Mean	0.0002731	0.0009681	0.000465	0.0004258	0.0004733
Std. Dev.	0.0001838	0.0002237	0.0001212	0.0001696	7.566E-05
Upper Lim.	0.0005	0.001085	0.0005	0.0005	0.0005
Lower Lim.	0.00012	0.0008511	7.9E-05	6E-05	0.000286

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-30I	BRGWC-32S	BRGWC-45	BRGWC-47
9/6/2016		<0.001			
9/8/2016	7E-05 (J)		<0.001		
11/18/2016	9E-05 (J)				
11/21/2016		8E-05 (J)	8E-05 (J)		
2/21/2017	<0.001				
2/22/2017		<0.001	0.0001 (J)		
6/13/2017	<0.001				
6/14/2017		<0.001	<0.001		
9/27/2017	<0.001	<0.001	<0.001		
2/14/2018	<0.001	<0.001	<0.001		
3/6/2018				<0.001	<0.001
5/1/2018				<0.001	<0.001
6/27/2018	<0.001		0.00011 (J)		0.00014 (J)
6/28/2018		<0.001		<0.001	
7/31/2018				<0.001	
8/1/2018					0.00011 (J)
8/23/2018				<0.001	0.00018 (J)
9/19/2018				<0.001	0.00015 (J)
10/29/2018				9.8E-05 (J)	0.00019 (J)
11/28/2018				<0.001	0.00022 (J)
12/18/2018		<0.001			
12/19/2018			0.00012 (J)		<0.001
12/20/2018	<0.001			0.00029 (J)	
8/27/2019		<0.001	<0.001		
8/28/2019	<0.001			<0.001	0.00017 (J)
10/16/2019					0.00018 (J)
10/17/2019	<0.001	<0.001	<0.001	<0.001	
12/3/2019				0.00011 (J)	
12/4/2019	<0.001	<0.001	<0.001		
3/4/2020	<0.001				0.00024 (J)
3/5/2020		<0.001	<0.001	<0.001	
8/19/2020	<0.001	<0.001	<0.001		
8/20/2020				0.00014 (J)	<0.001
9/16/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/2/2021				0.0002 (J)	<0.001
3/3/2021	<0.001	<0.001			
3/4/2021			<0.001		
9/23/2021				<0.001	<0.001
9/28/2021	<0.001	<0.001	<0.001		
2/2/2022		0.00014 (J)	<0.001	<0.001	0.00015 (J)
2/4/2022	<0.001				
8/23/2022					<0.001
8/24/2022		<0.001			
8/25/2022	<0.001		<0.001	<0.001	
1/24/2023			<0.001		
1/25/2023	<0.001			<0.001	
1/26/2023		<0.001			<0.001
8/22/2023		<0.001	<0.001		
8/24/2023	<0.001			<0.001	<0.001
1/30/2024		<0.001	<0.001		<0.001
1/31/2024	<0.001				
2/1/2024				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-30I	BRGWC-32S	BRGWC-45	BRGWC-47
8/27/2024	<0.001				
8/28/2024		<0.001	<0.001		<0.001
8/29/2024				<0.001	
2/18/2025					<0.001
2/19/2025	<0.001	<0.001	<0.001	<0.001	
8/26/2025	<0.001		<0.001	<0.001	<0.001
8/27/2025		<0.001			
Mean	0.0009233	0.0009258	0.0008504	0.0008335	0.0006554
Std. Dev.	0.0002598	0.0002514	0.0003417	0.0003414	0.0004172
Upper Lim.	0.001	0.001	0.001	0.001	0.001
Lower Lim.	9E-05	0.00014	0.00012	0.00029	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-45	BRGWC-47	BRGWC-52I
9/6/2016				<0.01				
9/8/2016	<0.01	0.001 (J)	<0.01		<0.01			
11/17/2016	<0.01							
11/18/2016		<0.01						
11/21/2016			<0.01	<0.01	<0.01			
2/21/2017	<0.01	<0.01						
2/22/2017			<0.01	<0.01	0.0012 (J)			
6/13/2017	<0.01	<0.01						
6/14/2017			<0.01	<0.01	0.0009 (J)			
9/27/2017	<0.01	<0.01	<0.01	<0.01	0.0011 (J)			
2/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01			
3/6/2018						<0.01	<0.01	
5/1/2018						<0.01	<0.01	
6/26/2018	<0.01							
6/27/2018		<0.01	<0.01		<0.01		<0.01	
6/28/2018				<0.01		<0.01		
7/31/2018						<0.01		
8/1/2018							<0.01	
8/10/2018								0.0017 (J)
8/23/2018						<0.01	<0.01	<0.01
9/19/2018						<0.01	<0.01	<0.01
10/29/2018						<0.01	<0.01	<0.01
11/28/2018						<0.01	<0.01	<0.01
12/18/2018	<0.01		<0.01	<0.01				
12/19/2018					<0.01		0.0018 (J)	
12/20/2018		0.003 (J)				<0.01		<0.01
1/17/2019								<0.01
2/13/2019								<0.01
8/27/2019	0.0016 (J)			0.0051 (J)	0.0019 (J)			
8/28/2019		<0.01	<0.01			<0.01	0.00092 (J)	
8/29/2019								<0.01
10/15/2019	0.00098 (J)							
10/16/2019			<0.01				<0.01	<0.01
12/3/2019						<0.01		
12/4/2019		<0.01		<0.01	0.0014 (J)			
3/4/2020	<0.01	<0.01	0.02				0.00078 (J)	<0.01
3/5/2020				<0.01	0.0014 (J)	0.00053 (J)		
8/19/2020	<0.01	<0.01	<0.01	<0.01	0.0021 (J)			
8/20/2020						0.001 (J)	0.00064 (J)	<0.01
9/15/2020	<0.01		<0.01					
9/16/2020		<0.01		0.014	0.0025 (J)	0.0014 (J)	<0.01	
9/17/2020								<0.01
3/2/2021	<0.01					<0.01	<0.01	
3/3/2021		<0.01	<0.01	<0.01				
3/4/2021					0.002 (J)			<0.01
9/23/2021						<0.01	<0.01	
9/28/2021	<0.01	<0.01	<0.01	<0.01	0.0021 (J)			<0.01
2/2/2022	<0.01			<0.01	0.0021 (J)	<0.01	<0.01	<0.01
2/3/2022			<0.01					
2/4/2022		<0.01						
8/23/2022	<0.01						<0.01	
8/24/2022			<0.01	<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-45	BRGWC-47	BRGWC-52I
8/25/2022		<0.01			<0.01	<0.01		<0.01
1/24/2023					<0.01			
1/25/2023		<0.01				<0.01		<0.01
1/26/2023	<0.01		<0.01	<0.01			<0.01	
8/22/2023				<0.01	<0.01			
8/24/2023	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01
1/30/2024				<0.01	<0.01		<0.01	
1/31/2024	<0.01	<0.01	<0.01					
2/1/2024						<0.01		<0.01
8/27/2024		<0.01	<0.01					
8/28/2024				<0.01	<0.01		<0.01	<0.01
8/29/2024	<0.01					<0.01		
2/18/2025							<0.01	
2/19/2025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
8/26/2025		<0.01	<0.01		<0.01	<0.01	<0.01	
8/27/2025				<0.01				<0.01
8/28/2025	<0.01							
Mean	0.009243	0.009304	0.01043	0.009961	0.00603	0.008872	0.008506	0.009639
Std. Dev.	0.002511	0.002324	0.002085	0.001348	0.004254	0.003051	0.003418	0.001731
Upper Lim.	0.01	0.01	0.02	0.014	0.01	0.01	0.01	0.01
Lower Lim.	0.0016	0.003	0.01	0.0051	0.0019	0.0014	0.0018	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/6/2016				0.0006 (J)				
9/8/2016	0.0073 (J)	0.0149	0.0122		0.0025 (J)			
11/17/2016	0.0086 (J)							
11/18/2016		0.0131						
11/21/2016			0.0122	<0.04	0.001 (J)			
2/21/2017	0.0079 (J)	0.0099 (J)						
2/22/2017			0.0136	0.0016 (J)	<0.001			
6/13/2017	0.0083 (J)	0.0094 (J)						
6/14/2017			0.0113	0.0015 (J)	<0.001			
9/27/2017	0.0087 (J)	0.0095 (J)	0.0094 (J)	0.0007 (J)	<0.001			
2/14/2018	<0.01	0.0112	<0.01	<0.04	<0.001			
3/6/2018						<0.001	0.0162	<0.001
5/1/2018						<0.001	0.015	<0.001
6/26/2018	0.006 (J)							
6/27/2018		0.0093 (J)	0.0069 (J)		<0.001			0.0076 (J)
6/28/2018				0.00078 (J)			0.01	
7/31/2018							0.0098 (J)	
8/1/2018								0.004 (J)
8/23/2018							0.0093 (J)	0.0016 (J)
9/19/2018							0.0084 (J)	0.0018 (J)
10/29/2018							0.0064 (J)	0.0014 (J)
11/28/2018							0.0071 (J)	0.0016 (J)
12/18/2018	0.0055 (J)		0.0067 (J)	0.0011 (J)				
12/19/2018					<0.001			0.0014 (J)
12/20/2018		0.0081 (J)					0.069	
8/27/2019	0.0042 (J)			0.0014 (J)	<0.001			
8/28/2019		0.01	0.0061 (J)				0.011	0.00037 (J)
10/15/2019	0.0043 (J)							
10/16/2019			0.0058					0.00032 (J)
10/17/2019		0.009 (J)		<0.04	<0.001		0.0096 (J)	
12/3/2019							0.0076	
12/4/2019		0.0086		0.0012 (J)	<0.001			
3/4/2020	0.0039 (J)	0.008	0.007					0.0011 (J)
3/5/2020				0.0011 (J)	<0.001		0.0091	
8/19/2020	0.0039 (J)	0.0078	0.0065	0.0008 (J)	<0.001			
8/20/2020							0.022	0.00043 (J)
9/15/2020	0.0035 (J)		0.0064					
9/16/2020		0.008		0.0008 (J)	<0.001		0.0049 (J)	0.00053 (J)
3/2/2021	0.003 (J)						0.0057	0.0005 (J)
3/3/2021		0.0062	0.0095	0.0015 (J)				
3/4/2021					<0.001			
9/23/2021							0.0049 (J)	<0.001
9/28/2021	0.0029 (J)	0.0047 (J)	0.0069	0.001 (J)	<0.001	<0.001		
2/2/2022	0.0027 (J)			0.0012 (J)	<0.001	<0.001	0.0054	<0.001
2/3/2022			0.0077					
2/4/2022		0.0076						
8/23/2022	0.00342							<0.001
8/24/2022			0.0066	0.00163				
8/25/2022		0.0079			<0.001	<0.001	0.00357	
1/24/2023					<0.001			
1/25/2023		0.00711				<0.001	0.00258	
1/26/2023	0.0032		0.00823	0.00158				0.000376 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
8/22/2023				0.00183	<0.001			
8/23/2023						<0.001		
8/24/2023	0.00343	0.00601	0.00724				0.00221	<0.001
1/30/2024				0.00179	<0.001	0.000408 (J)		<0.001
1/31/2024	0.00254	0.00392	0.00874					
2/1/2024							0.00181	
8/27/2024		0.00566	0.00574			<0.001		
8/28/2024				0.00149	<0.001			<0.001
8/29/2024	0.00319						0.00203	
2/18/2025								<0.001
2/19/2025	0.00193	0.00157	0.00698	0.00149	<0.001	<0.001	0.000823 (J)	
8/26/2025		0.00291	0.00587		<0.001		0.00193	<0.001
8/27/2025				0.00236		<0.001		
8/28/2025	0.00338							
Mean	0.004643	0.007933	0.007939	0.003644	0.001063	0.0009462	0.009854	0.001376
Std. Dev.	0.002117	0.003001	0.002364	0.006328	0.0003062	0.0001785	0.01331	0.001517
Upper Lim.	0.005525	0.009464	0.008992	0.00179	0.0025	0.001	0.00998	0.0009719
Lower Lim.	0.003461	0.006401	0.00667	0.001	0.001	0.001	0.003927	0.0004193

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I	PZ-75I
8/10/2018	0.0043 (J)				
8/23/2018	0.0026 (J)				
9/19/2018	0.0028 (J)				
10/29/2018	0.0015 (J)				
11/28/2018	0.0012 (J)				
12/20/2018	<0.001				
1/17/2019	<0.001				
2/13/2019	<0.001				
8/29/2019	0.00063 (J)				
10/16/2019	<0.001				
3/4/2020	<0.001				
8/20/2020	<0.001				
9/17/2020	0.00046 (J)				
3/4/2021	<0.001				
9/28/2021	<0.001				
2/2/2022	<0.001				
2/4/2022		0.019			
8/25/2022	<0.001	0.0232			
1/25/2023	<0.001				
1/30/2023		0.028			
2/1/2023			0.000825 (J)		
6/6/2023				0.00258	
8/23/2023		0.0309	0.00106		
8/24/2023	0.000317 (J)			0.00059 (J)	0.00105
2/1/2024	0.00042 (J)	0.0299	0.000852 (J)	0.000829 (J)	0.000519 (J)
8/27/2024				<0.001	<0.001
8/28/2024	<0.001				
8/29/2024		0.0335	0.000526 (J)		
2/18/2025				<0.001	<0.001
2/19/2025	<0.001	0.0402	0.000454 (J)		
8/27/2025	<0.001	0.0408	0.0006 (J)	<0.001	<0.001
Mean	0.001227	0.03069	0.0007195	0.001167	0.0009138
Std. Dev.	0.0008797	0.007571	0.000231	0.000711	0.0002218
Upper Lim.	0.0012	0.03871	0.001037	0.001753	0.00105
Lower Lim.	0.00063	0.02266	0.0004021	0.0004311	0.000519

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/6/2016				1.01 (U)				
9/8/2016	0.471	1.74	0.54		0.816			
11/17/2016	1.2 (U)							
11/18/2016		0.571 (U)						
11/21/2016			1.59	0.201 (U)	0.0569 (U)			
2/21/2017	1.31	1.28						
2/22/2017			1.64	0.57 (U)	1.07 (U)			
6/13/2017	0.738 (U)	0.521 (U)						
6/14/2017			1.32	0.726 (U)	0.459 (U)			
9/27/2017	0.583 (U)	0.595 (U)	1.7	0.884 (U)	0.807 (U)			
2/14/2018	1.41	1.18 (U)	1.89	1.14 (U)	1.67			
3/6/2018						0.577 (U)	1.25 (U)	1.75
5/1/2018						0.27 (U)	0.423 (U)	2.09
6/26/2018	0.968 (U)							
6/27/2018		1.3 (U)	1.66		1.34			0.878 (U)
6/28/2018				1.4			0.283 (U)	
7/31/2018							0.243 (U)	
8/1/2018								0.638 (U)
8/23/2018							1.1 (U)	1.14 (U)
9/19/2018							0.369 (U)	1.45
10/29/2018							0.401 (U)	1.09 (U)
11/28/2018							0.901 (U)	1.67
12/18/2018	1.13 (U)		0.759 (U)	0.661 (U)				
12/19/2018					1.21 (U)			1.3
12/20/2018		0.527 (U)					0.657 (U)	
8/27/2019	0.91 (U)			1.35	0.86 (U)			
8/28/2019		0.643 (U)	1.76				0.528 (U)	0.804 (U)
10/15/2019	1.06 (U)							
10/16/2019			1.69 (U)					1.28 (U)
10/17/2019		1.07 (U)		1.25 (U)	1.2 (U)		0.977 (U)	
3/4/2020	1.34	1.18	1.23					0.862 (U)
3/5/2020				1.35	0.483 (U)		0.921 (U)	
8/19/2020	0.467 (U)	0.684 (U)	0.876 (U)	1 (U)	0.482 (U)			
8/20/2020							0.501 (U)	1.64
9/15/2020	0.205 (U)		1.23 (U)					
9/16/2020		0.175 (U)		0.43 (U)	0.195 (U)		0.254 (U)	0.51 (U)
3/2/2021	0.161 (U)						0.107 (U)	0.571 (U)
3/3/2021		0.829 (U)	1.31 (U)	0.415 (U)				
3/4/2021					0.32 (U)			
9/23/2021							0.619 (U)	0.527 (U)
9/28/2021	4.44	3.58	1.49	0.749 (U)	0.947 (U)	0.526 (U)		
2/2/2022	0.64 (U)			1.21 (U)	0.0265 (U)	0.244 (U)	0.219 (U)	0.145 (U)
2/3/2022			0.798 (U)					
2/4/2022		0.335 (U)						
8/23/2022	1.9 (U)							3.74
8/24/2022			1.97	3.26				
8/25/2022		1.79 (U)			1.32 (U)	1.6 (U)	1.65 (U)	
1/24/2023					2.25			
1/25/2023		1.53 (U)				2.49 (U)	1.29 (U)	
1/26/2023	3.24		2.27 (U)	2.73 (U)				3.28
8/22/2023				2.71	2.33			
8/23/2023						0.477 (U)		

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
8/24/2023	1.21 (U)	2.23	3.02				0.607 (U)	2.39
1/30/2024				4.11	0.572 (U)	2.87		2.63
1/31/2024	3.78	1.49 (U)	3.01					
2/1/2024							1.22 (U)	
8/27/2024		2.41	2.39			2.84		
8/28/2024				3.82	0.737 (U)			1.32 (U)
8/29/2024	6.24						1.71	
2/18/2025								2.18 (U)
2/19/2025	2.94	1.44 (U)	2.67	1.09 (U)	2.61	0.947 (U)	2.94	
8/26/2025		3.96	5.92		2.77		3.39	4.34
8/27/2025				5.84		4.96		
8/28/2025	3.62							
Mean	1.738	1.35	1.858	1.648	1.067	1.618	0.94	1.593
Std. Dev.	1.563	0.9629	1.109	1.426	0.7929	1.507	0.8227	1.065
Upper Lim.	2.223	1.695	2.264	2.098	1.481	2.651	1.187	2.136
Lower Lim.	0.8436	0.7958	1.277	0.8597	0.6519	0.4419	0.4907	1.049

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I	PZ-75I
8/10/2018	1.91				
8/23/2018	1.86				
9/19/2018	1.64				
10/29/2018	1.36 (U)				
11/28/2018	1.07 (U)				
12/20/2018	0.892 (U)				
1/17/2019	0.411				
2/13/2019	1.68				
8/29/2019	1.44				
10/16/2019	2.13				
3/4/2020	2.3				
8/20/2020	2.97				
9/17/2020	2.04				
3/4/2021	2.04				
9/28/2021	3.28				
2/2/2022	2.33				
2/4/2022		0.768			
8/25/2022	4.97	1.52 (U)			
1/25/2023	7.94				
1/30/2023		6.03			
2/1/2023			4.16		
6/6/2023				7.8	
8/23/2023		2.31	1.62		
8/24/2023	6.36			0.811 (U)	3.11
2/1/2024	4.51	1.52 (U)	2.16	0.912 (U)	2.19
8/27/2024				0.997 (U)	2.81
8/28/2024	14.7				
8/29/2024		4.48	5.43		
2/18/2025				0.399 (U)	2.59
2/19/2025	4.91	1.73	1.79 (U)		
8/27/2025	9.43	3.38	2.12	1.68 (U)	1.63 (U)
Mean	3.573	2.717	2.88	2.1	2.466
Std. Dev.	3.343	1.786	1.55	2.823	0.5752
Upper Lim.	4.558	4.61	5.025	5.002	3.43
Lower Lim.	1.808	0.8242	1.124	0.3135	1.502

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/6/2016				0.43				
9/8/2016	0.14 (J)	0.31	0.2 (J)		0.15 (J)			
11/17/2016	0.27 (J)							
11/18/2016		0.19 (J)						
11/21/2016			0.37	0.24 (J)	0.04 (J)			
2/21/2017	0.6	0.35						
2/22/2017			0.37	0.2 (J)	0.08 (J)			
6/13/2017	0.19 (J)	0.19 (J)						
6/14/2017			0.38	0.15 (J)	0.09 (J)			
9/27/2017	0.5	0.4	0.4	0.41	<0.1			
2/14/2018	<0.3	<0.3	<0.3	<0.3	<0.1			
3/6/2018						<0.3	0.94	1.1
5/1/2018						<0.3	<0.1	0.89
6/26/2018	0.15 (J)							
6/27/2018		0.26 (J)	0.085 (J)		<0.1			0.27 (J)
6/28/2018				0.93			0.69	
7/31/2018							<0.1	
8/1/2018								0.48
8/23/2018							<0.1	0.34
9/19/2018							<0.1	0.23 (J)
10/29/2018							<0.1	<0.2
11/28/2018							<0.1	0.063 (J)
12/18/2018	0.29 (J)		0.26 (J)	0.54				
12/19/2018					0.23 (J)			0.28 (J)
12/20/2018		0.26 (J)					0.12 (J)	
3/19/2019		0.2 (J)						<0.2
3/20/2019	0.18 (J)		0.091 (J)	0.31	<0.1		0.066 (J)	
8/27/2019	0.15 (J)			0.12 (J)	<0.1			
8/28/2019		0.074 (J)	0.055 (J)				<0.1	<0.2
10/15/2019	0.16 (J)							
10/16/2019			0.11 (J)					0.076 (J)
12/3/2019							0.19 (J)	
12/4/2019		0.18 (J)		0.26 (J)	0.11 (J)			
3/4/2020	0.07 (J)	<0.3	<0.3					<0.2
3/5/2020				0.051 (J)	<0.1		<0.1	
8/19/2020	0.17	0.19	0.12	0.14	<0.1			
8/20/2020							<0.1	<0.2
9/15/2020	0.15		0.057 (J)					
9/16/2020		0.15		0.13	<0.1		0.052 (J)	<0.2
3/2/2021	0.15						0.067 (J)	<0.2
3/3/2021		0.24	0.13	0.13				
3/4/2021					<0.1			
9/23/2021							0.06 (J)	<0.2
9/28/2021	0.15	0.16	0.081 (J)	0.11	<0.1	0.08 (J)		
2/2/2022	0.15			0.1	<0.1	0.065 (J)	<0.1	<0.2
2/3/2022			0.11					
2/4/2022		0.14						
8/23/2022	0.186							<0.2
8/24/2022			0.103	0.318				
8/25/2022		0.234			0.138	0.184	0.166	
1/24/2023					0.082 (J)			
1/25/2023		0.152				0.13	0.163	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
1/26/2023	0.202		0.0935 (J)	0.167				0.117
8/22/2023				0.116	0.0477 (J)			
8/23/2023						0.195		
8/24/2023	0.25	0.302	0.0849 (J)				0.185	0.243
1/30/2024				0.169	0.207	0.242		0.11
1/31/2024	0.221	0.222	0.0968 (J)					
2/1/2024							0.126	
5/8/2024		0.342			0.0853 (J)			
8/27/2024		0.382	0.0849 (J)			0.193		
8/28/2024				0.336 (J)	0.0511 (J)			<0.2
8/29/2024	0.248						0.078 (J)	
2/18/2025								0.189
2/19/2025	0.281	0.0997 (J)	0.129	0.194	0.0774 (J)	0.127	0.142	
8/26/2025		0.186	0.109		0.0564 (J)		0.0663 (J)	0.0971 (J)
8/27/2025				0.149		0.107		
8/28/2025	0.247							
Mean	0.219	0.2205	0.1592	0.2438	0.1018	0.1748	0.1645	0.2674
Std. Dev.	0.116	0.08661	0.11	0.1895	0.04306	0.08162	0.2025	0.2367
Upper Lim.	0.2477	0.2637	0.1788	0.3028	0.1021	0.1937	0.142	0.243
Lower Lim.	0.1582	0.1774	0.09812	0.148	0.06312	0.1003	0.078	0.189

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I	PZ-75I
8/10/2018	1.6 (O)				
8/23/2018	0.32				
9/19/2018	0.22 (J)				
10/29/2018	0.14 (J)				
11/28/2018	0.24 (J)				
12/20/2018	0.3				
1/17/2019	0.23 (J)				
2/13/2019	<0.3				
3/20/2019	0.14 (J)				
8/29/2019	0.087 (J)				
10/16/2019	0.22 (J)				
3/4/2020	0.1 (J)				
8/20/2020	0.23				
9/17/2020	0.074 (J)				
3/4/2021	0.28				
9/28/2021	0.12				
2/2/2022	0.098 (J)				
2/4/2022		0.14			
8/25/2022	0.157	0.235			
1/25/2023	0.169				
1/30/2023		0.23			
2/1/2023			0.166		
6/6/2023				0.0891 (J)	
7/5/2023					0.157
8/23/2023		0.252	0.218		
8/24/2023	0.188 (J)			0.157	0.14
2/1/2024	0.215	0.289	0.211	0.232	0.0996 (J)
8/27/2024				0.159	0.155
8/28/2024	0.0748 (J)				
8/29/2024		0.139	0.126		
2/18/2025				0.0877 (J)	0.0816 (J)
2/19/2025	0.152	0.194	0.135		
8/27/2025	0.0985 (J)	0.141	0.114	0.0901 (J)	0.066 (J)
Mean	0.1741	0.2025	0.1617	0.1358	0.1165
Std. Dev.	0.07265	0.05799	0.04446	0.05801	0.03932
Upper Lim.	0.2121	0.264	0.2227	0.2155	0.1705
Lower Lim.	0.1361	0.141	0.1006	0.05613	0.06252

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-68D
9/6/2016				<0.002				
9/8/2016	<0.002	<0.002	0.0004 (J)					
11/17/2016	<0.002							
11/18/2016		<0.002						
11/21/2016			0.0006 (J)	<0.002				
2/21/2017	<0.002	<0.002						
2/22/2017			0.0005 (J)	<0.002				
6/13/2017	<0.002	<0.002						
6/14/2017			0.0004 (J)	<0.002				
9/27/2017	<0.002	<0.002	0.0006 (J)	<0.002				
2/14/2018	<0.002	<0.002	<0.005 (O)	<0.002				
3/6/2018					<0.002	<0.002		
5/1/2018					<0.002	<0.002		
6/26/2018	<0.002							
6/27/2018		<0.002	0.00032 (J)			<0.002		
6/28/2018				<0.002	<0.002			
7/31/2018					<0.002			
8/1/2018						<0.002		
8/10/2018							<0.002	
8/23/2018					<0.002	<0.002	<0.002	
9/19/2018					<0.002	<0.002	<0.002	
10/29/2018					<0.002	<0.002	<0.002	
11/28/2018					<0.002	<0.002	<0.002	
12/18/2018	<0.002		0.00038 (J)	<0.002				
12/19/2018						<0.002		
12/20/2018		<0.002			<0.002		<0.002	
1/17/2019							<0.002	
2/13/2019							<0.002	
8/27/2019	0.00011 (J)			<0.002				
8/28/2019		<0.002	0.00027 (J)		<0.002	<0.002		
8/29/2019							<0.002	
10/15/2019	<0.002							
10/16/2019			0.00027 (J)			<0.002	<0.002	
12/3/2019					<0.002			
12/4/2019		6.3E-05 (J)		<0.002				
3/4/2020	<0.002	<0.002	0.0003 (J)			0.00012 (J)	<0.002	
3/5/2020				<0.002	0.00026 (J)			
8/19/2020	<0.002	<0.002	0.00025 (J)	<0.002				
8/20/2020					0.00021 (J)	4.8E-05 (J)	<0.002	
9/15/2020	<0.002		0.00029 (J)					
9/16/2020		<0.002		0.00011 (J)	5.3E-05 (J)	6.6E-05 (J)		
9/17/2020							<0.002	
3/2/2021	<0.002				<0.002	<0.002		
3/3/2021		<0.002	0.00033 (J)	<0.002				
3/4/2021							4.2E-05 (J)	
9/23/2021					<0.002	<0.002		
9/28/2021	<0.002	<0.002	<0.002	<0.002			<0.002	
2/2/2022	<0.002			<0.002	<0.002	<0.002	<0.002	
2/3/2022			<0.002					
2/4/2022		<0.002						
8/23/2022	<0.002					<0.002		
8/24/2022			<0.002	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-68D
8/25/2022		<0.002			<0.002		<0.002	
1/25/2023		<0.002			0.000595 (J)		<0.002	
1/26/2023	<0.002		<0.002	<0.002		<0.002		
2/1/2023								<0.002
8/22/2023				<0.002				
8/23/2023								<0.002
8/24/2023	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	
1/30/2024				<0.002		<0.002		
1/31/2024	<0.002	<0.002	<0.002					
2/1/2024					<0.002		<0.002	0.000504 (J)
8/27/2024		<0.002	<0.002					
8/28/2024				<0.002		<0.002	<0.002	
8/29/2024	<0.002				<0.002			<0.002
2/18/2025						<0.002		
2/19/2025	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
8/26/2025		<0.002	<0.002		<0.002	<0.002		
8/27/2025				<0.002			<0.002	<0.002
8/28/2025	<0.002							
Mean	0.001918	0.001916	0.001041	0.001918	0.001713	0.00176	0.001915	0.001751
Std. Dev.	0.0003941	0.0004039	0.0008215	0.0003941	0.0006601	0.0006494	0.0004083	0.0006107
Upper Lim.	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00011	6.3E-05	0.00032	0.00011	0.000595	0.00012	4.2E-05	0.000504

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I
9/6/2016			0.0117 (J)					
9/8/2016	0.0021 (J)	0.004 (J)		<0.05				
11/18/2016	<0.01							
11/21/2016		0.0039 (J)	0.0108 (J)	<0.05				
2/21/2017	<0.01							
2/22/2017		0.0043 (J)	0.0103 (J)	0.0023 (J)				
6/13/2017	0.0017 (J)							
6/14/2017		0.0036 (J)	0.0101 (J)	0.0022 (J)				
9/27/2017	0.0016 (J)	0.0038 (J)	0.0116 (J)	0.0021 (J)				
2/14/2018	0.0018 (J)	0.0034 (J)	0.0115 (J)	0.0023 (J)				
3/6/2018					0.0046 (J)	0.0031 (J)	0.0399 (J)	
5/1/2018					0.0049 (J)	0.0038 (J)	0.044 (J)	
6/27/2018	0.0016 (J)	0.0034 (J)		0.0023 (J)			0.044 (J)	
6/28/2018			0.013 (J)			0.0028 (J)		
7/31/2018						<0.25 (O)		
8/1/2018							0.039 (J)	
8/10/2018								0.0087 (J)
8/23/2018						0.0033 (J)	0.044 (J)	0.0089 (J)
9/19/2018						0.0033 (J)	0.043 (J)	0.005 (J)
10/29/2018						0.003 (J)	0.039 (J)	0.0048 (J)
11/28/2018						0.0035 (J)	0.044 (J)	0.0052 (J)
12/18/2018		0.0032 (J)	0.014 (J)					
12/19/2018				0.0018 (J)			0.043 (J)	
12/20/2018	0.0015 (J)					0.003 (J)		0.0042 (J)
1/17/2019								0.0039 (J)
2/13/2019								<0.05
8/27/2019			0.016 (J)	0.0022 (J)				
8/28/2019	0.0016 (J)	0.0033 (J)				0.0034 (J)	0.044 (J)	
8/29/2019								0.0052 (J)
10/16/2019		0.0029 (J)					0.038	0.0023 (J)
12/3/2019						0.0033 (J)		
12/4/2019	0.0014 (J)		0.013	0.0022 (J)				
3/4/2020	0.0014 (J)	0.0029 (J)					0.042	0.002 (J)
3/5/2020			0.016 (J)	0.0022 (J)		0.003 (J)		
8/19/2020	0.0014 (J)	0.0029 (J)	0.018 (J)	0.002 (J)				
8/20/2020						0.0034 (J)	0.044	0.0022 (J)
9/15/2020		0.003 (J)						
9/16/2020	0.0014 (J)		0.016 (J)	0.0022 (J)		0.0036 (J)	0.039	
9/17/2020								0.0058 (J)
3/2/2021						0.0043 (J)	0.044	
3/3/2021	0.0012 (J)	0.0032 (J)	0.014 (J)					
3/4/2021				0.002 (J)				0.003 (J)
9/23/2021						0.0023 (J)	0.042	
9/28/2021	0.0011 (J)	0.0029 (J)	0.023 (J)	0.0021 (J)	0.0048 (J)			0.0035 (J)
2/2/2022			0.021 (J)	0.0035 (J)	0.0058 (J)	0.0022 (J)	0.04	0.0041 (J)
2/3/2022		0.0026 (J)						
2/4/2022	0.001 (J)							
8/23/2022							0.0474	
8/24/2022		0.00304 (J)	0.0238					
8/25/2022	<0.01			0.0043 (J)	0.00652 (J)	<0.01		0.0162
1/24/2023				0.007 (J)				
1/25/2023	<0.01				0.00728 (J)	0.00333 (J)		0.0186

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I
1/26/2023		0.00331 (J)	0.0279				0.0506	
8/22/2023			0.0253	0.00392 (J)				
8/23/2023					0.0056 (J)			
8/24/2023	<0.01	0.00349 (J)				<0.01	0.0532	0.0131
1/30/2024			0.0305	0.00591 (J)	0.00537 (J)		0.0484	
1/31/2024	<0.01	0.00337 (J)						
2/1/2024						<0.01		0.0122
8/27/2024	<0.01	0.00305 (J)			0.00629 (J)			
8/28/2024			0.0295	0.00514 (J)			0.0436	0.00997 (J)
8/29/2024						<0.01		
2/18/2025							0.0456	
2/19/2025	<0.01	<0.01	0.0301	0.00514 (J)	0.00581 (J)	<0.01		0.0114
8/26/2025	<0.01	<0.01		0.00383 (J)		<0.01	0.0469	
8/27/2025			0.0314		0.0154			0.0154
Mean	0.004817	0.003459	0.01863	0.005071	0.006579	0.004984	0.04369	0.00829
Std. Dev.	0.004254	0.0006331	0.007431	0.006453	0.003032	0.003077	0.00374	0.006088
Upper Lim.	0.01	0.003758	0.02189	0.00514	0.00728	0.0043	0.0456	0.01044
Lower Lim.	0.0014	0.003124	0.0144	0.0021	0.0048	0.003	0.04178	0.004783

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-63I	PZ-68D	PZ-74I	PZ-75I
2/4/2022	0.007 (J)			
8/25/2022	0.00509 (J)			
1/30/2023	0.0066 (J)			
2/1/2023		0.00899 (J)		
6/6/2023			0.00704 (J)	
8/23/2023	0.00516 (J)	0.00399 (J)		
8/24/2023			0.00711 (J)	0.00579 (J)
2/1/2024	0.00557 (J)	0.00564 (J)	0.00702 (J)	0.00411 (J)
8/27/2024			0.00825 (J)	0.00433 (J)
8/29/2024	0.00651 (J)	0.00633 (J)		
2/18/2025			0.00692 (J)	0.00355 (J)
2/19/2025	0.00669 (J)	<0.01		
8/27/2025	0.00692 (J)	0.00448 (J)	0.00759 (J)	0.00373 (J)
Mean	0.006193	0.006572	0.007322	0.004302
Std. Dev.	0.0007896	0.002432	0.0005119	0.0008866
Upper Lim.	0.006973	0.008302	0.00825	0.005788
Lower Lim.	0.00538	0.00347	0.00692	0.002816

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	PZ-74I
9/6/2016				<0.0002		
9/8/2016	<0.0002	<0.0002	<0.0002		<0.0002	
11/17/2016	<0.0002					
11/18/2016		<0.0002				
11/21/2016			<0.0002	<0.0002	<0.0002	
2/21/2017	<0.0002	<0.0002				
2/22/2017			<0.0002	<0.0002	<0.0002	
6/13/2017	<0.0002	5E-05 (J)				
6/14/2017			7E-05 (J)	7E-05 (J)	9E-05 (J)	
9/27/2017	4E-05 (J)	4.7E-05 (J)	4E-05 (J)	4E-05 (J)	0.0001 (J)	
2/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
6/26/2018	<0.0002					
6/27/2018		<0.0002	<0.0002		<0.0002	
6/28/2018				<0.0002		
12/18/2018	<0.0002		<0.0002	<0.0002		
12/19/2018					<0.0002	
12/20/2018		<0.0002				
8/27/2019	<0.0002			<0.0002	<0.0002	
8/28/2019		<0.0002	<0.0002			
8/19/2020	8.3E-05 (J)	<0.0002	9.8E-05 (J)	8.2E-05 (J)	8.2E-05 (J)	
9/15/2020	<0.0002		<0.0002			
9/16/2020		<0.0002		<0.0002	<0.0002	
3/2/2021	<0.0002					
3/3/2021		<0.0002	<0.0002	<0.0002		
3/4/2021					<0.0002	
9/28/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/2/2022	<0.0002			<0.0002	<0.0002	
2/3/2022			<0.0002			
2/4/2022		<0.0002				
8/23/2022	<0.0002					
8/24/2022			<0.0002	<0.0002		
8/25/2022		<0.0002			<0.0002	
1/24/2023					<0.0002	
1/25/2023		<0.0002				
1/26/2023	<0.0002		<0.0002	<0.0002		
6/6/2023						<0.0002
8/22/2023				<0.0002	<0.0002	
8/24/2023	<0.0002	<0.0002	<0.0002			<0.0002
1/30/2024				<0.0002	<0.0002	
1/31/2024	<0.0002	<0.0002	0.00078			
2/1/2024						<0.0002
8/27/2024		<0.0002	<0.0002			<0.0002
8/28/2024				<0.0002	<0.0002	
8/29/2024	<0.0002					
2/18/2025						0.000121 (J)
2/19/2025	<0.0002	<0.0002	0.000384	<0.0002	<0.0002	
8/26/2025		<0.0002	<0.0002		<0.0002	
8/27/2025				<0.0002		<0.0002
8/28/2025	<0.0002					
Mean	0.0001868	0.0001856	0.0002177	0.0001806	0.0001844	0.0001868
Std. Dev.	4.221E-05	4.557E-05	0.0001443	4.924E-05	3.931E-05	3.225E-05
Upper Lim.	0.0002	0.0002	0.000384	0.0002	0.0002	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	PZ-74I
Lower Lim.	8.3E-05	5E-05	9.8E-05	8.2E-05	0.0001	0.000121

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-30I	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I	PZ-68D
9/6/2016			<0.01					
9/8/2016	<0.01	<0.001						
11/17/2016	<0.01							
11/18/2016		<0.001						
11/21/2016			<0.01					
2/21/2017	<0.01	<0.001						
2/22/2017			<0.01					
6/13/2017	<0.01	<0.001						
6/14/2017			<0.01					
9/27/2017	<0.01	<0.001	<0.01					
2/14/2018	<0.01	<0.001	<0.01					
3/6/2018				<0.001	<0.01			
5/1/2018				<0.001	<0.01			
6/26/2018	<0.01							
6/27/2018		<0.001			<0.01			
6/28/2018			<0.01	<0.001				
7/31/2018				<0.001				
8/1/2018					<0.01			
8/10/2018						0.0032 (J)		
8/23/2018				<0.001	<0.01	0.005 (J)		
9/19/2018				<0.001	<0.01	0.0061 (J)		
10/29/2018				<0.001	<0.01	0.0065 (J)		
11/28/2018				<0.001	<0.01	0.0027 (J)		
12/18/2018	<0.01		<0.01					
12/19/2018					<0.01			
12/20/2018		<0.001		<0.001		<0.01		
1/17/2019						<0.01		
2/13/2019						<0.01		
8/27/2019	<0.01		<0.01					
8/28/2019		<0.001		<0.001	<0.01			
8/29/2019						<0.01		
10/15/2019	<0.01							
10/16/2019					<0.01	<0.01		
12/3/2019				<0.001				
12/4/2019		<0.001	<0.01					
8/19/2020	0.00081 (J)	<0.001	0.00078 (J)					
8/20/2020				0.00076 (J)	<0.01	0.0012 (J)		
9/15/2020	0.0008 (J)							
9/16/2020		<0.001	0.0022 (J)	<0.001	<0.01			
9/17/2020						0.0007 (J)		
3/2/2021	0.001 (J)			<0.001	<0.01			
3/3/2021		<0.001	<0.01					
3/4/2021						0.001 (J)		
9/23/2021				<0.001	<0.01			
9/28/2021	0.00089 (J)	<0.001	0.001 (J)			<0.01		
2/2/2022	0.0011 (J)		0.0012 (J)	<0.001	<0.01	<0.01		
2/4/2022		<0.001					0.00092 (J)	
8/23/2022	0.00105				0.000296 (J)			
8/24/2022			0.00141					
8/25/2022		<0.001		0.000424 (J)		0.000471 (J)	0.000741 (J)	
1/25/2023		<0.001		0.000545 (J)		0.000609 (J)		
1/26/2023	0.00092 (J)		0.0014		0.00027 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-30I	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I	PZ-68D
1/30/2023							0.000803 (J)	
2/1/2023								0.0111
8/22/2023			0.00111					
8/23/2023							0.000539 (J)	0.00625
8/24/2023	0.00141	<0.001		0.000356 (J)	0.000296 (J)	0.000782 (J)		
1/30/2024			0.00137		0.00028 (J)			
1/31/2024	0.0014	0.000213 (J)						
2/1/2024				<0.001		0.000564 (J)	0.0007 (J)	0.00598
8/27/2024		0.000211 (J)						
8/28/2024			0.00123		0.000252 (J)	0.000691 (J)		
8/29/2024	0.00123			0.000207 (J)			0.000827 (J)	0.00702
2/18/2025					0.000295 (J)			
2/19/2025	0.00082 (J)	<0.001	0.00128	0.000261 (J)		0.000826 (J)	0.000765 (J)	0.00612
8/26/2025		0.000512 (J)		<0.001	0.000245 (J)			
8/27/2025			0.00119			0.000863 (J)	0.000704 (J)	0.00499
8/28/2025	0.00143							
Mean	0.00513	0.0009062	0.005644	0.0008501	0.007041	0.0046	0.0007499	0.00691
Std. Dev.	0.004554	0.0002475	0.004465	0.0002755	0.004575	0.004156	0.0001115	0.002153
Upper Lim.	0.01	0.001	0.01	0.001	0.01	0.01	0.0008681	0.009707
Lower Lim.	0.001	0.000512	0.00123	0.00076	0.000296	0.000782	0.0006317	0.004598

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-74I
6/6/2023	0.00276
8/24/2023	0.000597 (J)
2/1/2024	<0.001
8/27/2024	<0.001
2/18/2025	<0.001
8/27/2025	<0.001
Mean	0.001226
Std. Dev.	0.0007685
Upper Lim.	0.00276
Lower Lim.	0.000597

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/6/2016				<0.005				
9/8/2016	<0.005	0.0043 (J)	0.0039 (J)		<0.01			
11/17/2016	<0.005							
11/18/2016		0.0047 (J)						
11/21/2016			0.0058 (J)	<0.005	<0.01			
2/21/2017	<0.005	0.0025 (J)						
2/22/2017			0.005 (J)	<0.005	0.0017 (J)			
6/13/2017	<0.005	0.0036 (J)						
6/14/2017			0.0074 (J)	0.0045 (J)	<0.01			
9/27/2017	<0.005	0.004 (J)	0.0068 (J)	0.0034 (J)	0.0019 (J)			
2/14/2018	<0.005	<0.005	<0.005	<0.005	<0.01			
3/6/2018						<0.005	<0.005	<0.005
5/1/2018						<0.005	<0.005	<0.005
6/26/2018	<0.005							
6/27/2018		0.0014 (J)	<0.005		0.0017 (J)			<0.005
6/28/2018				<0.005			<0.005	
7/31/2018							<0.005	
8/1/2018								0.0015 (J)
8/23/2018							<0.005	0.0024 (J)
9/19/2018							<0.005	0.002 (J)
10/29/2018							<0.005	<0.005
11/28/2018							<0.005	<0.005
12/18/2018	<0.005		<0.005	<0.005				
12/19/2018					0.0059 (J)			<0.005
12/20/2018		<0.005					<0.005	
8/27/2019	<0.005			0.0038 (J)	0.057			
8/28/2019		0.0017 (J)	<0.005				<0.005	<0.005
10/15/2019	<0.005							
10/16/2019			<0.005					0.0017 (J)
12/3/2019							0.0029 (J)	
12/4/2019		0.0036 (J)		0.0018 (J)	0.1			
3/4/2020	<0.005	0.0022 (J)	0.0018 (J)					<0.005
3/5/2020				<0.005	0.1		<0.005	
5/12/2020					0.0989			
8/19/2020	<0.005	<0.005	<0.005	<0.005	0.099			
8/20/2020							<0.005	0.0016 (J)
9/15/2020	<0.005		<0.005					
9/16/2020		0.0042 (J)		<0.005	0.12		<0.005	0.002 (J)
3/2/2021	0.0021 (J)						<0.005	0.0028 (J)
3/3/2021		0.0031 (J)	0.0042 (J)	<0.005				
3/4/2021					0.14			
9/23/2021							<0.005	<0.005
9/28/2021	<0.005	<0.005	0.0022 (J)	<0.005	0.13	<0.005		
2/2/2022	<0.005			<0.005	0.21	<0.005	<0.005	<0.005
2/3/2022			<0.005					
2/4/2022		<0.005						
8/23/2022	<0.005							<0.005
8/24/2022			<0.005	<0.005				
8/25/2022		<0.005			0.218	<0.005	<0.005	
1/24/2023					0.198			
1/25/2023		<0.005				<0.005	<0.005	
1/26/2023	<0.005		<0.005	<0.005				<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
5/30/2023					0.189			
8/22/2023				<0.005	0.21			
8/23/2023						<0.005		
8/24/2023	<0.005	<0.005	<0.005				<0.005	<0.005
1/30/2024				<0.005	0.17	<0.005		<0.005
1/31/2024	<0.005	<0.005	0.00229 (J)					
2/1/2024							<0.005	
8/27/2024		<0.005	<0.005			<0.005		
8/28/2024				<0.005	0.0945			<0.005
8/29/2024	<0.005						<0.005	
2/18/2025								<0.005
2/19/2025	0.00217 (J)	0.00309 (J)	0.0045 (J)	0.00316 (J)	0.0782	0.00202 (J)	0.00237 (J)	
8/26/2025		0.00256 (J)	0.00465 (J)		0.0694		<0.005	0.00175 (J)
8/27/2025				<0.005		<0.005		
8/28/2025	<0.005							
Mean	0.004751	0.003954	0.004719	0.004637	0.1342	0.004729	0.004803	0.00399
Std. Dev.	0.0008255	0.001209	0.00127	0.0008216	0.05409	0.0008985	0.0006723	0.00148
Upper Lim.	0.005	0.005	0.005	0.005	0.1681	0.005	0.005	0.005
Lower Lim.	0.00217	0.00309	0.0045	0.0045	0.1003	0.005	0.0029	0.0024

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I	PZ-75I
8/10/2018	<0.005				
8/23/2018	<0.005				
9/19/2018	<0.005				
10/29/2018	<0.005				
11/28/2018	<0.005				
12/20/2018	<0.005				
1/17/2019	<0.005				
2/13/2019	<0.005				
8/29/2019	<0.005				
10/16/2019	<0.005				
3/4/2020	<0.005				
8/20/2020	<0.005				
9/17/2020	<0.005				
3/4/2021	<0.005				
9/28/2021	<0.005				
2/2/2022	<0.005				
2/4/2022		<0.005			
8/25/2022	<0.005	<0.005			
1/25/2023	<0.005				
1/30/2023		<0.005			
2/1/2023			<0.005		
6/6/2023				0.0237	
7/5/2023					0.0732
8/23/2023		<0.005	<0.005		
8/24/2023	<0.005			0.0423	0.0696
2/1/2024	<0.005	<0.005	<0.005	0.0489	0.0954
8/27/2024				0.0597	0.106
8/28/2024	<0.005				
8/29/2024		<0.005	<0.005		
2/18/2025				0.0622	0.122
2/19/2025	0.00198 (J)	0.00262 (J)	0.00205 (J)		
8/27/2025	<0.005	<0.005	<0.005	0.0696	0.128
Mean	0.004869	0.004702	0.004508	0.05107	0.09903
Std. Dev.	0.0006297	0.0008415	0.001204	0.01657	0.02434
Upper Lim.	0.005	0.005	0.005	0.07383	0.1325
Lower Lim.	0.00198	0.00262	0.00205	0.02831	0.0656

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/23/2025 2:30 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I
9/8/2016	<0.002
11/21/2016	0.0002 (J)
2/22/2017	0.0002 (J)
6/14/2017	0.0002 (J)
9/27/2017	0.0002 (J)
2/14/2018	0.00018 (J)
6/27/2018	0.00017 (J)
12/18/2018	0.00017 (J)
8/28/2019	0.00017 (J)
10/16/2019	0.00017 (J)
3/4/2020	0.00016 (J)
8/19/2020	0.00016 (J)
9/15/2020	0.00016 (J)
3/3/2021	0.00018 (J)
9/28/2021	<0.002
2/3/2022	<0.002
8/24/2022	<0.002
1/26/2023	<0.002
8/24/2023	<0.002
1/31/2024	<0.002
8/27/2024	<0.002
2/19/2025	<0.002
8/26/2025	<0.002
Mean	0.0009704
Std. Dev.	0.0009234
Upper Lim.	0.002
Lower Lim.	0.00017

ND substitution: RL or RL/2 if <15% NDs.

FIGURE J.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/27/2025, 1:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
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-23S (bg)**	**-0.0004011**	**-127**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.006025**	**26**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**BRGWC-32S**	**0.02673**	**147**	**85**	**Yes**	**25**	**16**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02857**	**13**	**12**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

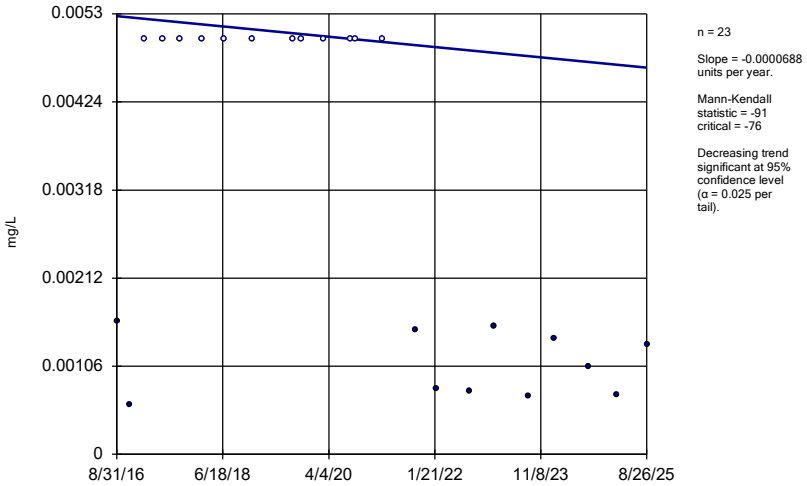
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 10/27/2025, 1:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
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)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0004011**	**-127**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.006025**	**26**	**17**	**Yes**	**8**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	BRGWA-2I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-2S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5I (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-6S (bg)	0	0	76	No	23	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-23S (bg)	0	-6	-76	No	23	43.48	n/a	n/a	0.05	NP
Selenium (mg/L)	**BRGWC-32S**	**0.02673**	**147**	**85**	**Yes**	**25**	**16**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02857**	**13**	**12**	**Yes**	**6**	**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 = -0.0000688 units per year.

Mann-Kendall statistic = -91
critical = -76

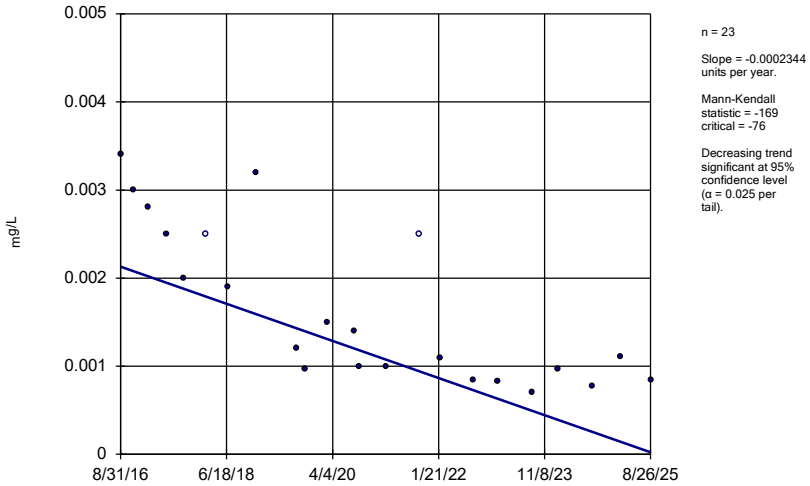
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

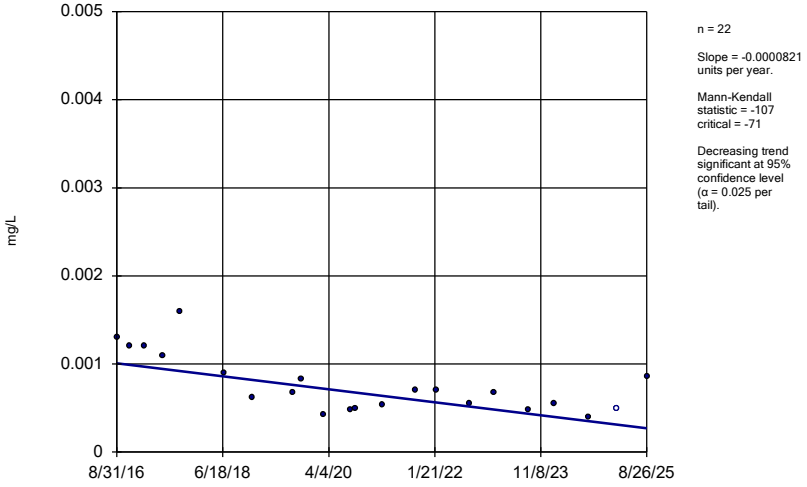
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

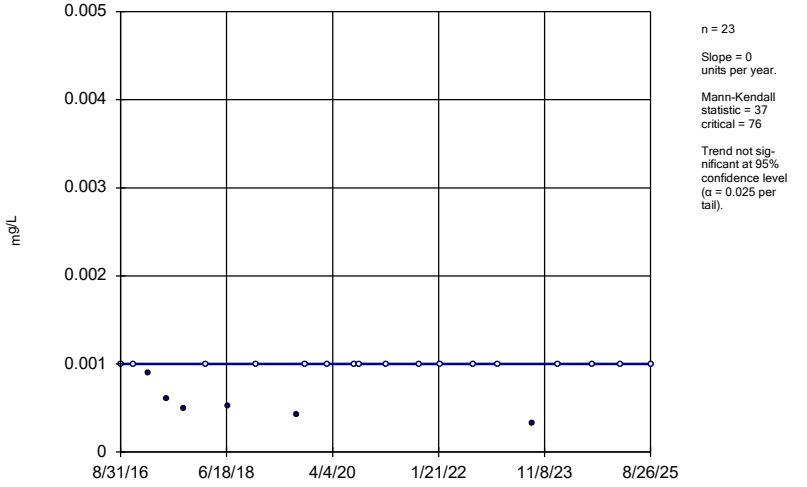
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

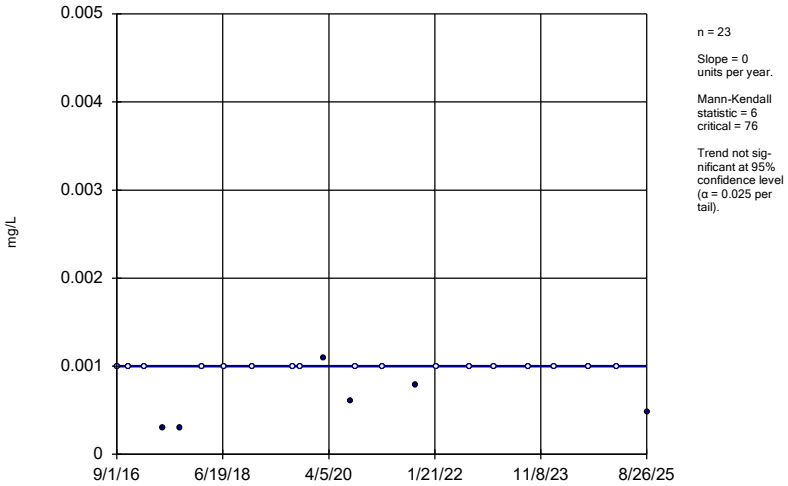
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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

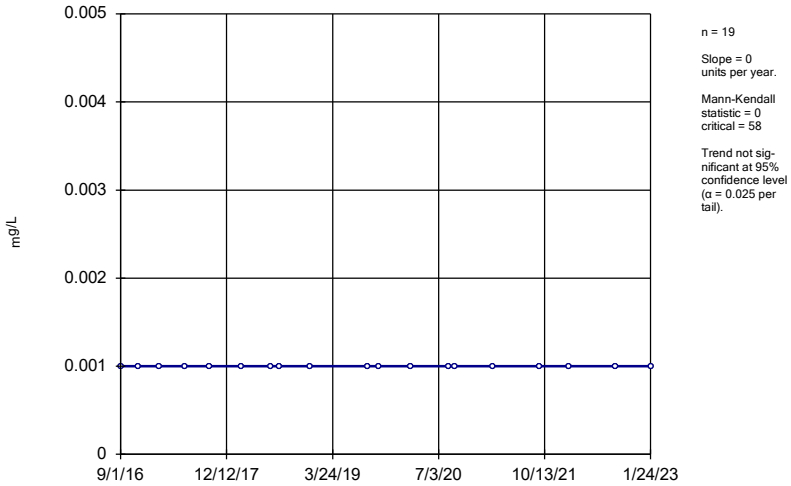
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

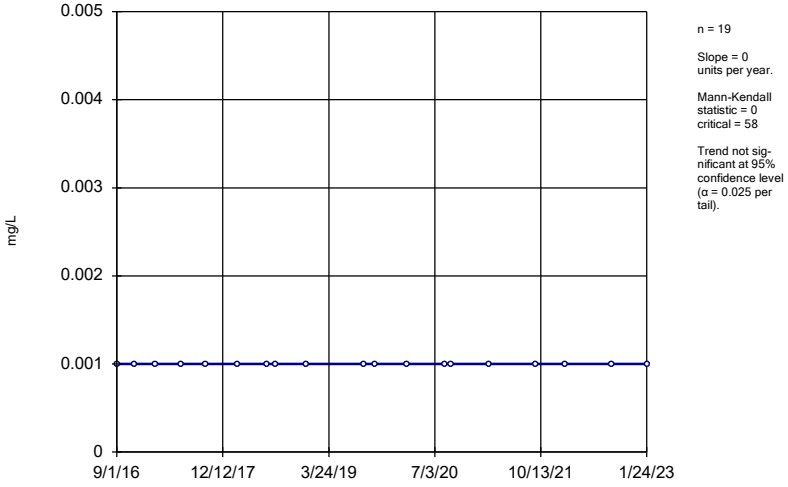
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 58

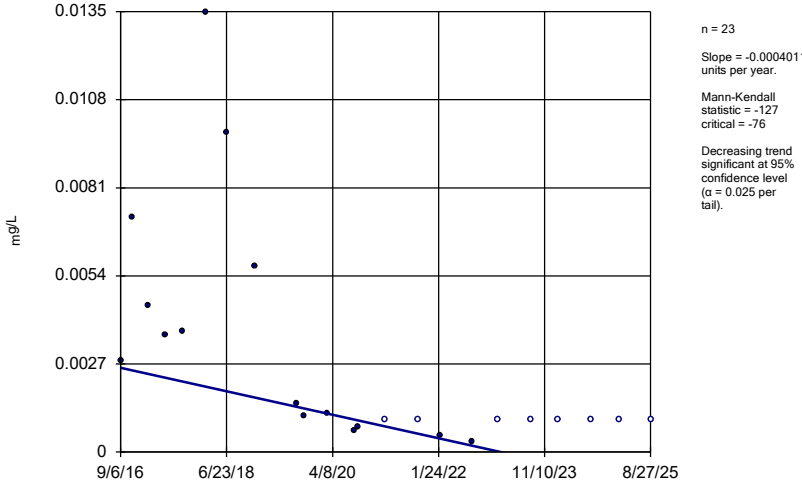
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -0.0004011 units per year.

Mann-Kendall statistic = -127
critical = -76

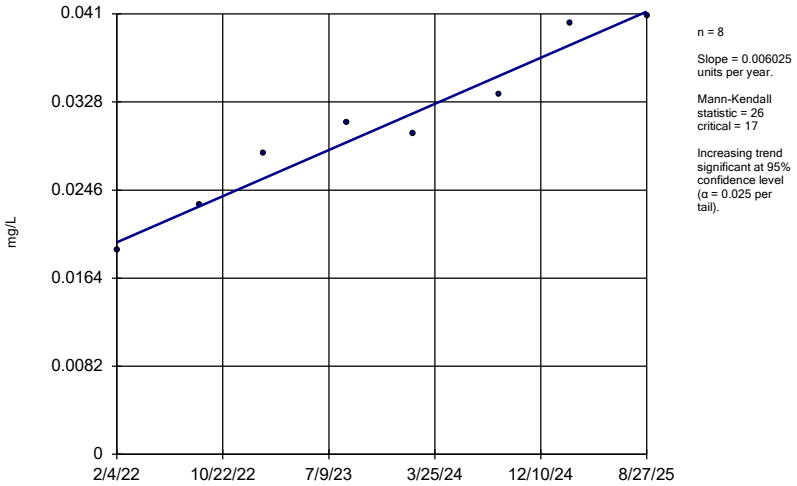
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



Constituent: Cobalt Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests

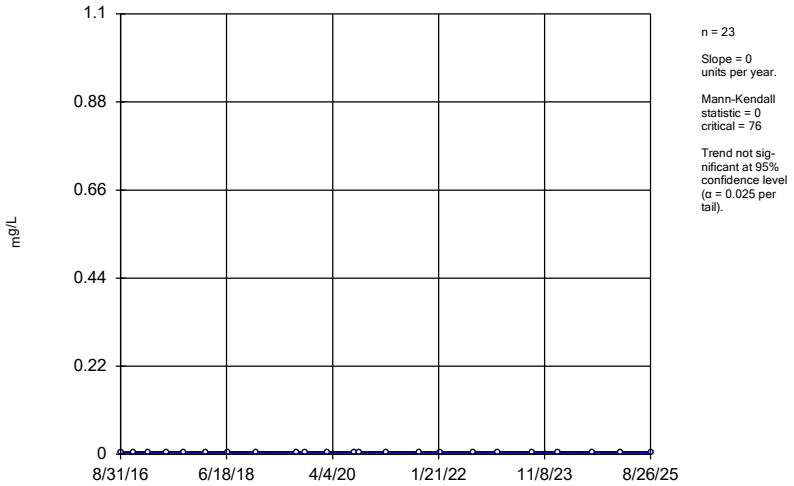
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests

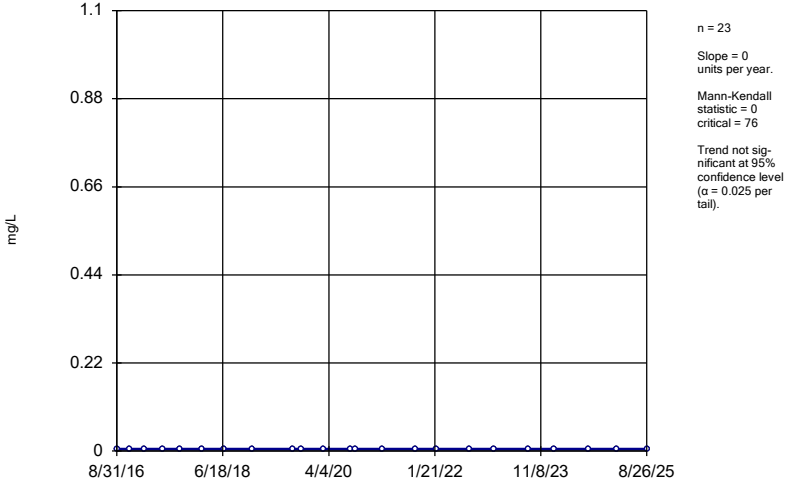
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests

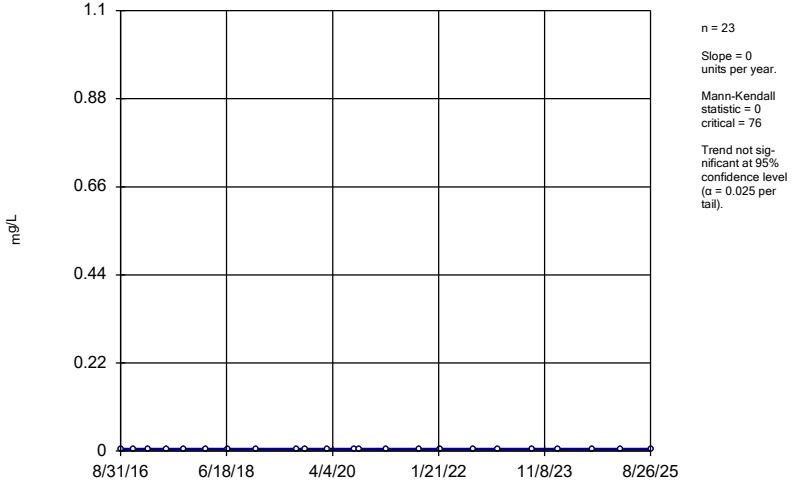
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



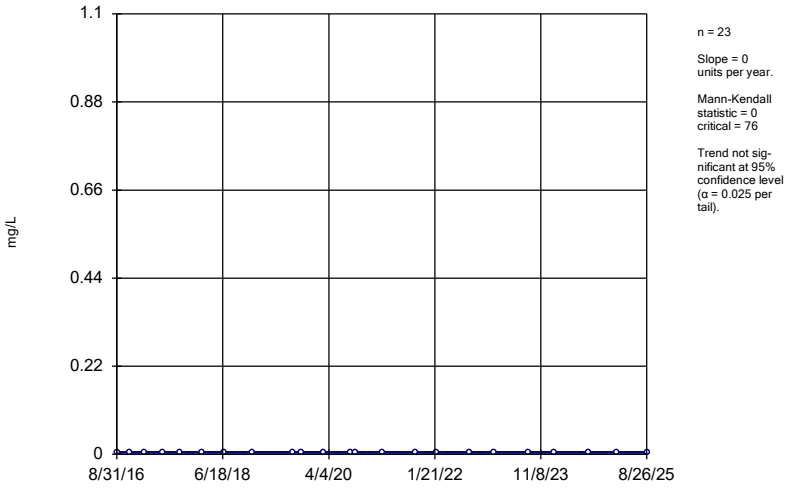
Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 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

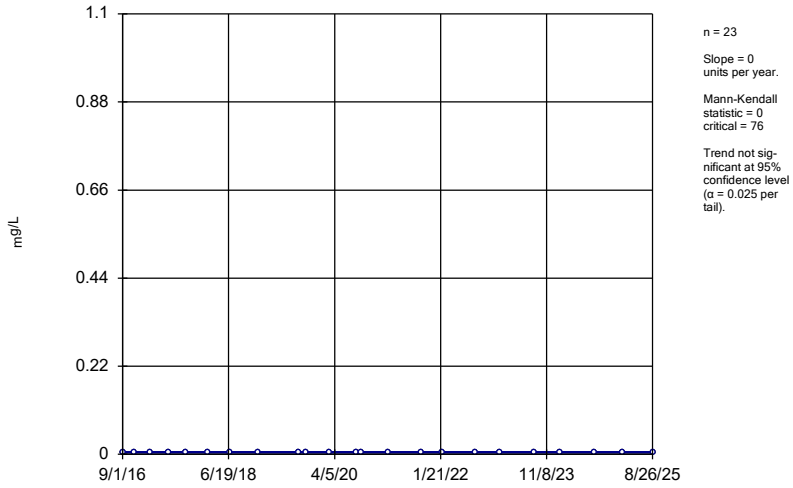
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 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

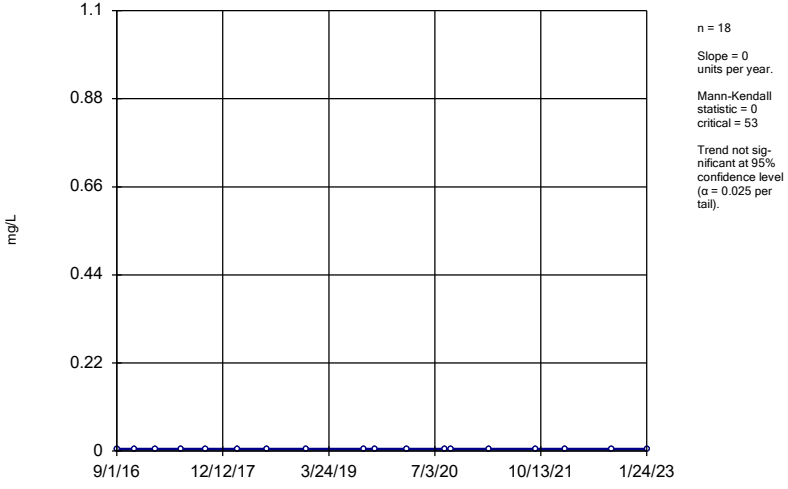
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 53

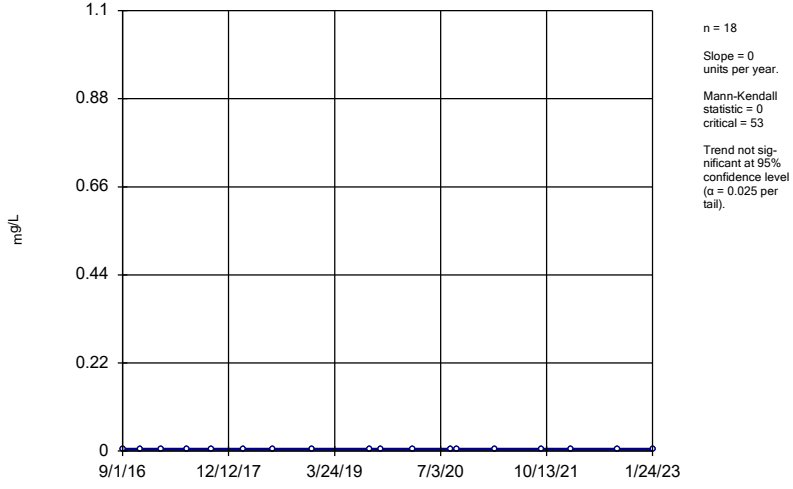
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 53

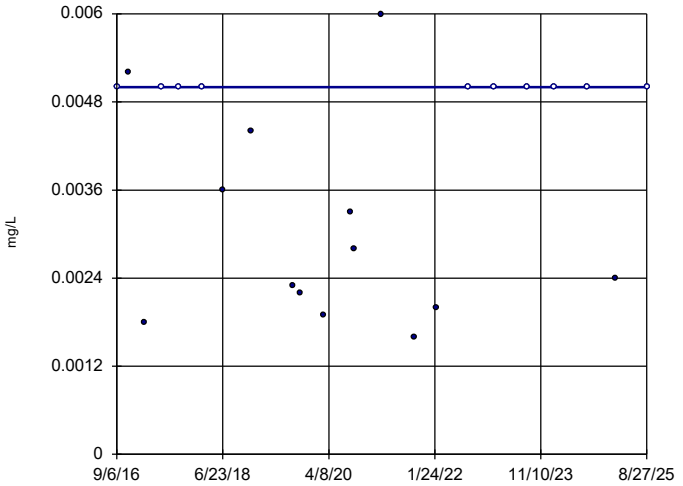
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -6
critical = -76

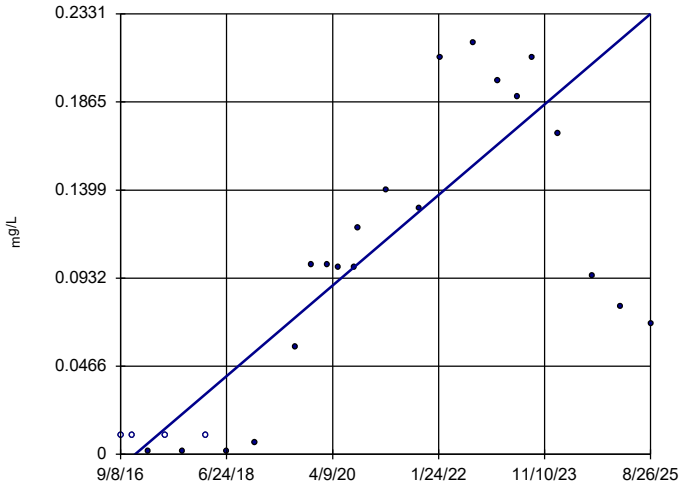
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWC-32S



n = 25

Slope = 0.02673 units per year.

Mann-Kendall statistic = 147
critical = 85

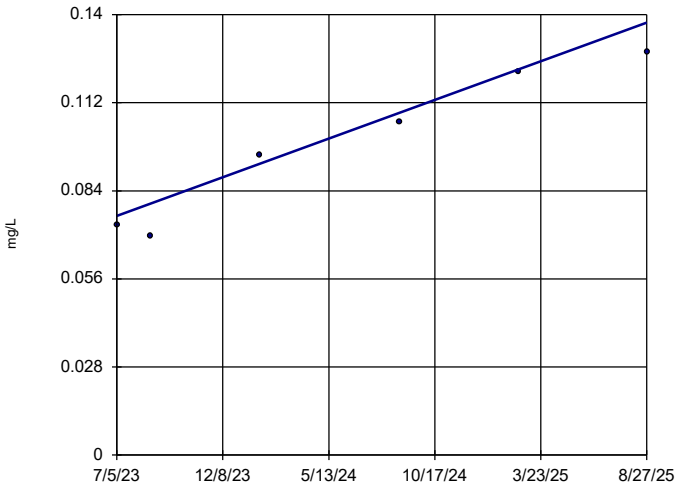
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.02 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-75I



n = 6

Slope = 0.02857 units per year.

Mann-Kendall statistic = 13
critical = 12

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

Constituent: Selenium Analysis Run 10/27/2025 1:52 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

GROUNDWATER STATS CONSULTING

July 31, 2026

Southern Company Services
Attn: Mr. Chris Tidwell
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Branch Ponds B, C, D – Background Update & February 2026 Statistical Analysis

Dear Mr. Tidwell,

Groundwater Stats Consulting (GSC), formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2026 Semi-Annual Groundwater Detection and Assessment Monitoring background update, and the statistical analysis of groundwater data for Georgia Power Company's Plant Branch Ponds B, C, and D. 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). The site is in Assessment Monitoring.

Sampling began for Appendix III and IV parameters in 2016 for most wells. However, sampling for wells BRGWC-45, BRGWC-47, and BRGWC-52I began in 2018. Semi-annual sampling of the majority of constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations.

The current monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** BRGWA-2I, BRGWA-2S, BRGWA-5I, BRGWA-5S, BRGWA-6S, and BRGWA-23S
- **Downgradient wells:** BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I, PZ-80, and PZ-81
- **Assessment wells:** PZ-68D, PZ-74I, and PZ-75I

Previously, the monitoring well network included upgradient wells BRGWA-12I and BRGWA-12S and several assessment wells which have since been abandoned. While those assessment wells are no longer included in the statistical analysis per request of Geosyntec Consultants, Inc., data from upgradient wells BRGWA-12I and BRGWA-12S will continue to be included in construction of interwell prediction limits and interwell upper tolerance limits since the data represent historical groundwater quality upgradient of the facility. An exception for antimony at upgradient well BRGWA-12I in establishing Groundwater Protection Standards (GWPS) is discussed below.

Data from assessment wells PZ-74I and PZ-75I, which were first sampled in September 2023, have at least 4 samples; therefore, data from these wells are plotted on time series and box plots, and are evaluated with confidence intervals for Appendix IV constituents. Downgradient wells BRGWC-44 (formerly well PZ-44) and PZ-63I were previously designated as assessment wells and have been reclassified. Data from these wells are analyzed for all Appendix III constituents and Appendix IV constituents using interwell prediction limits and confidence intervals, respectively. Data from downgradient wells PZ-80 and PZ-81 are plotted on time series and box plots and will be evaluated with prediction limits and confidence intervals when at least 8 observations have been collected.

Data were sent electronically to GSC, and the statistical analysis was reviewed by Andrew Collins, Project Manager of GSC.

The Coal Combustion Residuals (CCR) 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). Assessment well data are included on the time series graphs and are evaluated using confidence intervals when a minimum of

4 samples is available as discussed above. 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:

Based on the earlier evaluation described above, the following method was selected:

- Interwell prediction limits combined with a 1-of-2 resample plan for all Appendix III constituents: boron, calcium, chloride, fluoride, pH, sulfate, and TDS.
- Confidence intervals compared to Groundwater Protection Standards (GWPS) for all Appendix IV constituents: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits for Detection monitoring (or tolerance limits or confidence intervals for Assessment monitoring as discussed later) 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 parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric parametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009).

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the 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 screening for any new outliers. In some cases, the earlier portion of data may require deselection 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.

For Appendix III parameters, compliance is determined by comparing the most recent observation to a background prediction limit. The corresponding trend tests for evaluating prediction limit exceedances of Appendix III parameters are performed at the 99% confidence level to provide a high level of confidence against false positives. For Appendix IV Assessment Monitoring parameters, however, compliance is assessed by comparing a full (or truncated) period of record to a GWPS using a confidence interval. The corresponding trend tests for evaluating confidence interval exceedances of Appendix IV constituents are performed at the 95% confidence level to provide greater capability of identifying potential trends than the 99% confidence level. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells.

Summary of Background Screening – Conducted in March 2019

Outlier Analysis

Time series plots were used to identify suspected outliers or 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. Although outliers are screened for all wells, only outliers in upgradient wells will affect the interwell prediction limits. The current list of outliers includes a few additional measurements that were not flagged as outliers in the previous background screening list for Appendix III parameters.

When suspected outliers were evaluated using the Tukey box plot method during the previous screening, several 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, the measurements 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 Tests

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 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, included with the background screening report, showed a number of statistically significant decreasing trends for the Appendix III parameters. All trends noted were relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to the data sets at that time.

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.

Summary of Background Update – Conducted in March 2026

Outlier Analysis

Time series plots were used to identify suspected outliers, or values that would result in limits that are not representative of the current background data population. Suspected outliers at upgradient wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. When the most recent value is identified as an outlier, values are often not flagged in the database at this time as the measurements may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected.

Tukey's outlier test on pooled upgradient well data identified values for barium, boron, calcium, chloride, combined radium 226 + 228, fluoride, sulfate, and TDS (Figure C). Any values identified by Tukey's, but not flagged in the database, appeared representative of remaining concentrations among pooled upgradient data or, in some cases for Appendix IV parameters, were below their respective regulatory standard (such as a Maximum Containment Level (MCL)). Previously flagged values among upgradient wells were confirmed using the Tukey's outlier test and visual screening with time series plots. Note that previously flagged outliers for Appendix III constituents in downgradient wells were unflagged as they no bearing on interwell prediction limits which are constructed from pooled upgradient well data. No additional measurements were flagged as outliers. When any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each upgradient well to identify statistically significant increasing or

decreasing trends at 99% for Appendix III parameters and at 95% for Appendix IV parameters (Figure D). In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The following statistically significant trends were identified at upgradient wells:

Appendix III

Increasing

- Calcium: BRGWA-2S, BRGWA-5I, and BRGWA-6S

Decreasing

- Calcium: BRGWA-5S and BRGWA-23S
- Chloride: BRGWA-5S, BRGWA-12I, and BRGWA-23S
- pH: BRGWA-2S, BRGWA-2I, and BRGWA-5S
- Sulfate: BRGWA-2I, BRGWA-5S, BRGWA-12S, BRGWA-12I, and BRGWA-23S
- TDS: BRGWA-2I, BRGWA-5S, and BRGWA-23S

Appendix IV

Increasing

- Antimony: BRGWA-12I
- Barium: BRGWA-2S, BRGWA-6S, and BRGWA-12S
- Chromium: BRGWA-2S, BRGWA-5S, BRGWA-12I, and BRGWA-12S
- Combined Radium: BRGWA-2S, BRGWA-5I, BRGWA-6S, and BRGWA-23S
- Fluoride: BRGWA-12S
- Lithium: BRGWA-6S

Decreasing

- Barium: BRGWA-2I, BRGWA-5S, and BRGWA-23S
- Chromium: BRGWA-6S
- Cobalt: BRGWA-2I, BRGWA-2S, BRGWA-5I, and BRGWA-23S
- Lithium: BRGWA-2I
- Molybdenum: BRGWA-2I, BRGWA-5I, and BRGWA-23S

Note that in the case of fluoride at upgradient well BRGWA-12S and molybdenum at well BRGWA-23S, the statistically significant trends indicate a zero slope, which represents the median slope of all possible pairwise slopes within these records. The zero slope is a result of several trace values below the current reporting limit and reported non-detect measurements replaced with the same value of the most recent reporting limit.

While identifying statistically significant trends in upgradient wells is useful for understanding and characterization of upgradient background groundwater quality, truncation of the records to remove the trend may be appropriate when the trend would result in statistical limits that are not representative of upgradient groundwater quality and/or not able to detect downgradient changes that result from the facility. Deselecting data at upgradient wells is done with caution as similar observations may be observed at one or more downgradient wells depending on transport times.

Although the results of the trend analyses showed statistically significant decreasing and increasing trends at individual upgradient wells for Appendix III and IV parameters, well/constituent pairs with statistically significant trends did not require truncation because reported concentrations were similar to those reported in other upgradient wells or to other observations within the respective record. Therefore, truncating earlier measurements in an individual upgradient well would have no bearing on resulting statistical limits that are constructed using pooled upgradient well data. Additionally, concentrations for some well/constituent pairs identified with statistically significant trends were below respective regulatory standards (such as a MCL for Appendix IV parameters). If the observed statistically significant trends persist over a longer time frame and influence resulting statistical limits, some records may require truncation.

Note that while concentrations were above the MCL for antimony at upgradient well BRGWA-12I, this well was last sampled in January 2023 and has since been abandoned. Therefore, the MCL was used in lieu of the background limit as the GWPS as discussed below for antimony since all measurements for antimony at neighboring upgradient wells are less than the MCL of 0.006 mg/L.

Regarding the statistically significant decreasing trends for cobalt in upgradient well BRGWA-23S and lithium in upgradient well BRGWA-2I, studies conducted by Geosyntec Consultants and included in the Appendix of this report demonstrate that earlier reported measurements for each of these well/constituent pairs are representative of groundwater quality conditions upgradient of the site and similar concentrations may be observed in future samples at one or more downgradient wells. Therefore, these measurements were used in construction of statistical limits.

Evaluation of Appendix III Parameters – February 2026

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2026 (Figure E). Background (upgradient) well data were reassessed for potential outliers during this analysis. Previously flagged measurements were confirmed, and no new values were flagged. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. As mentioned above, data from abandoned upgradient wells BRGWA-12I and BRGWA-12S are included in calculations for interwell prediction limits. The February 2026 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 a false positive result; therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Prediction limit exceedances were noted for several Appendix III parameters. Exceedances were identified for the following well/constituent pairs:

- Boron: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I, and PZ-63I
- Calcium: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I
- Chloride: BRGWC-25I, BRGWC-29I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-52I, and PZ-63I
- pH (lower limit): BRGWC-29I and PZ-63I
- Sulfate: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I
- TDS: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I

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 to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (Figure F). 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. A summary of the trend test results follows this letter, and statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Boron: BRGWC-47
- Calcium: BRGWA-2S, BRGWA-5I, BRGWA-6S (all upgradient), BRGWC-30I, and PZ-63I
- Chloride: PZ-63I
- Sulfate: BRGWC-30I and PZ-63I
- TDS: BRGWC-30I and PZ-63I

Decreasing

- Boron: BRGWC-29I, BRGWC-32S, and BRGWC-44
- Calcium: BRGWA-5S, BRGWA-23S (both upgradient), BRGWC-27I, and BRGWC-32S
- Chloride: BRGWA-5S, BRGWA-12I, BRGWA-23S (all upgradient), BRGWC-32S, and BRGWC-45
- pH: BRGWA-2I, BRGWA-2S, and BRGWA-5S (all upgradient)
- Sulfate: BRGWA-2I, BRGWA-5S, BRGWA-12I, BRGWA-12S, BRGWA-23S (all upgradient), BRGWC-25I, BRGWC-27I, BRGWC-32S, and BRGWC-47
- TDS: BRGWA-2I, BRGWA-5S, BRGWA-23S (all upgradient), BRGWC-27I, and BRGWC-32S

Evaluation of Appendix IV Parameters – February 2026

For Appendix IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding GWPS. GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. Previously flagged measurements were confirmed, and no additional values were flagged. 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 February 2026 for Appendix IV constituents (Figure G). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution, such as for combined radium 226 + 228. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed using the highest background measurement. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure H). As mentioned above, due to the steady increase in concentrations for antimony at upgradient well BRGWA-12I, the MCL was used in lieu of the background limit for antimony to maintain a GWPS that is conservative from a regulatory perspective. All concentrations for antimony among neighboring upgradient wells are less than the MCL of 0.006 mg/L.

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for Appendix IV constituents in each downgradient with a minimum of 8 samples and assessment wells with a minimum of 4 samples. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the highest and lowest values in background as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above.

When evaluating the entire record of data for selenium at downgradient well BRGWC-32S, an increasing trend in concentrations was noted. Therefore, the record was truncated so that the confidence interval evaluates stable and non-trending data since 2019 for this well/constituent pair (USEPA Unified Guidance, 2009, Chapter 7). Trend tests using both the full and truncated record for selenium at downgradient well BRGWC-32S follow this report (Figure I). Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If an exceedance of the GWPS is noted, a statistically significant level (SSL) exceedance is identified. A summary of the confidence interval results follows this letter (Figure J). Statistical exceedances were identified for the following well/constituent pairs:

- Cobalt: PZ-63I
- Selenium: BRGWC-32S and PZ-75I

Note that an Alternate Source Demonstration (ASD) has, reportedly, been performed for cobalt at well PZ-63I.

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure K). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the

site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Cobalt: PZ-63I
- Selenium: BRGWC-32S and PZ-75I

Decreasing

- Cobalt: BRGWA-2I, BRGWA-2S, BRGWA-5I, and BRGWA-23S (all upgradient)

Summary

Observations from the February 2026 sample event at Branch Pond B, C, D were compared to established interwell prediction limits for all Appendix III constituents. Exceedances were identified for the following well/constituent pairs:

- Boron: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I, and PZ-63I
- Calcium: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I
- Chloride: BRGWC-25I, BRGWC-29I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-52I, and PZ-63I
- pH (lower limit): BRGWC-29I and PZ-63I
- Sulfate: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I
- TDS: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I, and PZ-63I

When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, the following exceedances were identified:

- Cobalt: PZ-63I
- Selenium: BRGWC-32S and PZ-75I

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Branch Ponds B, C, D. 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 4/8/2026 2:17 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Antimony (mg/L)
BRGWC-25I, BRGWC-27I, BRGWC-44, PZ-63I, PZ-74I, PZ-75I

Arsenic (mg/L)
PZ-63I, PZ-74I, PZ-75I

Beryllium (mg/L)
BRGWC-25I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-52I, PZ-68D, PZ-74I, PZ-75I

Cadmium (mg/L)
BRGWC-25I, BRGWC-29I, BRGWC-44, BRGWC-52I, PZ-68D, PZ-74I, PZ-75I

Chromium (mg/L)
BRGWC-44, PZ-63I, PZ-68D, PZ-74I, PZ-75I

Lead (mg/L)
BRGWC-32S, BRGWC-44, PZ-63I, PZ-74I, PZ-75I

Lithium (mg/L)
BRGWC-25I

Mercury (mg/L)
BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I, PZ-68D, PZ-75I

Molybdenum (mg/L)
BRGWC-29I, BRGWC-32S, BRGWC-44, PZ-75I

Thallium (mg/L)
BRGWC-25I, BRGWC-27I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47, BRGWC-52I, PZ-63I, PZ-68D, PZ-74I, PZ-75I

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Date Ranges

Date: 4/8/2026 12:02 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Selenium (mg/L)

BRGWC-32S overall:8/27/2019-2/19/2026

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2176**	**159**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5I (bg)**	**0.2882**	**107**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.6063**	**-126**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1083**	**150**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.013**	**-160**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06175**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2298**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07952**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.04485**	**-208**	**-124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03691**	**-135**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3621**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-5S (bg)**	**-0.03245**	**-99**	**-98**	**Yes**	**23**	**21.74**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-6.533**	**-151**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-8.606**	**-102**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.029**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-23S (bg)**	**-8.69**	**-150**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWA-2I (bg)	0.0001509	43	98	No	23	34.78	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-2S (bg)	0	-42	-98	No	23	78.26	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5I (bg)	0	-48	-98	No	23	65.22	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5S (bg)	0	-41	-98	No	23	47.83	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-6S (bg)	0	-35	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12I (bg)	-0.00006578	-7	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12S (bg)	0	-7	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-23S (bg)	-0.0005891	-16	-98	No	23	8.696	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2I (bg)	-0.03083	-13	-98	No	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2176**	**159**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5I (bg)**	**0.2882**	**107**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.6063**	**-126**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1083**	**150**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-12I (bg)	-0.2348	-12	-68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-12S (bg)	0.1273	28	68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.013**	**-160**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-2I (bg)	0	-8	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-2S (bg)	0.02936	51	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5I (bg)	-0.07759	-94	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06175**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-6S (bg)	-0.01122	-52	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-12S (bg)	0.06545	54	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2298**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	BRGWA-2I (bg)	-0.001822	-72	-111	No	25	44	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-2S (bg)	0	55	111	No	25	48	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5I (bg)	0	67	111	No	25	56	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5S (bg)	0	3	111	No	25	28	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-6S (bg)	0	-5	-111	No	25	44	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-12I (bg)	-0.008595	-35	-74	No	19	21.05	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-12S (bg)	0	63	74	No	19	63.16	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-23S (bg)	0	18	111	No	25	44	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07952**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.04485**	**-208**	**-124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-5I (bg)	-0.01855	-80	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03691**	**-135**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-6S (bg)	-0.01337	-40	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12I (bg)	-0.02367	-31	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12S (bg)	-0.01693	-51	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-23S (bg)	0.004115	15	124	No	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3621**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-2S (bg)	-0.02863	-57	-98	No	23	21.74	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5I (bg)	-0.1225	-73	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-5S (bg)**	**-0.03245**	**-99**	**-98**	**Yes**	**23**	**21.74**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-6S (bg)	-0.01203	-76	-98	No	23	17.39	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-6.533**	**-151**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-8.606**	**-102**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-2S (bg)	0	4	98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5I (bg)	-2.691	-65	-98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.029**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-6S (bg)	-2.075	-54	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12I (bg)	-5.117	-61	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12S (bg)	-5.699	-57	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-23S (bg)**	**-8.69**	**-150**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	BRGWA-12I (bg)	0.002581	113	53	Yes	18	27.78	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-2I (bg)	-0.001188	-170	-81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-2S (bg)	0.0004191	135	81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-5S (bg)	-0.002721	-191	-81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-6S (bg)	0.0001442	82	81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-12S (bg)	0.001374	85	53	Yes	18	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-23S (bg)	-0.006601	-147	-81	Yes	24	0	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-2S (bg)	0.0004008	91	81	Yes	24	4.167	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-5S (bg)	0.0003318	169	81	Yes	24	4.167	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-6S (bg)	-0.0002163	-135	-81	Yes	24	0	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-12I (bg)	0.0003234	70	53	Yes	18	22.22	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-12S (bg)	0.0003129	97	53	Yes	18	16.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-2I (bg)	-0.0001443	-108	-81	Yes	24	50	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-2S (bg)	-0.0002261	-168	-81	Yes	24	8.333	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-5I (bg)	-0.00007674	-125	-76	Yes	23	4.348	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-23S (bg)	-0.0003628	-134	-81	Yes	24	37.5	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-2S (bg)	0.09458	86	81	Yes	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-5I (bg)	0.1465	108	81	Yes	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-6S (bg)	0.1562	122	81	Yes	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-23S (bg)	0.2089	147	81	Yes	24	0	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-12S (bg)	0	63	58	Yes	19	63.16	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-2I (bg)	-0.003523	-124	-81	Yes	24	0	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-6S (bg)	0.0001165	124	81	Yes	24	8.333	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-2I (bg)	-0.000216	-129	-81	Yes	24	29.17	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-5I (bg)	-0.0004223	-196	-81	Yes	24	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-23S (bg)	0	-97	-76	Yes	23	73.91	n/a	n/a	0.05	NP

Appendix IV Trend Tests - Upgradient Wells - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	BRGWA-2I (bg)	0	28	81	No	24	87.5	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-2S (bg)	0	17	81	No	24	91.67	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-5S (bg)	0	11	81	No	24	91.67	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Antimony (mg/L)	**BRGWA-12I (bg)**	**0.002581**	**113**	**53**	**Yes**	**18**	**27.78**	**n/a**	**n/a**	**0.05**	**NP**
Antimony (mg/L)	BRGWA-12S (bg)	0	14	53	No	18	83.33	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-23S (bg)	0	9	81	No	24	91.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-2I (bg)	0	51	81	No	24	75	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-2S (bg)	0	18	81	No	24	87.5	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-5I (bg)	0	49	81	No	24	75	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-5S (bg)	0	49	81	No	24	75	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-6S (bg)	0	22	81	No	24	83.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-12I (bg)	0	7	53	No	18	72.22	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-12S (bg)	0	6	53	No	18	83.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-23S (bg)	0	55	81	No	24	75	n/a	n/a	0.05	NP
Barium (mg/L)	**BRGWA-2I (bg)**	**-0.001188**	**-170**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BRGWA-2S (bg)**	**0.0004191**	**135**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	BRGWA-5I (bg)	-0.000613	-69	-81	No	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	**BRGWA-5S (bg)**	**-0.002721**	**-191**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BRGWA-6S (bg)**	**0.0001442**	**82**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	BRGWA-12I (bg)	-0.001304	-34	-53	No	18	0	n/a	n/a	0.05	NP
Barium (mg/L)	**BRGWA-12S (bg)**	**0.001374**	**85**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BRGWA-23S (bg)**	**-0.006601**	**-147**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-23S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-23S (bg)	0	19	81	No	24	91.67	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-2I (bg)	0	15	81	No	24	54.17	n/a	n/a	0.05	NP
Chromium (mg/L)	**BRGWA-2S (bg)**	**0.0004008**	**91**	**81**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	BRGWA-5I (bg)	0.000009489	10	81	No	24	4.167	n/a	n/a	0.05	NP
Chromium (mg/L)	**BRGWA-5S (bg)**	**0.0003318**	**169**	**81**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BRGWA-6S (bg)**	**-0.0002163**	**-135**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BRGWA-12I (bg)**	**0.0003234**	**70**	**53**	**Yes**	**18**	**22.22**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BRGWA-12S (bg)**	**0.0003129**	**97**	**53**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	BRGWA-23S (bg)	0	9	81	No	24	62.5	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0001443**	**-108**	**-81**	**Yes**	**24**	**50**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002261**	**-168**	**-81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.00007674**	**-125**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	BRGWA-5S (bg)	0	43	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-6S (bg)	0	10	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0003628**	**-134**	**-81**	**Yes**	**24**	**37.5**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	BRGWA-2I (bg)	0.08217	77	81	No	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**BRGWA-2S (bg)**	**0.09458**	**86**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**BRGWA-5I (bg)**	**0.1465**	**108**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	BRGWA-5S (bg)	0.02282	16	81	No	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**BRGWA-6S (bg)**	**0.1562**	**122**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	BRGWA-12I (bg)	-0.05658	-26	-53	No	18	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-12S (bg)	0.1274	46	53	No	18	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**BRGWA-23S (bg)**	**0.2089**	**147**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	BRGWA-2I (bg)	-0.001822	-72	-85	No	25	44	n/a	n/a	0.05	NP

Appendix IV Trend Tests - Upgradient Wells - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride (mg/L)	BRGWA-2S (bg)	0	55	85	No	25	48	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-5I (bg)	0	67	85	No	25	56	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-5S (bg)	0	3	85	No	25	28	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-6S (bg)	0	-5	-85	No	25	44	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-12I (bg)	-0.008595	-35	-58	No	19	21.05	n/a	n/a	0.05	NP
Fluoride (mg/L)	**BRGWA-12S (bg)**	**0**	**63**	**58**	**Yes**	**19**	**63.16**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	BRGWA-23S (bg)	0	18	85	No	25	44	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-2I (bg)	0	31	81	No	24	91.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-2S (bg)	0	21	81	No	24	91.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-5I (bg)	0	-5	-81	No	24	91.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-5S (bg)	0	52	81	No	24	66.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-6S (bg)	0	40	81	No	24	87.5	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-23S (bg)	0	7	81	No	24	95.83	n/a	n/a	0.05	NP
Lithium (mg/L)	**BRGWA-2I (bg)**	**-0.003523**	**-124**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-5I (bg)	0	12	81	No	24	29.17	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Lithium (mg/L)	**BRGWA-6S (bg)**	**0.0001165**	**124**	**81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BRGWA-12I (bg)	-0.0001266	-41	-53	No	18	0	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-23S (bg)	0.0002495	68	81	No	24	0	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-2I (bg)	0	2	71	No	22	86.36	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-2S (bg)	0	7	71	No	22	90.91	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-5I (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-5S (bg)	0	26	71	No	22	86.36	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-6S (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-12I (bg)	0	6	45	No	16	81.25	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-12S (bg)	0	-9	-45	No	16	93.75	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-23S (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**BRGWA-2I (bg)**	**-0.000216**	**-129**	**-81**	**Yes**	**24**	**29.17**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**BRGWA-5I (bg)**	**-0.0004223**	**-196**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-12I (bg)	0	-17	-49	No	17	82.35	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-12S (bg)	0	0	49	No	17	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**BRGWA-23S (bg)**	**0**	**-97**	**-76**	**Yes**	**23**	**73.91**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-23S (bg)	0	3	81	No	24	45.83	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-23S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP

Appendix III Interwell Prediction Limits - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:07 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-25I	0.068	n/a	2/19/2026	1.48	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-27I	0.068	n/a	2/19/2026	0.951	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-29I	0.068	n/a	2/19/2026	1.02	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-30I	0.068	n/a	2/19/2026	1.68	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-32S	0.068	n/a	2/19/2026	0.735	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-44	0.068	n/a	2/19/2026	0.966	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-47	0.068	n/a	2/19/2026	0.588	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-52I	0.068	n/a	2/19/2026	1.46	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	PZ-63I	0.068	n/a	2/18/2026	0.598	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-25I	24	n/a	2/19/2026	59.7	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-27I	24	n/a	2/19/2026	54	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-29I	24	n/a	2/19/2026	94	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-30I	24	n/a	2/19/2026	485	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-32S	24	n/a	2/19/2026	31.5	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-44	24	n/a	2/19/2026	25.8	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-45	24	n/a	2/19/2026	109	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-47	24	n/a	2/19/2026	321	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-52I	24	n/a	2/19/2026	43.4	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	PZ-63I	24	n/a	2/18/2026	88.9	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-25I	5.8	n/a	2/19/2026	7.39	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-29I	5.8	n/a	2/19/2026	9.33	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-32S	5.8	n/a	2/19/2026	9.64	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-44	5.8	n/a	2/19/2026	6.8	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-45	5.8	n/a	2/19/2026	13	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-52I	5.8	n/a	2/19/2026	7.32	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-63I	5.8	n/a	2/18/2026	9.3	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-29I	7.013	5.546	2/19/2026	4.31	Yes	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	PZ-63I	7.013	5.546	2/18/2026	5.29	Yes	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	BRGWC-25I	89	n/a	2/19/2026	131	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-27I	89	n/a	2/19/2026	137	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-29I	89	n/a	2/19/2026	326	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-30I	89	n/a	2/19/2026	1290	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-32S	89	n/a	2/19/2026	143	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-45	89	n/a	2/19/2026	443	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-47	89	n/a	2/19/2026	1210	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-52I	89	n/a	2/19/2026	154	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-63I	89	n/a	2/18/2026	451	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
TDS (mg/L)	BRGWC-25I	180.5	n/a	2/19/2026	338	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-27I	180.5	n/a	2/19/2026	264	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-29I	180.5	n/a	2/19/2026	508	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-30I	180.5	n/a	2/19/2026	2100	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-32S	180.5	n/a	2/19/2026	284	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-45	180.5	n/a	2/19/2026	761	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-47	180.5	n/a	2/19/2026	1890	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-52I	180.5	n/a	2/19/2026	321	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-63I	180.5	n/a	2/18/2026	763	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:07 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-25I**	**0.068**	**n/a**	**2/19/2026**	**1.48**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-27I**	**0.068**	**n/a**	**2/19/2026**	**0.951**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-29I**	**0.068**	**n/a**	**2/19/2026**	**1.02**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-30I**	**0.068**	**n/a**	**2/19/2026**	**1.68**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-32S**	**0.068**	**n/a**	**2/19/2026**	**0.735**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-44**	**0.068**	**n/a**	**2/19/2026**	**0.966**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BRGWC-45	0.068	n/a	2/19/2026	0.0523	No	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	**BRGWC-47**	**0.068**	**n/a**	**2/19/2026**	**0.588**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-52I**	**0.068**	**n/a**	**2/19/2026**	**1.46**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**PZ-63I**	**0.068**	**n/a**	**2/18/2026**	**0.598**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-25I**	**24**	**n/a**	**2/19/2026**	**59.7**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-27I**	**24**	**n/a**	**2/19/2026**	**54**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-29I**	**24**	**n/a**	**2/19/2026**	**94**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-30I**	**24**	**n/a**	**2/19/2026**	**485**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-32S**	**24**	**n/a**	**2/19/2026**	**31.5**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-44**	**24**	**n/a**	**2/19/2026**	**25.8**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-45**	**24**	**n/a**	**2/19/2026**	**109**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-47**	**24**	**n/a**	**2/19/2026**	**321**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-52I**	**24**	**n/a**	**2/19/2026**	**43.4**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**PZ-63I**	**24**	**n/a**	**2/18/2026**	**88.9**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-25I**	**5.8**	**n/a**	**2/19/2026**	**7.39**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-27I	5.8	n/a	2/19/2026	2.57	No	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-29I**	**5.8**	**n/a**	**2/19/2026**	**9.33**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-30I	5.8	n/a	2/19/2026	2.6	No	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-32S**	**5.8**	**n/a**	**2/19/2026**	**9.64**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-44**	**5.8**	**n/a**	**2/19/2026**	**6.8**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-45**	**5.8**	**n/a**	**2/19/2026**	**13**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-47	5.8	n/a	2/19/2026	4.54	No	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-52I**	**5.8**	**n/a**	**2/19/2026**	**7.32**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-63I**	**5.8**	**n/a**	**2/18/2026**	**9.3**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	BRGWC-25I	0.42	n/a	2/19/2026	0.261	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-27I	0.42	n/a	2/19/2026	0.147	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-29I	0.42	n/a	2/19/2026	0.0975J	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-30I	0.42	n/a	2/19/2026	0.15	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-32S	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-44	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-45	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-47	0.42	n/a	2/19/2026	0.0603J	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-52I	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-63I	0.42	n/a	2/18/2026	0.167	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-25I	7.013	5.546	2/19/2026	6.19	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-27I	7.013	5.546	2/19/2026	5.75	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-29I**	**7.013**	**5.546**	**2/19/2026**	**4.31**	**Yes**	**195**	**6.28**	**0.3778**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-30I	7.013	5.546	2/19/2026	6.41	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-32S	7.013	5.546	2/19/2026	5.87	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-44	7.013	5.546	2/19/2026	6.03	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-45	7.013	5.546	2/19/2026	5.8	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-47	7.013	5.546	2/19/2026	5.62	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-52I	7.013	5.546	2/19/2026	6.1	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	**PZ-63I**	**7.013**	**5.546**	**2/18/2026**	**5.29**	**Yes**	**195**	**6.28**	**0.3778**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
Sulfate (mg/L)	**BRGWC-25I**	**89**	**n/a**	**2/19/2026**	**131**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-27I**	**89**	**n/a**	**2/19/2026**	**137**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-29I**	**89**	**n/a**	**2/19/2026**	**326**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-30I**	**89**	**n/a**	**2/19/2026**	**1290**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-32S**	**89**	**n/a**	**2/19/2026**	**143**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BRGWC-44	89	n/a	2/19/2026	43	No	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BRGWC-45**	**89**	**n/a**	**2/19/2026**	**443**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-47**	**89**	**n/a**	**2/19/2026**	**1210**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-52I**	**89**	**n/a**	**2/19/2026**	**154**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**PZ-63I**	**89**	**n/a**	**2/18/2026**	**451**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BRGWC-25I**	**180.5**	**n/a**	**2/19/2026**	**338**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-27I**	**180.5**	**n/a**	**2/19/2026**	**264**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-29I**	**180.5**	**n/a**	**2/19/2026**	**508**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-30I**	**180.5**	**n/a**	**2/19/2026**	**2100**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-32S**	**180.5**	**n/a**	**2/19/2026**	**284**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:07 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	BRGWC-44	180.5	n/a	2/19/2026	169	No	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**BRGWC-45**	**180.5**	**n/a**	**2/19/2026**	**761**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-47**	**180.5**	**n/a**	**2/19/2026**	**1890**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-52I**	**180.5**	**n/a**	**2/19/2026**	**321**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-63I**	**180.5**	**n/a**	**2/18/2026**	**763**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:14 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWC-29I	-0.06825	-116	-98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-32S	-0.07163	-157	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-44	-0.1474	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-47	0.02924	148	105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2S (bg)	0.2176	159	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-5I (bg)	0.2882	107	98	Yes	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-5S (bg)	-0.6063	-126	-98	Yes	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-6S (bg)	0.1083	150	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-23S (bg)	-1.013	-160	-98	Yes	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-27I	-2.179	-118	-105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-30I	49.67	226	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-32S	-3.405	-152	-105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-63I	11.25	36	25	Yes	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5S (bg)	-0.06175	-146	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-12I (bg)	-0.1919	-99	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-23S (bg)	-0.2298	-192	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-32S	-0.4204	-138	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-45	-5.901	-186	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-63I	0.6788	26	25	Yes	9	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2I (bg)	-0.07952	-198	-118	Yes	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2S (bg)	-0.04485	-208	-124	Yes	27	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-5S (bg)	-0.03691	-135	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-2I (bg)	-0.3621	-123	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5S (bg)	-0.03245	-99	-98	Yes	23	21.74	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-12I (bg)	-0.2108	-113	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-12S (bg)	-0.126	-88	-68	Yes	18	16.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-23S (bg)	-6.533	-151	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-25I	-14.32	-103	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-27I	-14.48	-197	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-30I	119	186	98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-32S	-26.84	-192	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-47	-39.27	-144	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-63I	63.54	34	25	Yes	9	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-2I (bg)	-8.606	-102	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5S (bg)	-6.029	-146	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-23S (bg)	-8.69	-150	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-27I	-17.77	-160	-105	Yes	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-30I	198.4	203	98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-32S	-38.3	-215	-105	Yes	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-63I	98.15	36	25	Yes	9	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:14 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWA-2I (bg)	0.0001509	43	98	No	23	34.78	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-2S (bg)	0	-42	-98	No	23	78.26	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5I (bg)	0	-48	-98	No	23	65.22	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5S (bg)	0	-41	-98	No	23	47.83	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-6S (bg)	0	-35	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12I (bg)	-0.00006578	-7	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12S (bg)	0	-7	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-23S (bg)	-0.0005891	-16	-98	No	23	8.696	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-25I	0.008639	10	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-27I	-0.04023	-76	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-29I**	**-0.06825**	**-116**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-30I	0.03628	83	105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-32S**	**-0.07163**	**-157**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-44**	**-0.1474**	**-54**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-47**	**0.02924**	**148**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-52I	0.01371	47	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-63I	-0.01905	-6	-25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2I (bg)	-0.03083	-13	-98	No	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2176**	**159**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5I (bg)**	**0.2882**	**107**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.6063**	**-126**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1083**	**150**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-12I (bg)	-0.2348	-12	-68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-12S (bg)	0.1273	28	68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.013**	**-160**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-25I	-0.4179	-11	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-27I**	**-2.179**	**-118**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-29I	0.3107	7	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-30I**	**49.67**	**226**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWC-32S**	**-3.405**	**-152**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-44	0.09381	12	38	No	12	16.67	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-45	-0.5098	-21	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-47	-1.021	-41	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-52I	-0.2433	-18	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-63I**	**11.25**	**36**	**25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-2I (bg)	0	-8	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-2S (bg)	0.02936	51	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5I (bg)	-0.07759	-94	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06175**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-6S (bg)	-0.01122	-52	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-12S (bg)	0.06545	54	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2298**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-25I	0.1429	26	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-29I	0.1365	33	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-32S**	**-0.4204**	**-138**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-44	0.1443	29	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-45**	**-5.901**	**-186**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-52I	-0.05993	-52	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**PZ-63I**	**0.6788**	**26**	**25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07952**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.04485**	**-208**	**-124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-5I (bg)	-0.01855	-80	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03691**	**-135**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-6S (bg)	-0.01337	-40	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12I (bg)	-0.02367	-31	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12S (bg)	-0.01693	-51	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-23S (bg)	0.004115	15	124	No	27	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-29I	-0.012	-48	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	PZ-63I	-0.07401	-19	-30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3621**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-2S (bg)	-0.02863	-57	-98	No	23	21.74	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5I (bg)	-0.1225	-73	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-5S (bg)**	**-0.03245**	**-99**	**-98**	**Yes**	**23**	**21.74**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-6S (bg)	-0.01203	-76	-98	No	23	17.39	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:14 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-6.533**	**-151**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-25I**	**-14.32**	**-103**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-27I**	**-14.48**	**-197**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-29I	-8.69	-48	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-30I**	**119**	**186**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-32S**	**-26.84**	**-192**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-45	2.009	40	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-47**	**-39.27**	**-144**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-52I	-2.326	-65	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-63I**	**63.54**	**34**	**25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-8.606**	**-102**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-2S (bg)	0	4	98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5I (bg)	-2.691	-65	-98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.029**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-6S (bg)	-2.075	-54	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12I (bg)	-5.117	-61	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12S (bg)	-5.699	-57	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-23S (bg)**	**-8.69**	**-150**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-25I	-16.34	-83	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-27I**	**-17.77**	**-160**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-29I	-18.29	-63	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-30I**	**198.4**	**203**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWC-32S**	**-38.3**	**-215**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-45	-13.38	-67	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-47	-32.59	-102	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-52I	-7.217	-95	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**PZ-63I**	**98.15**	**36**	**25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0245	n/a	n/a	n/a	n/a	180	86.11	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	180	78.33	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.13	n/a	n/a	n/a	n/a	180	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	180	100	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	182	98.9	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.016	n/a	n/a	n/a	n/a	180	21.11	n/a	NaN	NP Inter(normality)
Cobalt (mg/L)	n/a	0.0135	n/a	n/a	n/a	n/a	181	54.14	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	2.902	n/a	n/a	n/a	n/a	180	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.42	n/a	n/a	n/a	n/a	188	43.62	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	180	90	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.089	n/a	n/a	n/a	n/a	180	41.67	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.00021	n/a	n/a	n/a	n/a	164	90.85	n/a	0.0002222	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.008	n/a	n/a	n/a	n/a	177	71.75	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.006	n/a	n/a	n/a	n/a	180	92.78	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	180	100	n/a	NaN	NP Inter(NDs)

PLANT BRANCH POND BCD GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.025	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.13	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	0.014	0.014
Combined Radium, Total (pCi/L)	5		2.9	5
Fluoride, Total (mg/L)	4		0.42	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		0.006	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*

***MCL used in lieu of Background limit for Antimony*

Selenium BRGWC-32S Trend Test - All/Significant Result

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	**BRGWC-32S**	**0.02376**	**138**	**90**	**Yes**	**26**	**15.38**	**n/a**	**n/a**	**0.05**	**NP**

Selenium BRGWC-32S Trend Test - Truncated Records - All Result (No Significant)

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	BRGWC-32S	0	1	53	No	18	0	n/a	n/a	0.05	NP

Confidence Interval Summary Table - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**PZ-63I**	**0.04004**	**0.02414**	**0.014**	**Yes**	**9**	**0.008236**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**BRGWC-32S**	**0.1635**	**0.09503**	**0.05**	**Yes**	**18**	**0.05657**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**PZ-75I**	**0.1359**	**0.07304**	**0.05**	**Yes**	**7**	**0.02645**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BRGWC-29I	0.003	0.0007	0.006	No	24	0.0004695	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-30I	0.003	0.0013	0.006	No	24	0.000347	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-32S	0.003	0.0014	0.006	No	24	0.0003266	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-45	0.003	0.0024	0.006	No	25	0.0007934	72	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-47	0.003	0.00035	0.006	No	25	0.00053	96	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-52I	0.003	0.00091	0.006	No	24	0.0007707	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-68D	0.003	0.00176	0.006	No	7	0.0004687	85.71	None	No	0.008	NP (NDs)
Arsenic (mg/L)	BRGWC-25I	0.005	0.00091	0.01	No	24	0.001643	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-27I	0.005	0.0014	0.01	No	24	0.001517	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-29I	0.005	0.0019	0.01	No	24	0.001784	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-30I	0.005	0.00322	0.01	No	24	0.00145	70.83	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-32S	0.005	0.00053	0.01	No	24	0.0009124	95.83	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-44	0.005	0.00221	0.01	No	12	0.00138	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-45	0.005	0.0021	0.01	No	25	0.001774	68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-47	0.005	0.0018	0.01	No	25	0.001716	36	None	No	0.01	NP (normality)
Arsenic (mg/L)	BRGWC-52I	0.005	0.0031	0.01	No	24	0.001378	58.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-68D	0.0058	0.00211	0.01	No	7	0.001263	57.14	None	No	0.008	NP (NDs)
Barium (mg/L)	BRGWC-25I	0.03255	0.02648	2	No	24	0.006263	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BRGWC-27I	0.0173	0.015	2	No	24	0.002693	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-29I	0.01857	0.01682	2	No	24	0.00171	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-30I	0.03174	0.02511	2	No	24	0.006498	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-32S	0.03509	0.02341	2	No	24	0.01226	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BRGWC-44	0.05435	0.04965	2	No	12	0.003001	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-45	0.08626	0.06864	2	No	25	0.01768	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-47	0.03846	0.03105	2	No	25	0.007435	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-52I	0.03293	0.02022	2	No	24	0.01245	0	None	No	0.01	Param.
Barium (mg/L)	PZ-63I	0.037	0.0202	2	No	9	0.00524	0	None	No	0.002	NP (normality)
Barium (mg/L)	PZ-68D	0.1252	0.07706	2	No	7	0.02145	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-74I	0.0586	0.0204	2	No	7	0.01342	0	None	No	0.008	NP (normality)
Barium (mg/L)	PZ-75I	0.04855	0.02322	2	No	6	0.009217	0	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-27I	0.0005	0.00012	0.004	No	25	0.0001856	40	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-29I	0.001078	0.0008542	0.004	No	24	0.000219	4.167	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-45	0.0005	0.000079	0.004	No	26	0.000119	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BRGWC-47	0.0005	0.00006	0.004	No	25	0.0001667	84	None	No	0.01	NP (NDs)
Beryllium (mg/L)	PZ-63I	0.0005	0.000286	0.004	No	9	0.00007133	88.89	None	No	0.002	NP (NDs)
Cadmium (mg/L)	BRGWC-27I	0.001	0.00009	0.005	No	25	0.0002548	92	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-30I	0.001	0.00014	0.005	No	25	0.0002466	92	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-32S	0.001	0.00012	0.005	No	25	0.0003359	84	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-45	0.001	0.00029	0.005	No	26	0.000336	80.77	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-47	0.001	0.00018	0.005	No	25	0.0004142	60	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-63I	0.001	0.000351	0.005	No	9	0.0002163	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BRGWC-25I	0.01	0.0016	0.1	No	24	0.002461	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-27I	0.01	0.003	0.1	No	24	0.002278	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-29I	0.02	0.01	0.1	No	24	0.002041	95.83	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-30I	0.014	0.0051	0.1	No	24	0.001318	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-32S	0.01	0.0019	0.1	No	24	0.004238	54.17	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-45	0.01	0.0014	0.1	No	25	0.002995	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-47	0.01	0.0018	0.1	No	25	0.003359	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-52I	0.01	0.0017	0.1	No	24	0.001694	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-25I	0.005396	0.003387	0.014	No	24	0.002123	4.167	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-27I	0.009274	0.006092	0.014	No	25	0.003192	0	None	No	0.01	Param.
Cobalt (mg/L)	BRGWC-29I	0.008849	0.00657	0.014	No	24	0.002381	4.167	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-30I	0.00179	0.001	0.014	No	25	0.006201	12	None	No	0.01	NP (normality)
Cobalt (mg/L)	BRGWC-32S	0.0025	0.001	0.014	No	25	0.0003	92	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-44	0.001	0.000408	0.014	No	12	0.0001709	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-45	0.009528	0.003832	0.014	No	26	0.01312	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-47	0.0014	0.00053	0.014	No	25	0.001487	44	None	No	0.01	NP (normality)
Cobalt (mg/L)	BRGWC-52I	0.0012	0.00063	0.014	No	24	0.0008616	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**PZ-63I**	**0.04004**	**0.02414**	**0.014**	**Yes**	**9**	**0.008236**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	PZ-68D	0.0009573	0.000419	0.014	No	7	0.0002266	14.29	None	No	0.01	Param.
Cobalt (mg/L)	PZ-74I	0.00258	0.00059	0.014	No	7	0.0006521	57.14	None	No	0.008	NP (NDs)
Cobalt (mg/L)	PZ-75I	0.00105	0.000519	0.014	No	6	0.0002014	66.67	None	No	0.0155	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BRGWC-25I	2.145	0.8322	5	No	24	1.544	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-27I	1.915	0.9071	5	No	24	0.9872	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-29I	2.314	1.326	5	No	24	1.116	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-30I	2.21	0.9201	5	No	24	1.483	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-32S	1.588	0.7033	5	No	24	0.8665	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-44	2.918	0.5651	5	No	12	1.5	0	None	No	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BRGWC-45	1.228	0.5222	5	No	25	0.8318	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-47	2.125	1.084	5	No	25	1.045	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-52I	4.743	1.936	5	No	24	3.388	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-63I	4.353	1.125	5	No	9	1.672	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-68D	6.264	0.8475	5	No	7	2.28	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-74I	4.603	0.3157	5	No	7	2.588	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-75I	3.155	1.735	5	No	6	0.5171	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-25I	0.2484	0.1612	4	No	25	0.1139	4	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-27I	0.2597	0.1758	4	No	26	0.08607	7.692	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-29I	0.2	0.091	4	No	25	0.1084	8	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-30I	0.2851	0.1468	4	No	25	0.1865	4	None	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BRGWC-32S	0.09681	0.06225	4	No	26	0.04219	46.15	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-44	0.1742	0.08253	4	No	12	0.05501	25	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BRGWC-45	0.142	0.078	4	No	26	0.1988	42.31	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-47	0.243	0.189	4	No	26	0.2354	42.31	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-52I	0.2051	0.1243	4	No	24	0.07919	8.333	None	No	0.01	Param.
Fluoride (mg/L)	PZ-63I	0.2522	0.145	4	No	9	0.05552	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-68D	0.2078	0.1096	4	No	7	0.04133	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-74I	0.1947	0.07481	4	No	7	0.05392	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-75I	0.1591	0.05497	4	No	7	0.04382	14.29	None	No	0.01	Param.
Lead (mg/L)	BRGWC-25I	0.002	0.00011	0.015	No	24	0.0003858	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-27I	0.002	0.000063	0.015	No	24	0.0003954	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-29I	0.002	0.00032	0.015	No	23	0.0008271	43.48	None	No	0.01	NP (normality)
Lead (mg/L)	BRGWC-30I	0.002	0.00011	0.015	No	24	0.0003858	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-45	0.002	0.000595	0.015	No	25	0.0006488	84	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-47	0.002	0.00012	0.015	No	25	0.0006375	88	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-52I	0.002	0.000042	0.015	No	24	0.0003997	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-68D	0.002	0.000504	0.015	No	7	0.0005654	85.71	None	No	0.008	NP (NDs)
Lithium (mg/L)	BRGWC-27I	0.01	0.0014	0.089	No	24	0.004293	41.67	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-29I	0.003841	0.003162	0.089	No	24	0.0006945	12.5	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BRGWC-30I	0.0237	0.01521	0.089	No	24	0.008313	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-32S	0.00489	0.0022	0.089	No	24	0.006311	8.333	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-44	0.00728	0.0048	0.089	No	12	0.002909	0	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-45	0.0043	0.0031	0.089	No	24	0.003021	25	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-47	0.04624	0.042	0.089	No	25	0.004252	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-52I	0.01068	0.005037	0.089	No	24	0.006101	4.167	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-63I	0.00724	0.005493	0.089	No	9	0.0009048	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-68D	0.007634	0.003109	0.089	No	7	0.001905	14.29	None	No	0.01	Param.
Lithium (mg/L)	PZ-74I	0.00849	0.00692	0.089	No	7	0.0006429	0	None	No	0.008	NP (normality)
Lithium (mg/L)	PZ-75I	0.005467	0.003253	0.089	No	6	0.0008057	0	None	No	0.01	Param.
Mercury (mg/L)	BRGWC-25I	0.0002	0.000083	0.002	No	22	0.00004129	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-27I	0.0002	0.00005	0.002	No	22	0.00004458	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-29I	0.000384	0.000098	0.002	No	22	0.0001409	77.27	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-30I	0.0002	0.000082	0.002	No	22	0.00004823	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-32S	0.0002	0.0001	0.002	No	22	0.0000385	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-74I	0.0002	0.000121	0.002	No	7	0.00002986	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	BRGWC-25I	0.01	0.001	0.1	No	23	0.004526	43.48	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-27I	0.001	0.000512	0.1	No	23	0.0002426	86.96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-30I	0.01	0.0012	0.1	No	23	0.004465	47.83	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-45	0.001	0.000545	0.1	No	24	0.0002985	70.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-47	0.01	0.000295	0.1	No	24	0.004684	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-52I	0.01	0.000782	0.1	No	23	0.004131	30.43	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-63I	0.0008698	0.0006553	0.1	No	9	0.0001111	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-68D	0.0111	0.00499	0.1	No	7	0.001985	0	None	No	0.008	NP (normality)
Molybdenum (mg/L)	PZ-74I	0.00276	0.000597	0.1	No	7	0.0007067	71.43	None	No	0.008	NP (NDs)
Selenium (mg/L)	BRGWC-25I	0.005	0.00217	0.05	No	24	0.0008089	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-27I	0.005	0.00309	0.05	No	24	0.001201	45.83	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-29I	0.005	0.0042	0.05	No	24	0.001364	50	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-30I	0.005	0.0045	0.05	No	24	0.000807	79.17	None	No	0.01	NP (NDs)
Selenium (mg/L)	**BRGWC-32S**	**0.1635**	**0.09503**	**0.05**	**Yes**	**18**	**0.05657**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	BRGWC-44	0.005	0.00202	0.05	No	12	0.0008603	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-45	0.005	0.0029	0.05	No	25	0.0006593	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-47	0.005	0.0024	0.05	No	25	0.001463	68	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-52I	0.005	0.00198	0.05	No	24	0.0006165	95.83	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-63I	0.005	0.00262	0.05	No	9	0.0007933	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	PZ-68D	0.005	0.00205	0.05	No	7	0.001115	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	PZ-74I	0.07697	0.03315	0.05	No	7	0.01844	0	None	No	0.01	Param.
Selenium (mg/L)	**PZ-75I**	**0.1359**	**0.07304**	**0.05**	**Yes**	**7**	**0.02645**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	BRGWC-29I	0.002	0.00017	0.002	No	24	0.0009272	45.83	None	No	0.01	NP (normality)

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0001443**	**-108**	**-81**	**Yes**	**24**	**50**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002261**	**-168**	**-81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.00007674**	**-125**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0003628**	**-134**	**-81**	**Yes**	**24**	**37.5**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.00589**	**34**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**BRGWC-32S**	**0.02376**	**138**	**90**	**Yes**	**26**	**15.38**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02535**	**19**	**15**	**Yes**	**7**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

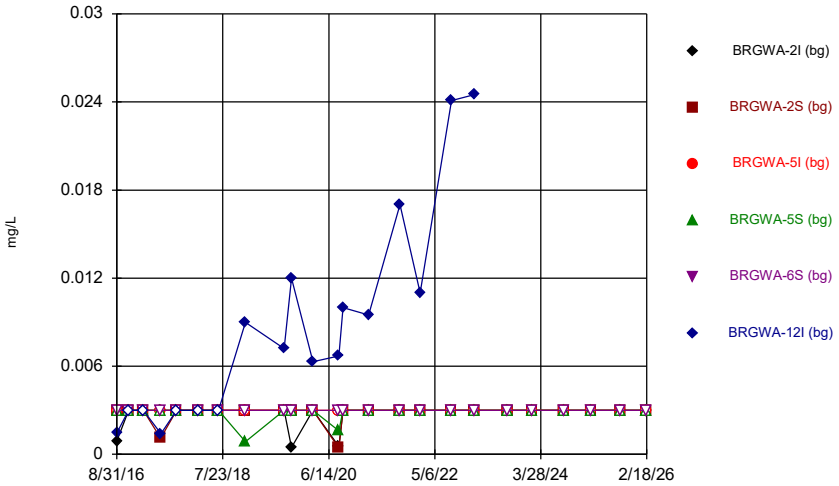
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0001443**	**-108**	**-81**	**Yes**	**24**	**50**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002261**	**-168**	**-81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.00007674**	**-125**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	BRGWA-5S (bg)	0	43	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-6S (bg)	0	10	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0003628**	**-134**	**-81**	**Yes**	**24**	**37.5**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.00589**	**34**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-23S (bg)	0	3	81	No	24	45.83	n/a	n/a	0.05	NP
Selenium (mg/L)	**BRGWC-32S**	**0.02376**	**138**	**90**	**Yes**	**26**	**15.38**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02535**	**19**	**15**	**Yes**	**7**	**0**	**n/a**	**n/a**	**0.05**	**NP**

FIGURE A.

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Hollow symbols indicate censored values.

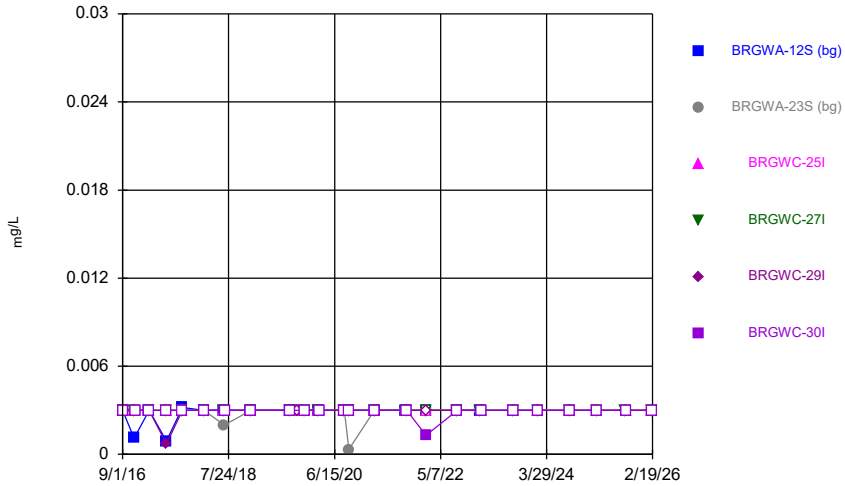
Time Series



Constituent: Antimony Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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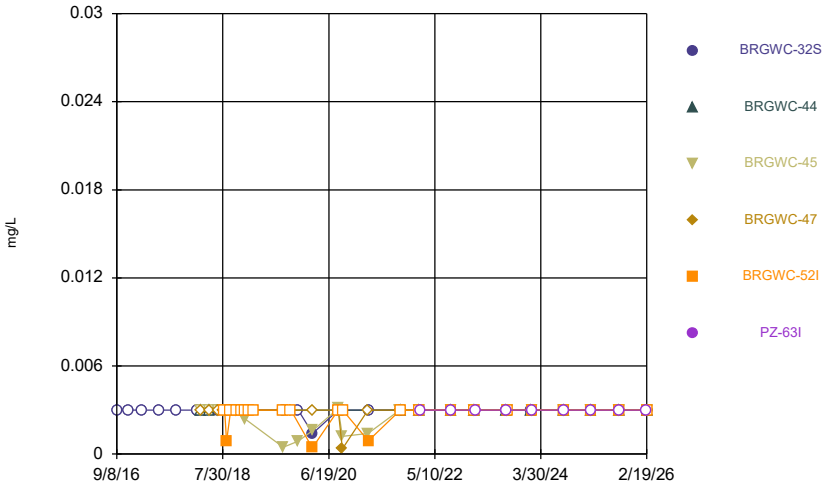
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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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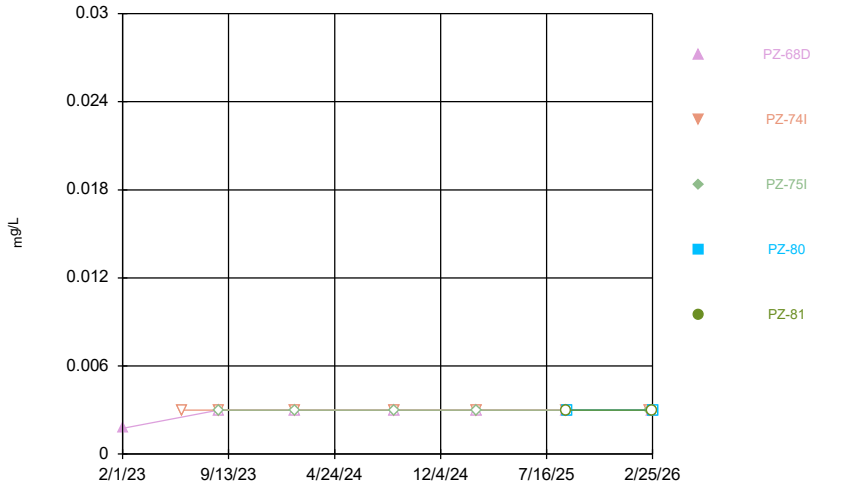
Time Series



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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

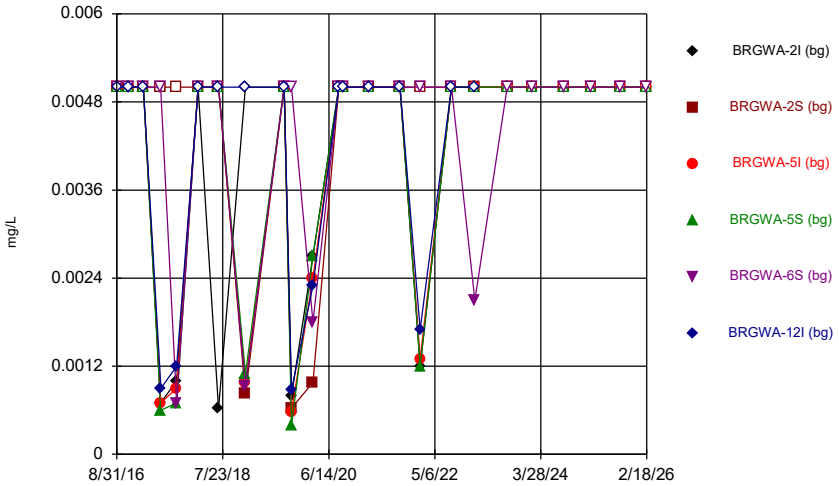
Time Series



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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

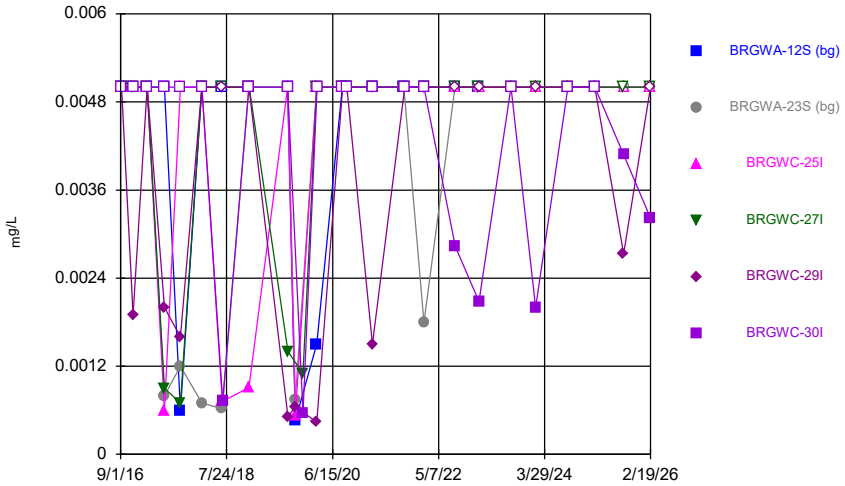
Time Series



Constituent: Arsenic Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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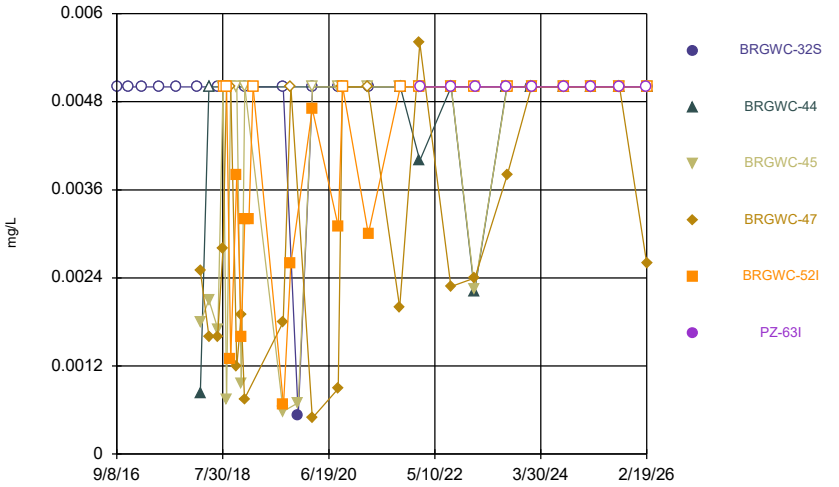
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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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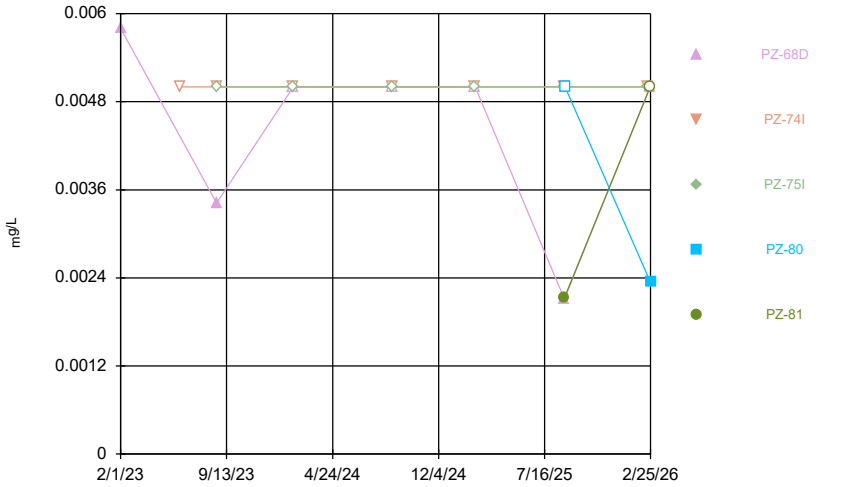
Time Series



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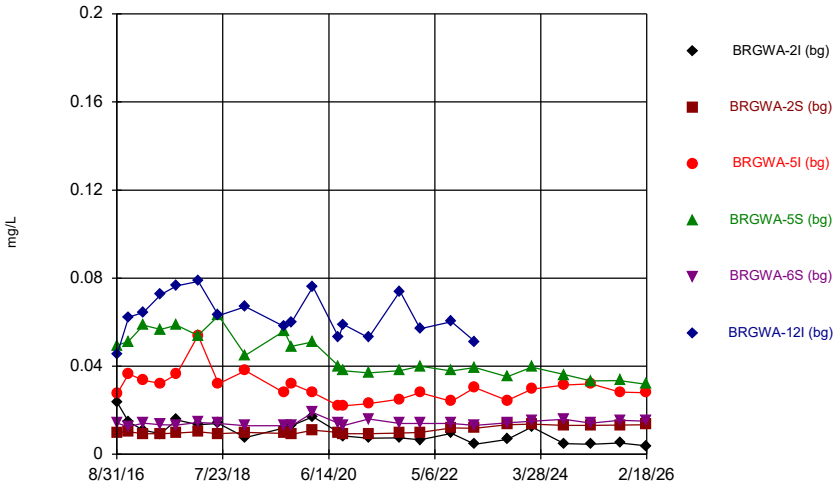
Time Series



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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Time Series

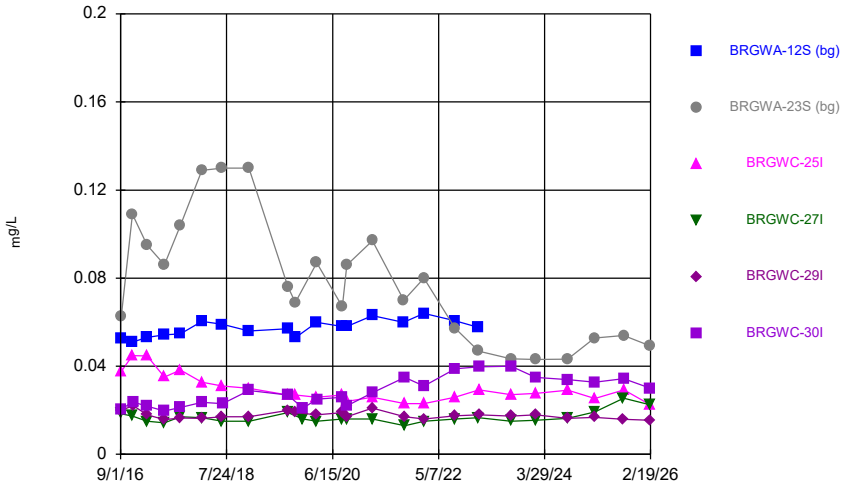


Constituent: Barium Analysis Run 5/29/2026 10:57 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Time Series

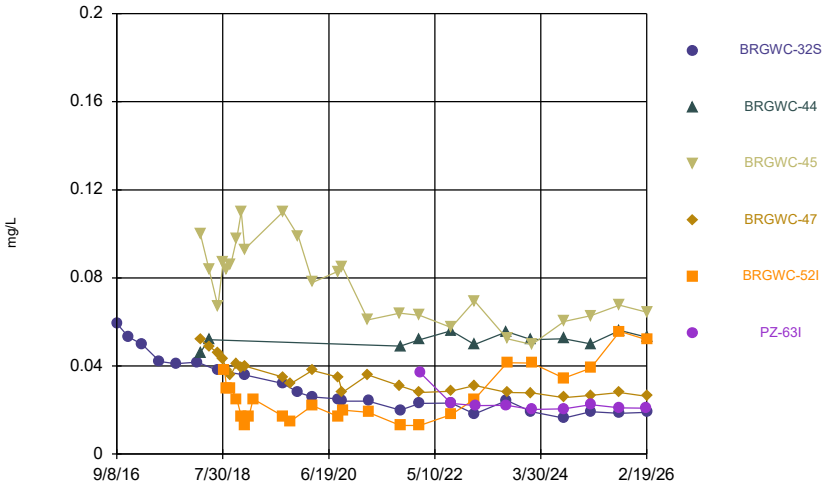


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Time Series

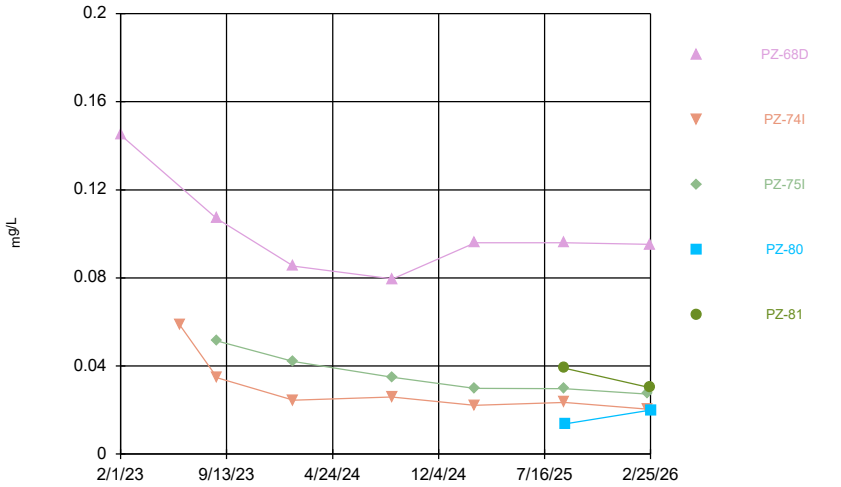


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Time Series

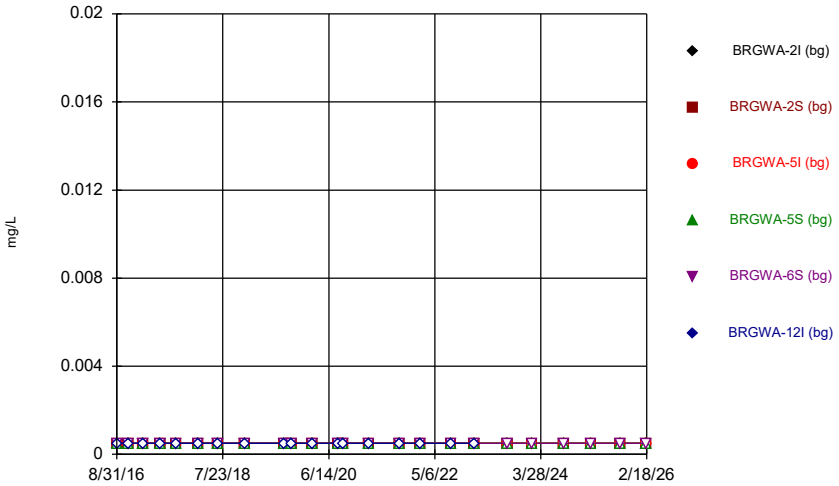


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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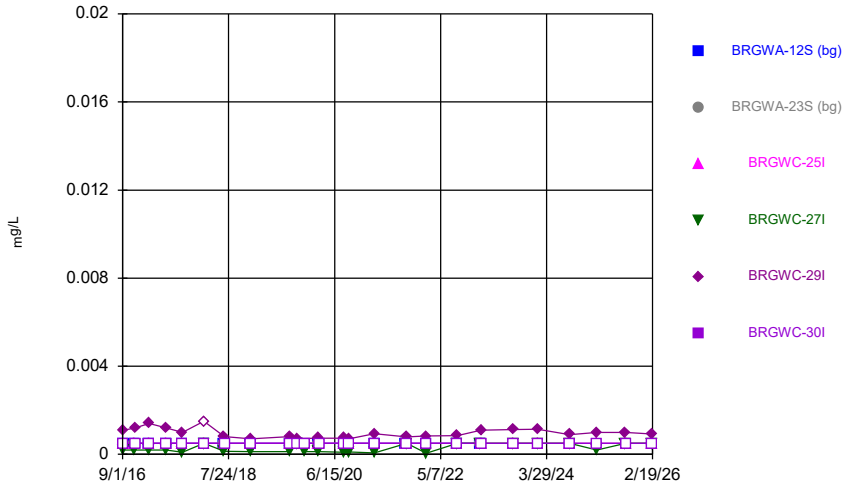
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Constituent: Beryllium Analysis Run 5/29/2026 10:57 AM
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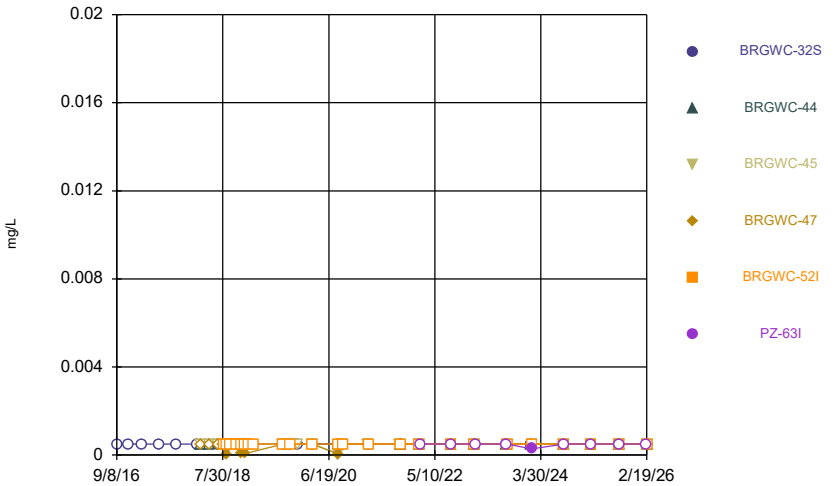
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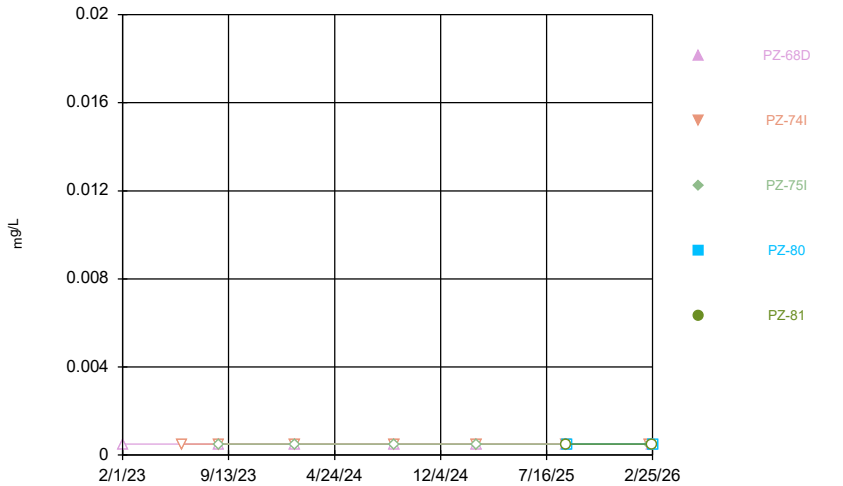
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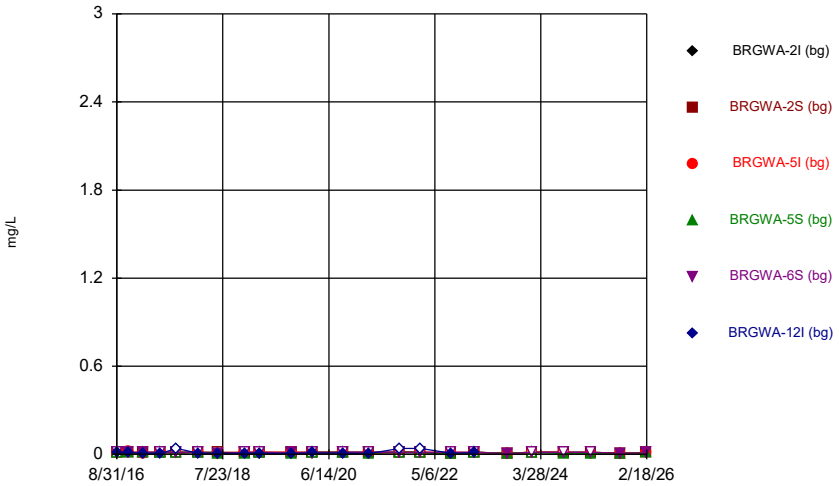
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Hollow symbols indicate censored values.

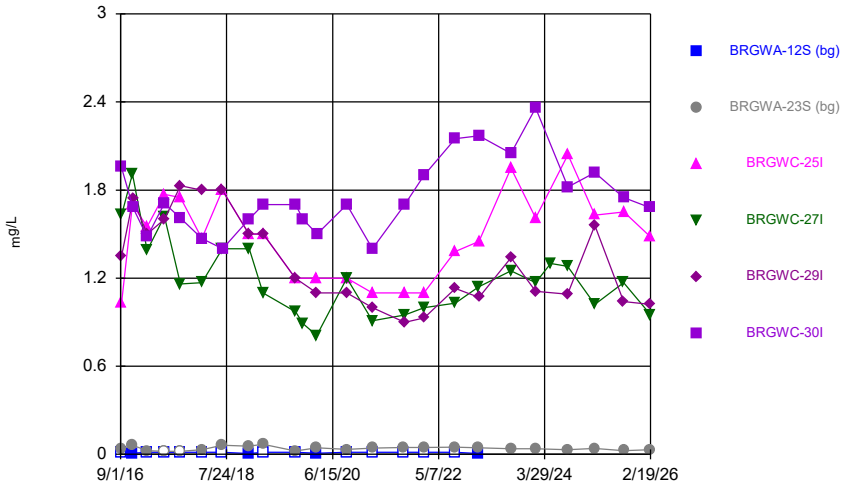
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Constituent: Boron Analysis Run 5/29/2026 10:57 AM
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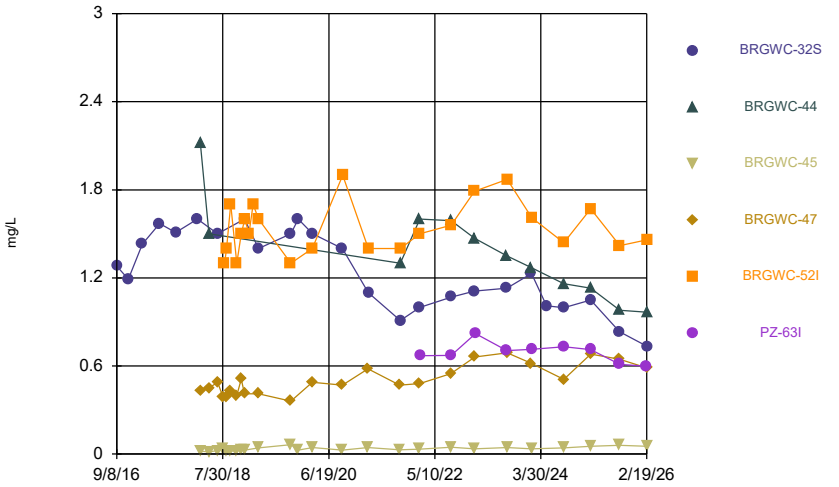
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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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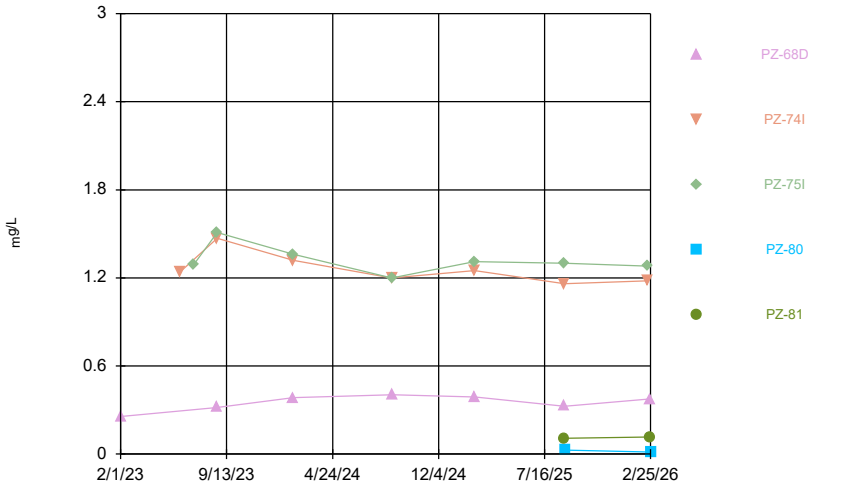
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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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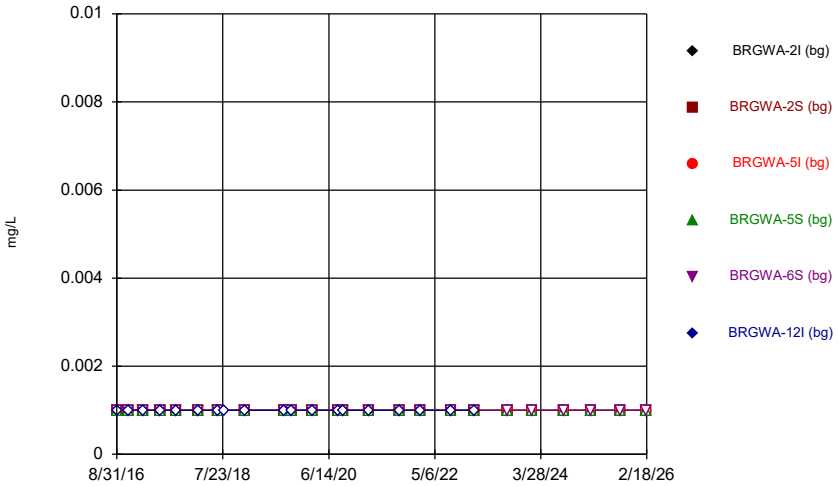
Time Series



Constituent: Boron Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

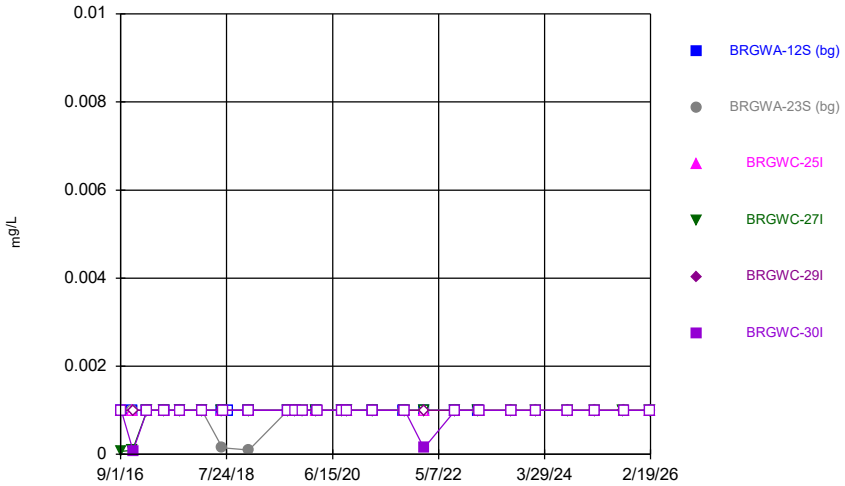
Time Series



Constituent: Cadmium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

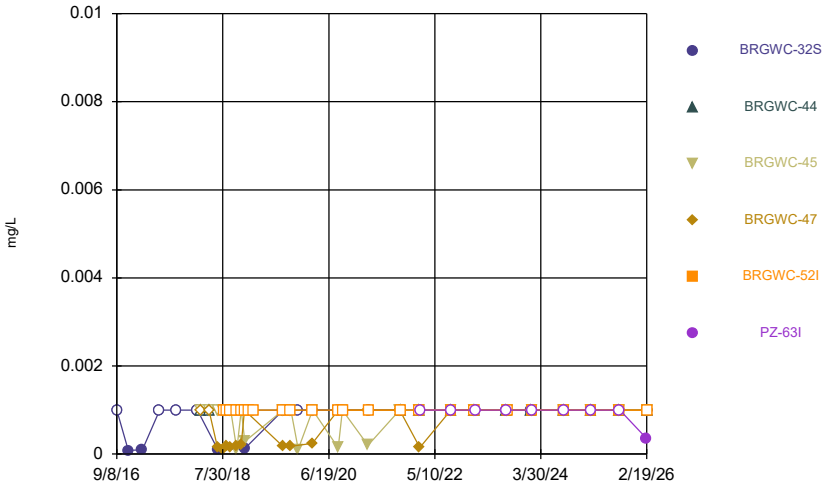
Time Series



Constituent: Cadmium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

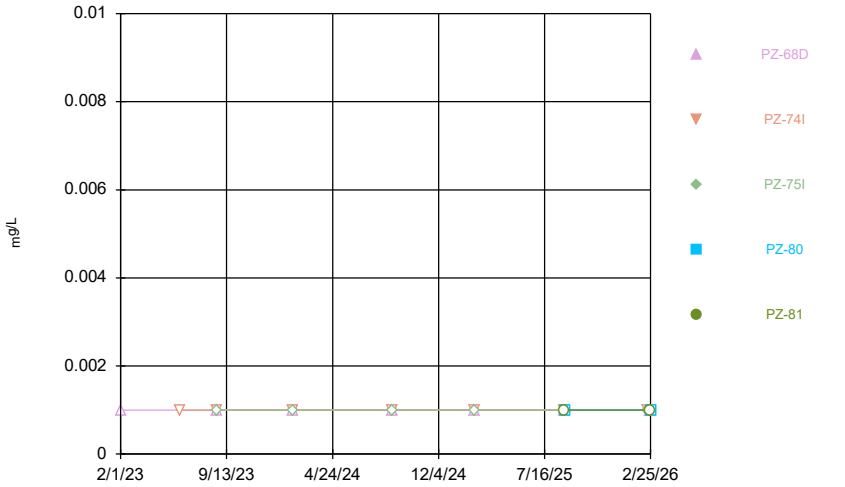
Time Series



Constituent: Cadmium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

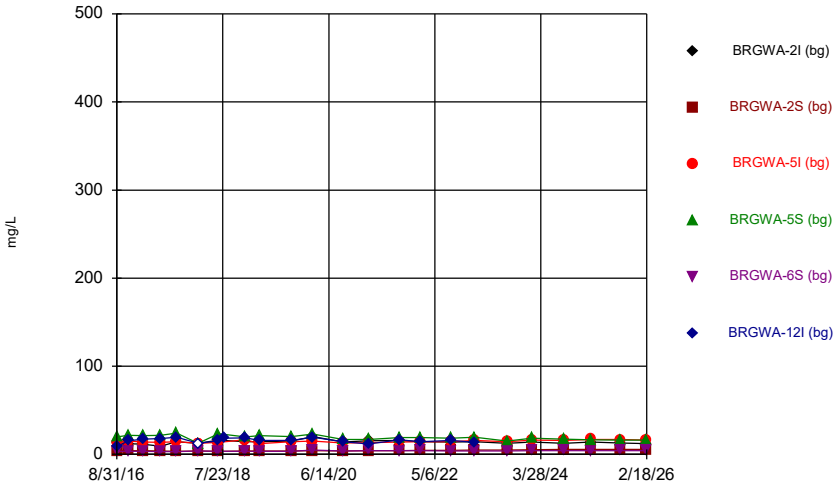
Time Series



Constituent: Cadmium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

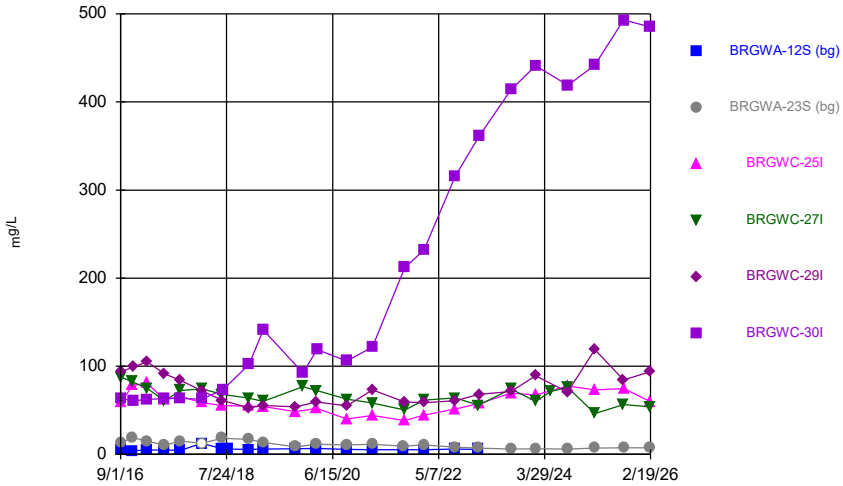
Time Series



Constituent: Calcium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

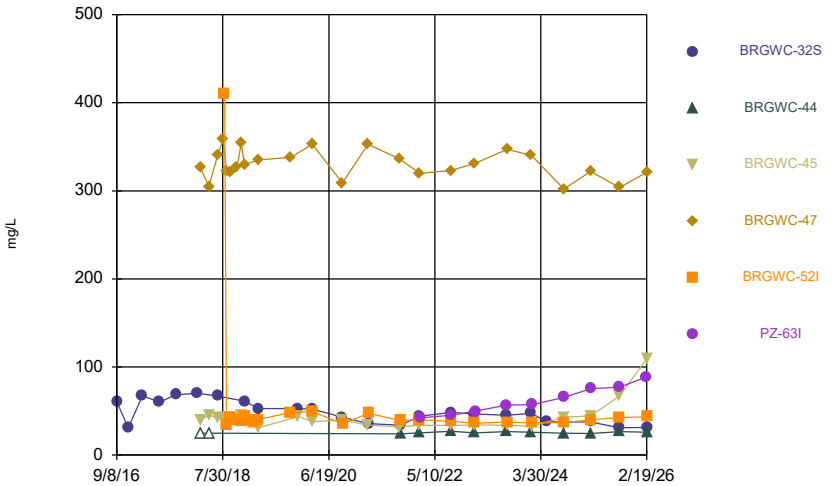
Time Series



Constituent: Calcium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

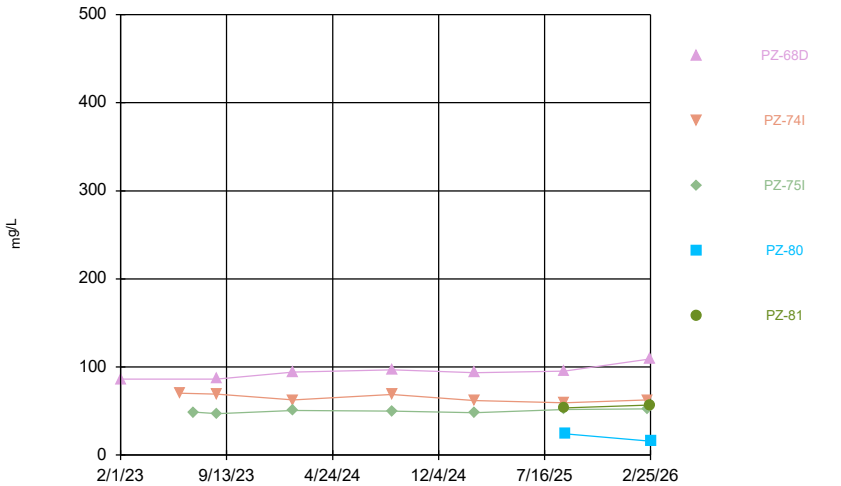
Time Series



Constituent: Calcium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

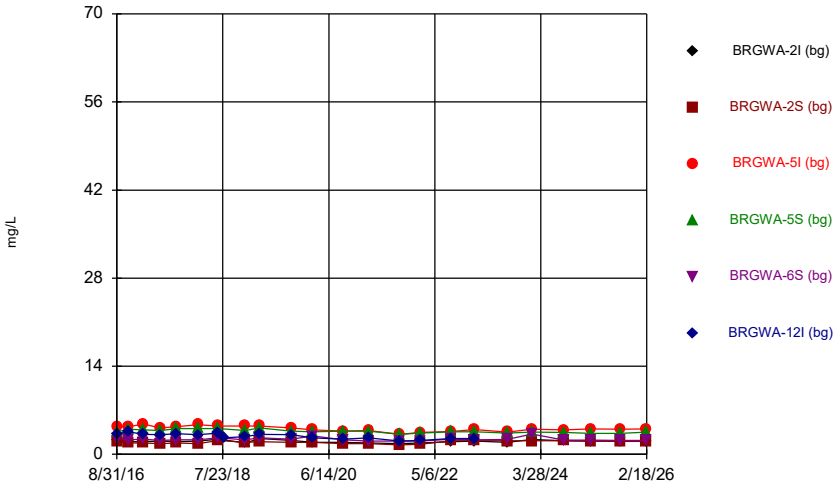
Time Series



Constituent: Calcium Analysis Run 5/29/2026 10:57 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

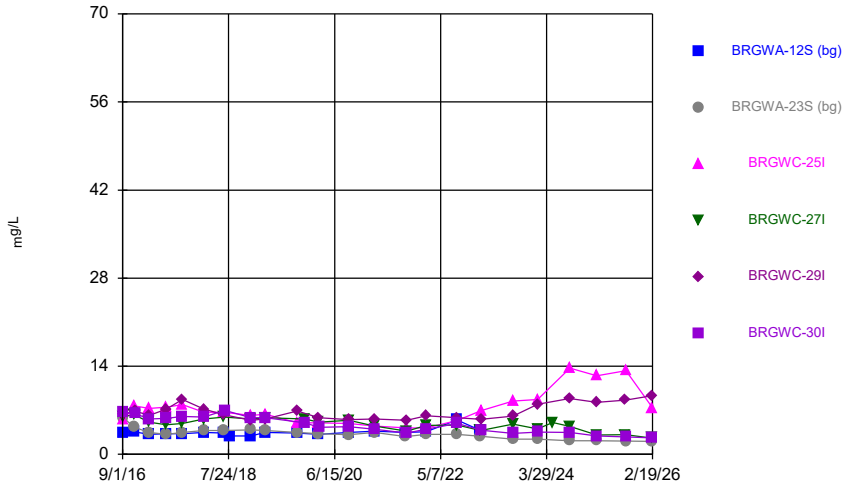


Constituent: Chloride Analysis Run 5/29/2026 10:57 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

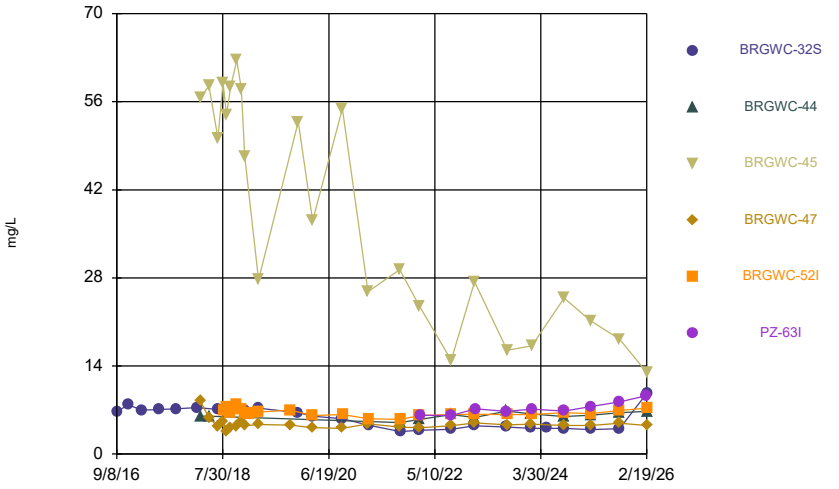


Constituent: Chloride Analysis Run 5/29/2026 10:57 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

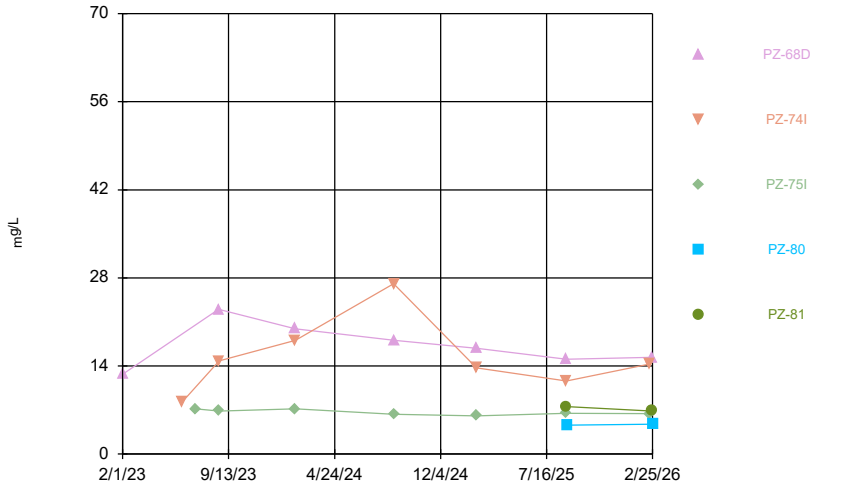


Constituent: Chloride Analysis Run 5/29/2026 10:57 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

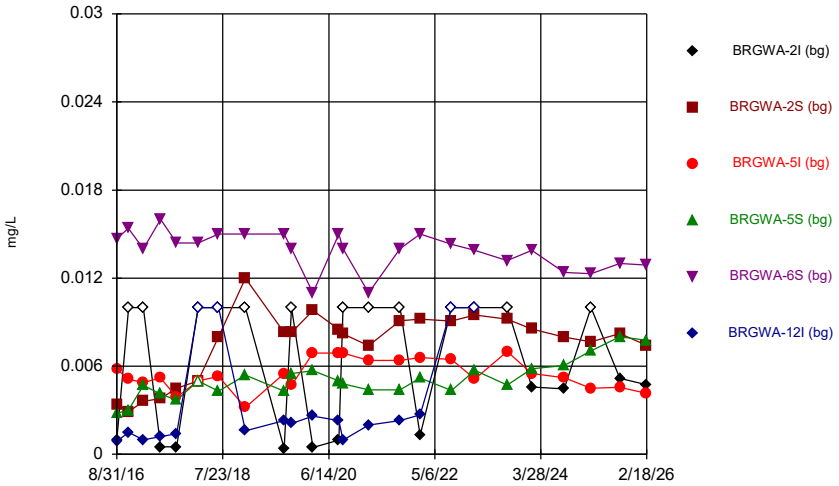


Constituent: Chloride Analysis Run 5/29/2026 10:58 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

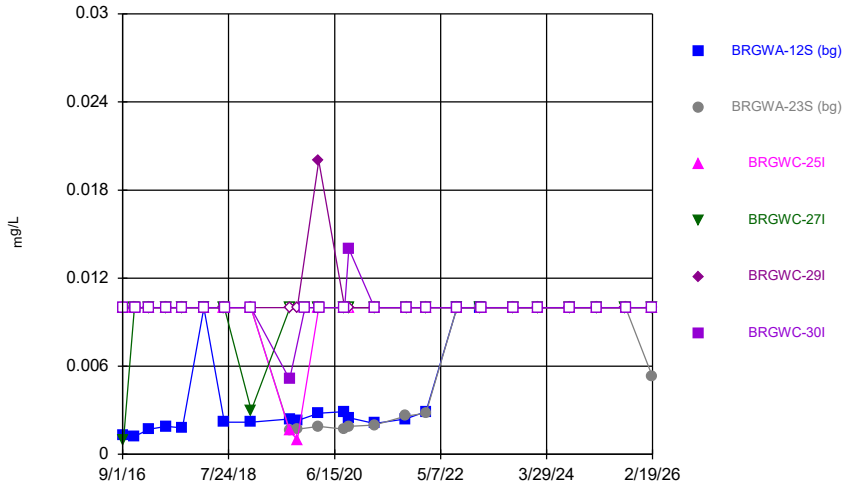
Time Series



Constituent: Chromium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

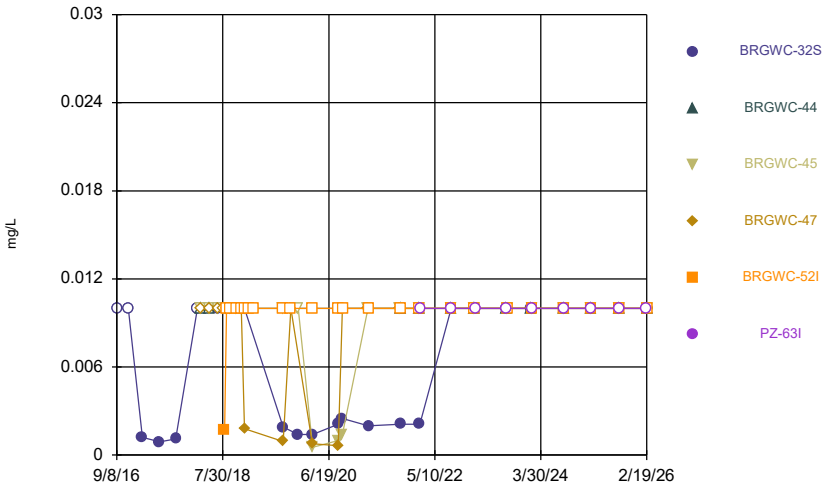
Time Series



Constituent: Chromium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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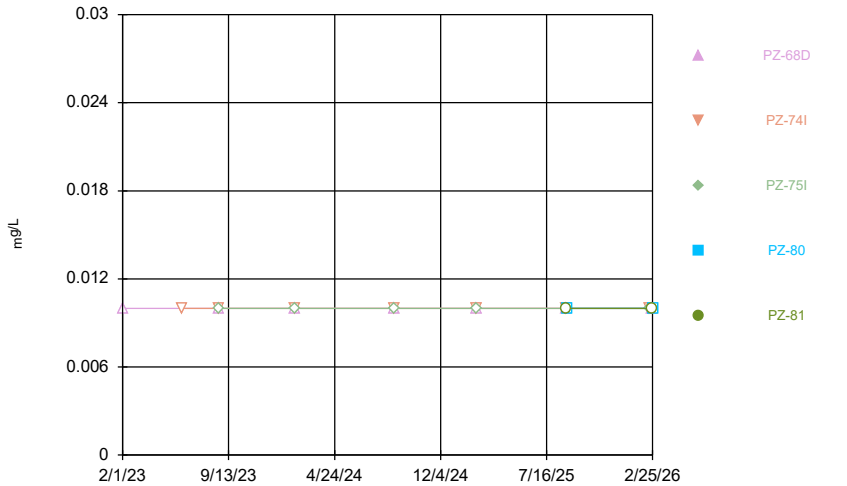
Time Series



Constituent: Chromium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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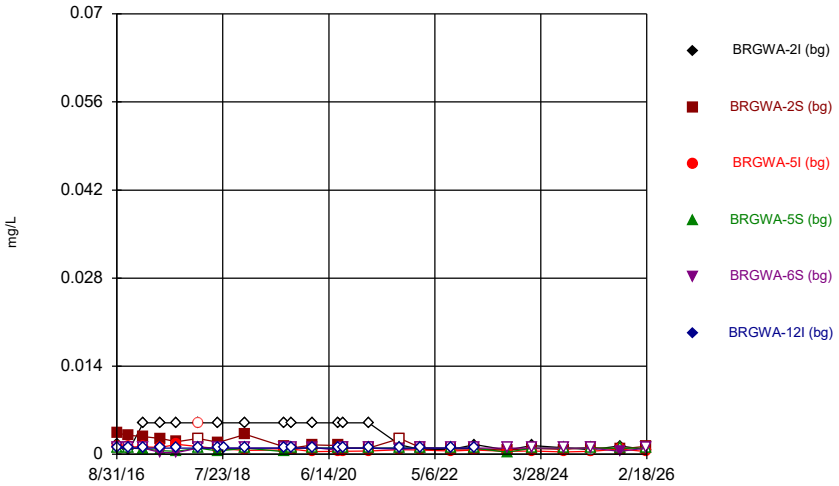
Time Series



Constituent: Chromium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

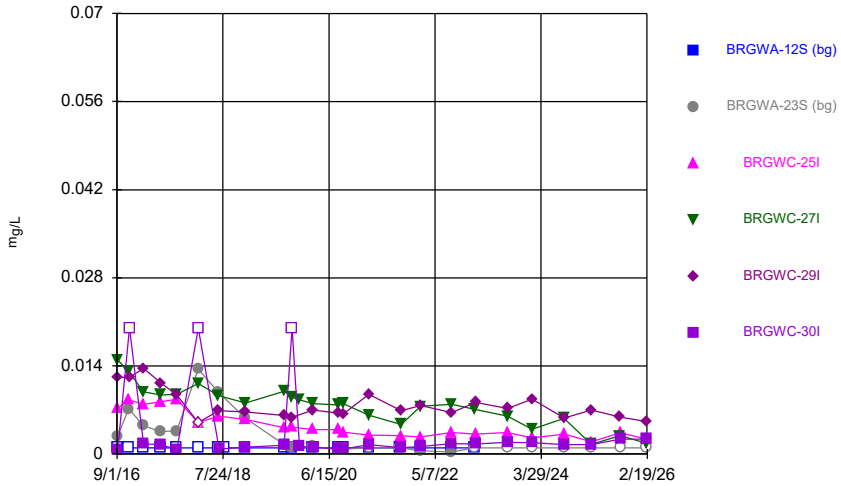
Time Series



Constituent: Cobalt Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

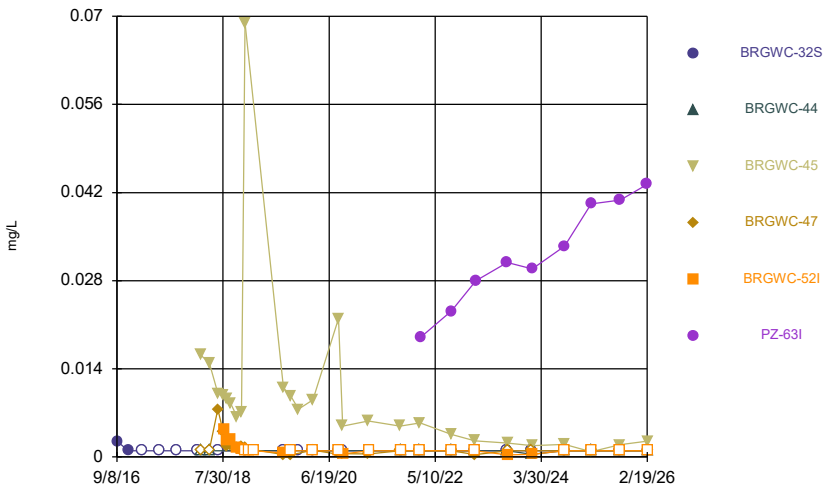
Time Series



Constituent: Cobalt Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

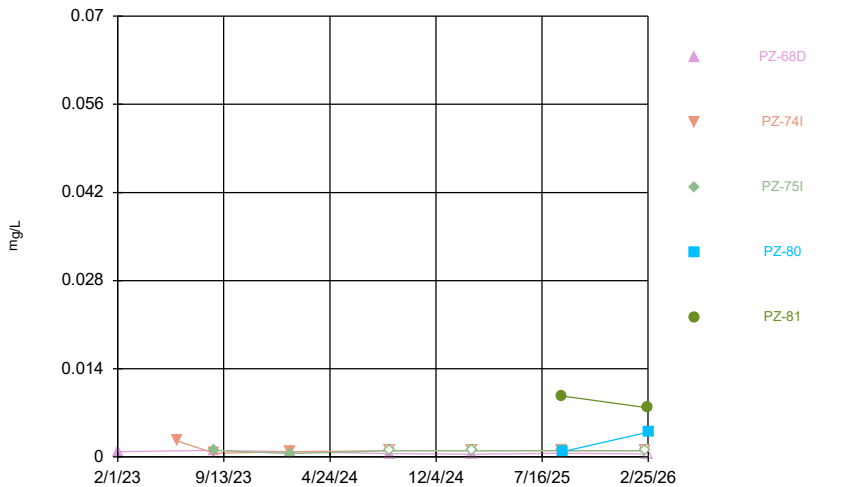
Time Series



Constituent: Cobalt Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

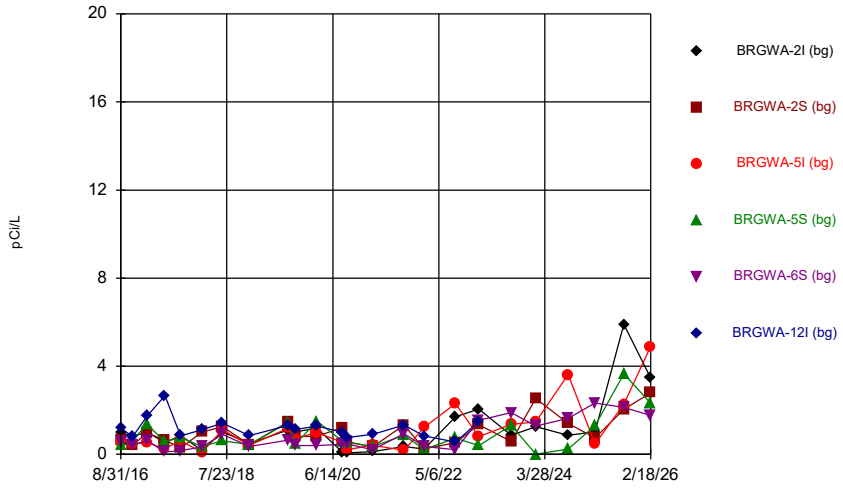
Time Series



Constituent: Cobalt Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

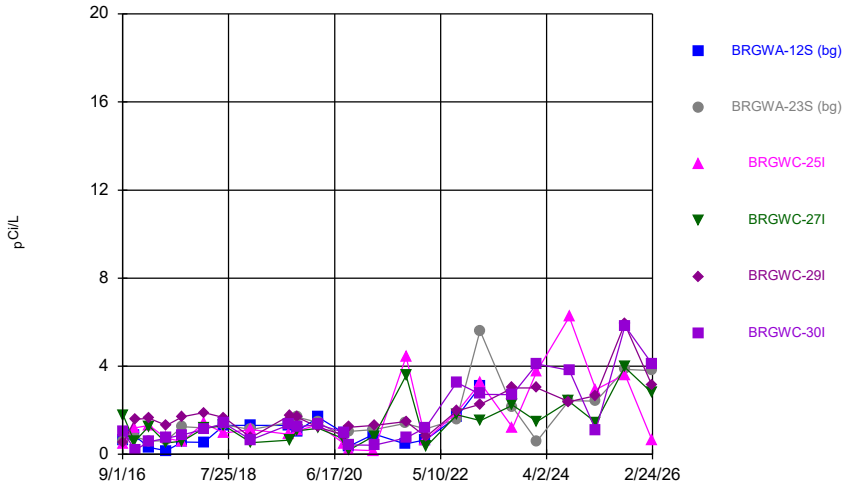
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

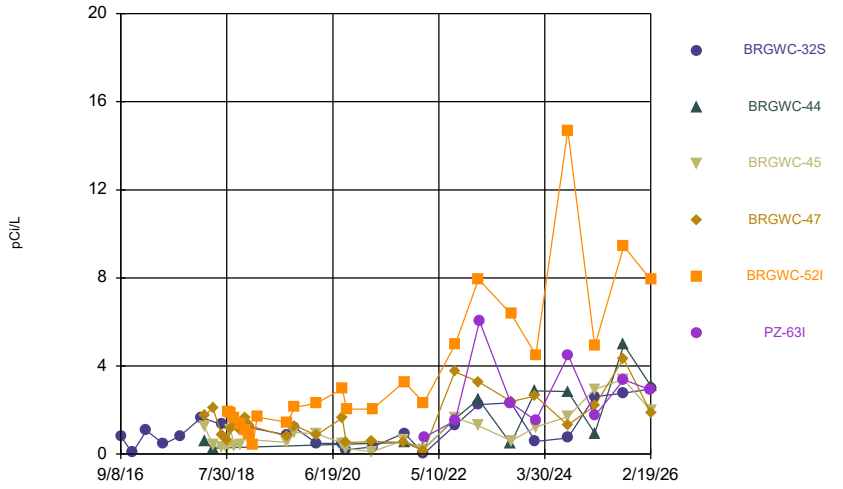
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

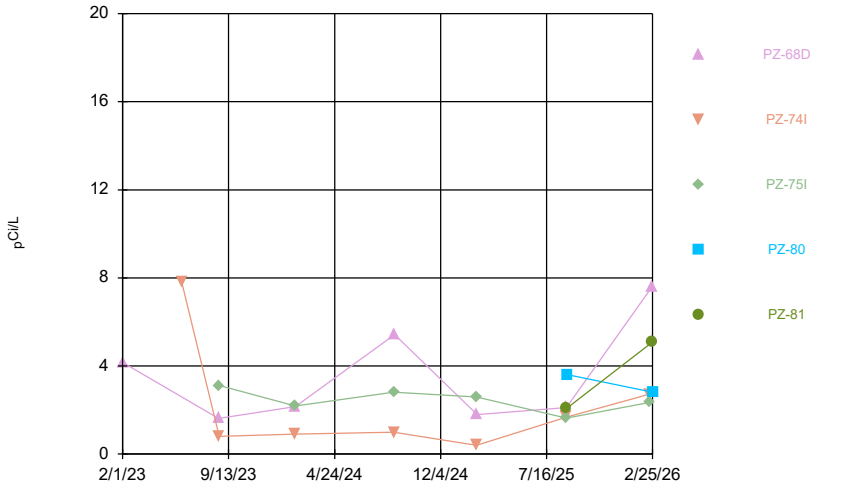
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

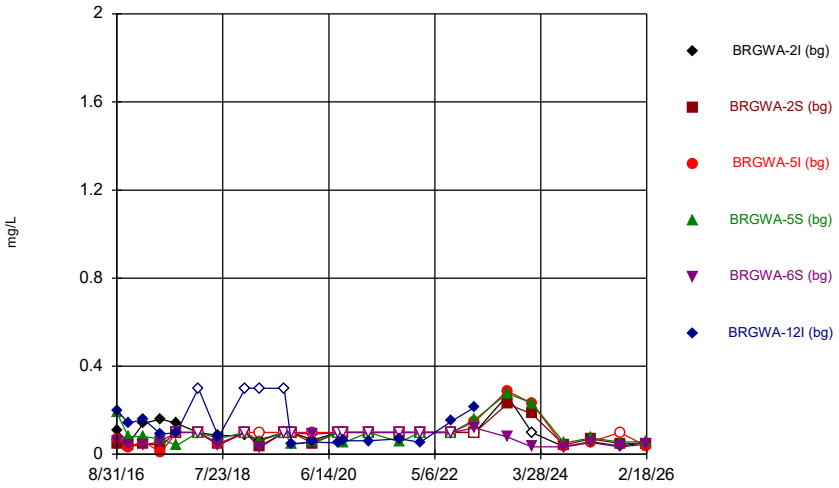
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

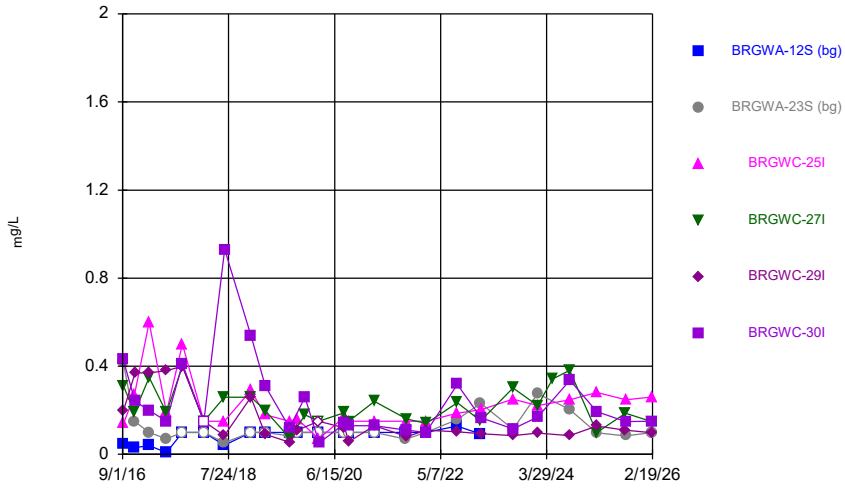
Time Series



Constituent: Fluoride Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

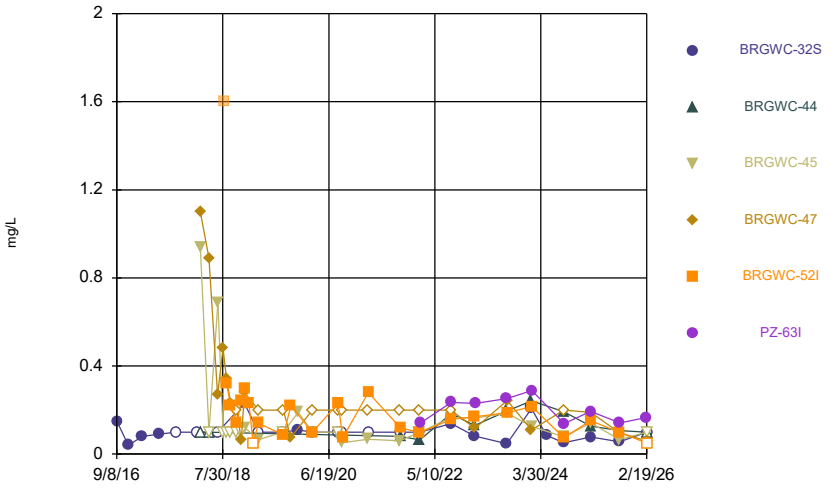
Time Series



Constituent: Fluoride Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

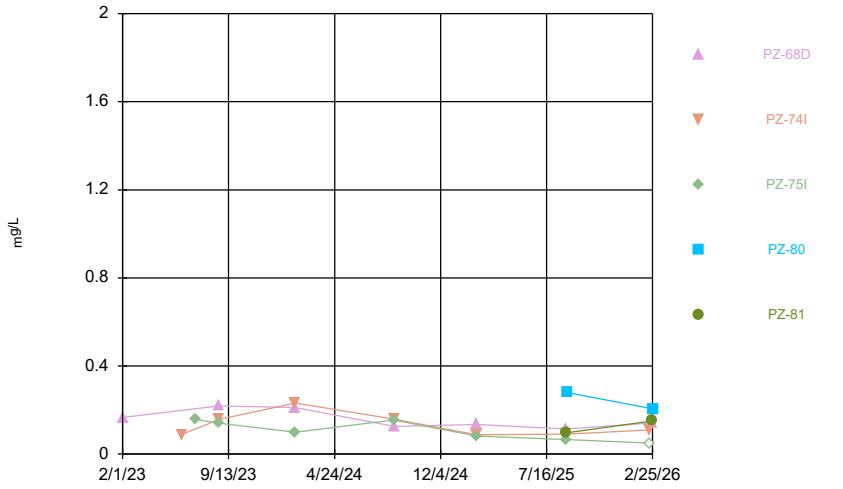
Time Series



Constituent: Fluoride Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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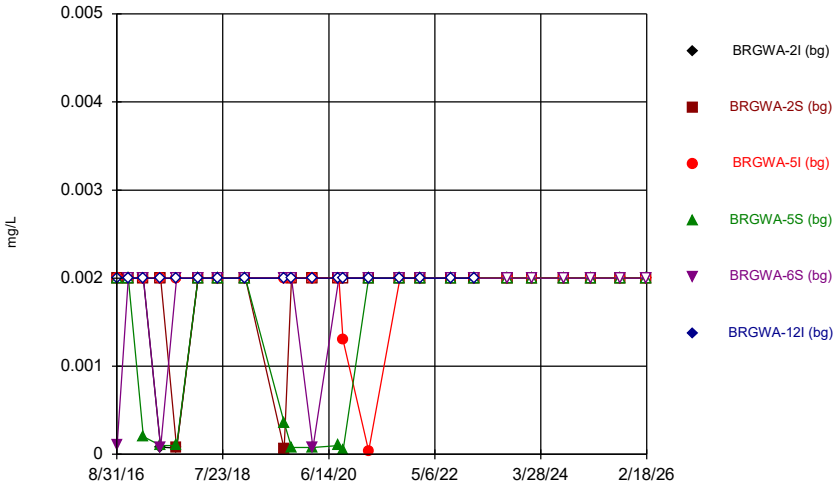
Time Series



Constituent: Fluoride Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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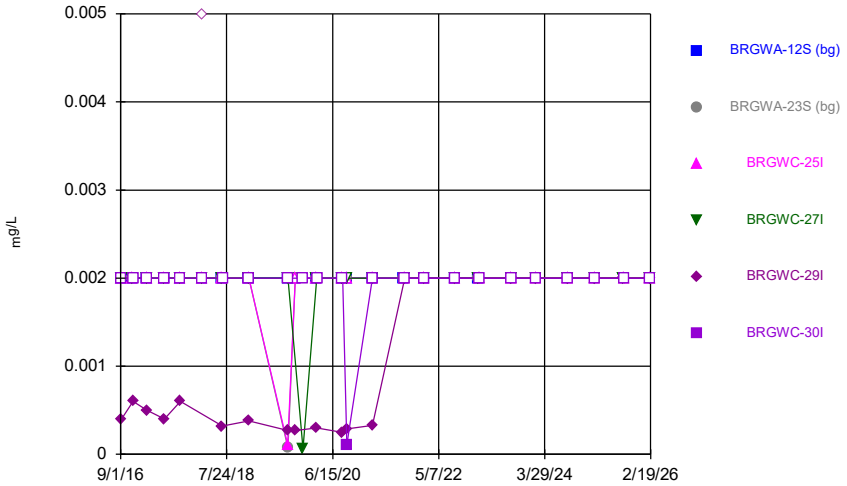
Time Series



Constituent: Lead Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

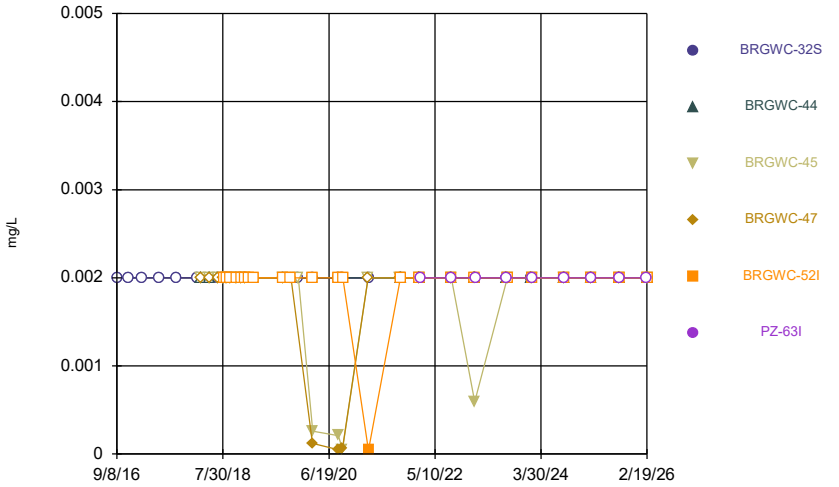
Time Series



Constituent: Lead Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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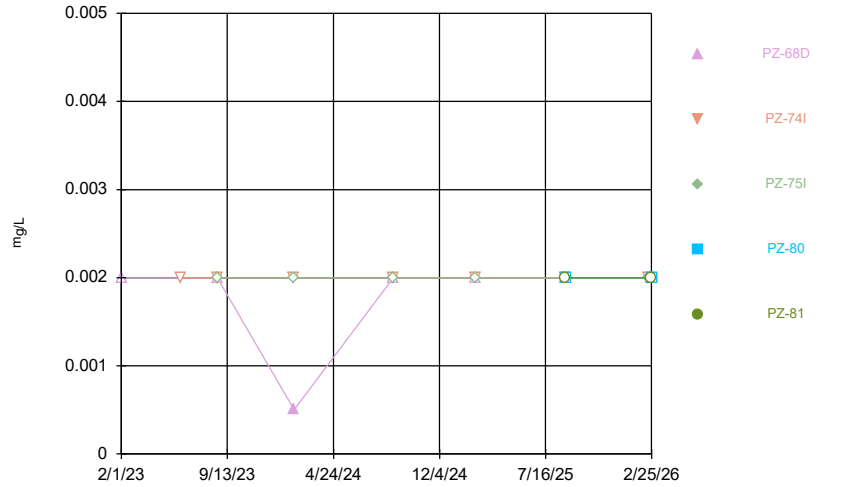
Time Series



Constituent: Lead Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

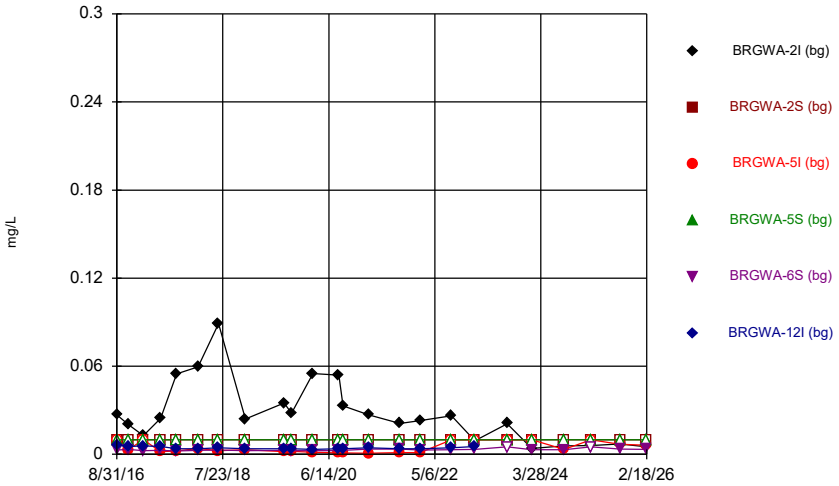
Time Series



Constituent: Lead Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

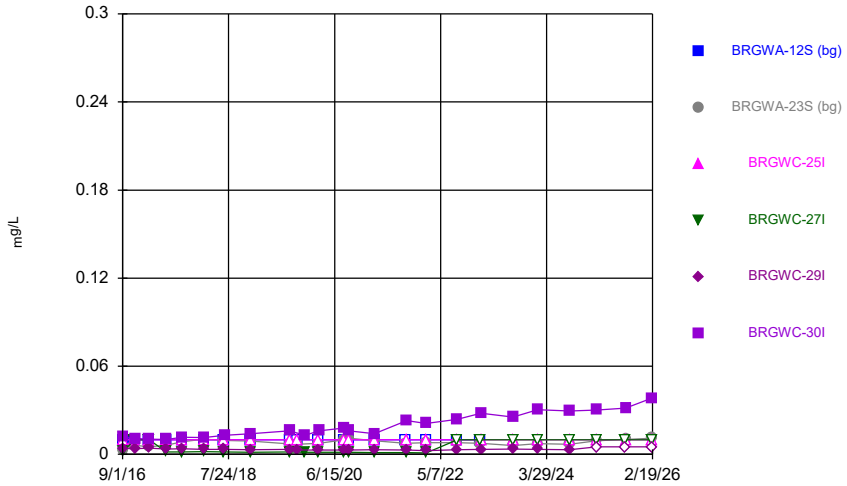
Time Series



Constituent: Lithium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

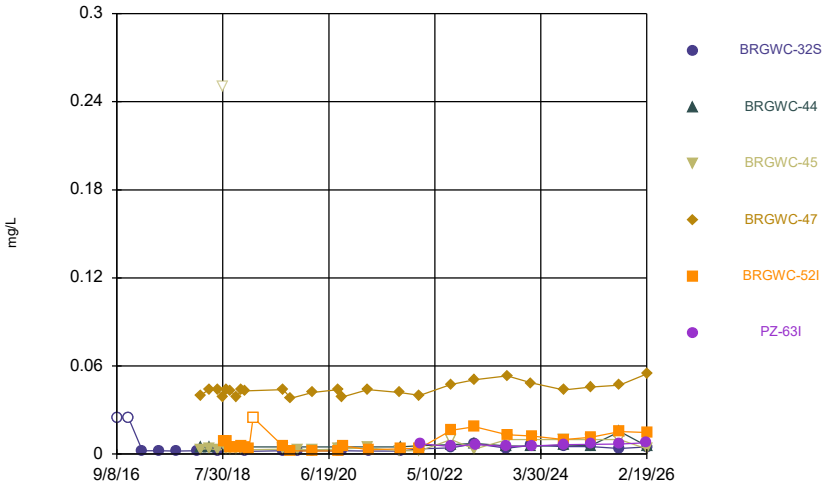
Time Series



Constituent: Lithium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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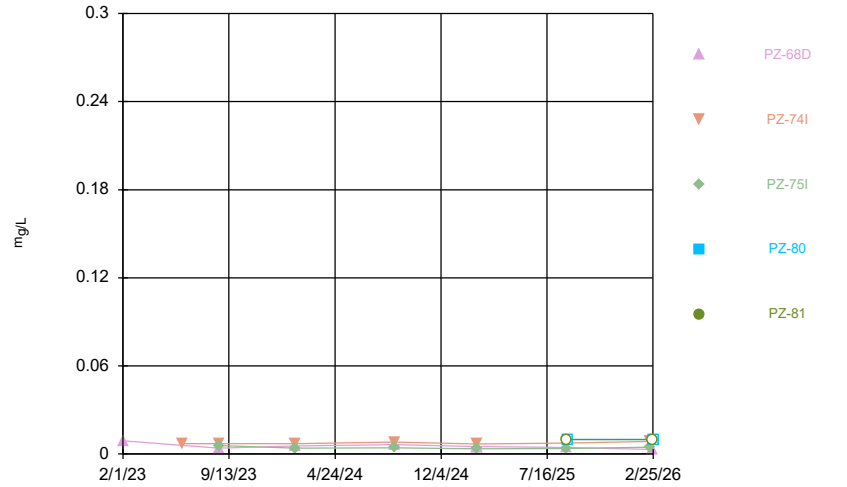
Time Series



Constituent: Lithium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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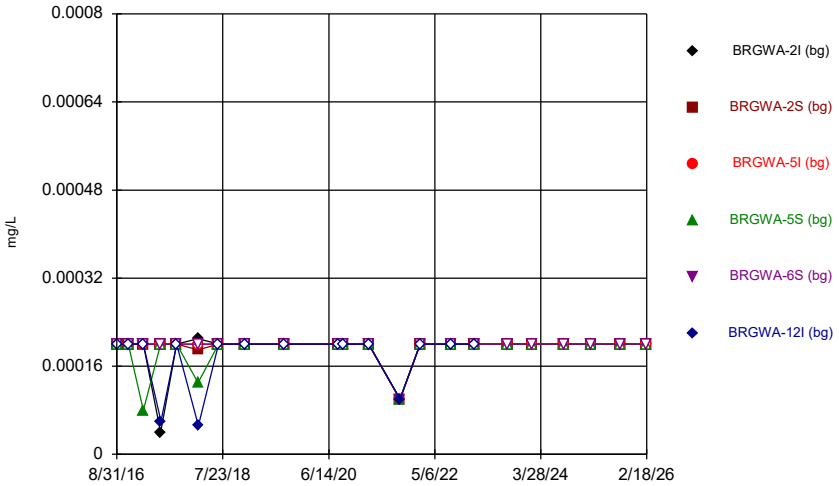
Time Series



Constituent: Lithium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

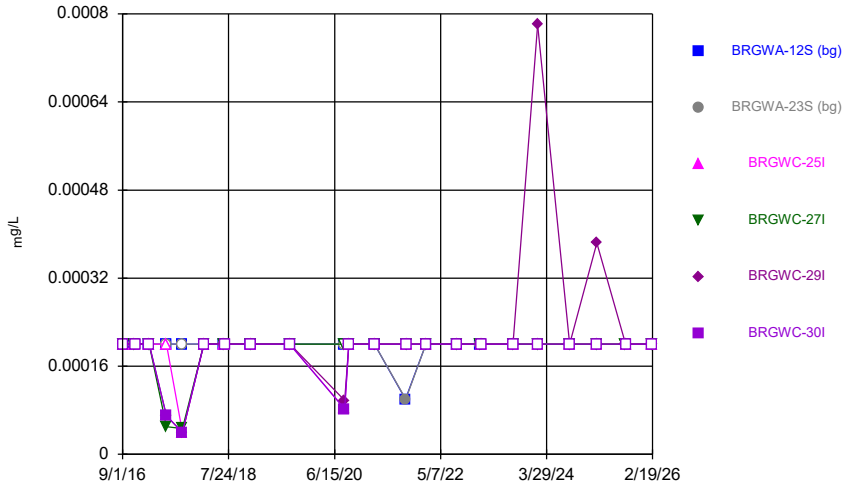
Time Series



Constituent: Mercury Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

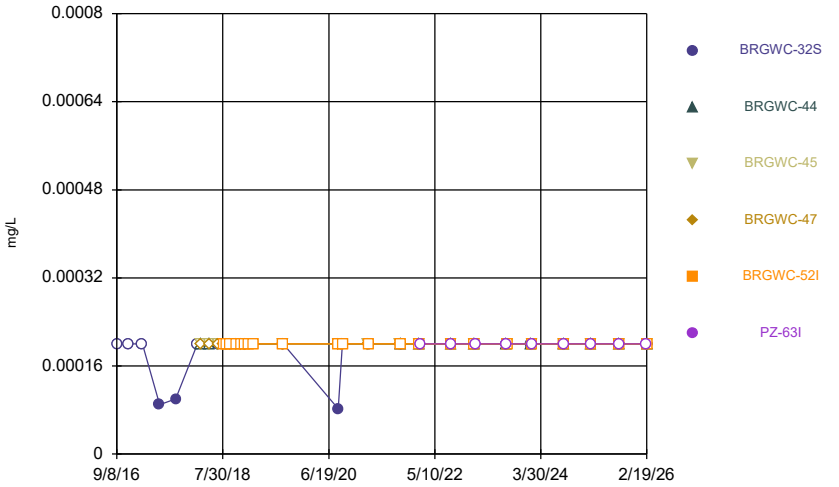
Time Series



Constituent: Mercury Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

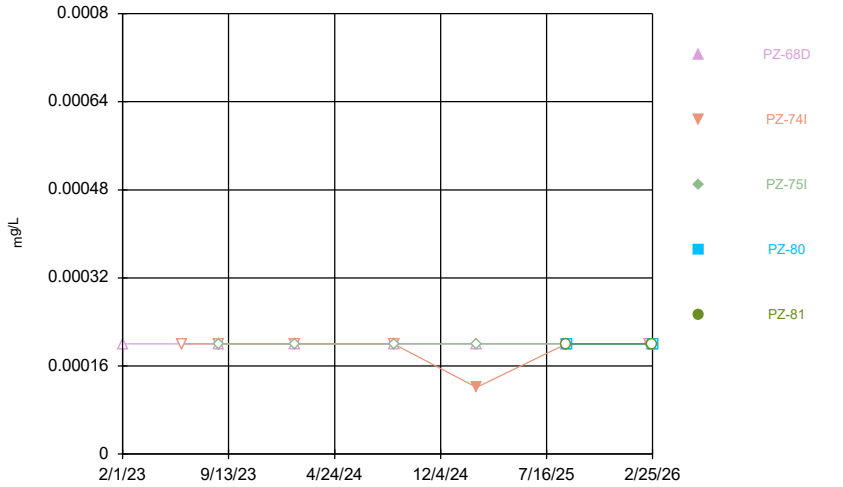
Time Series



Constituent: Mercury Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

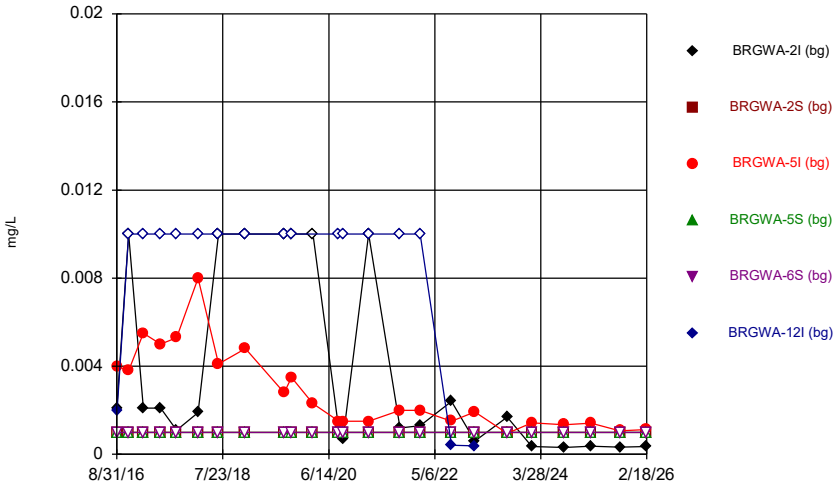
Time Series



Constituent: Mercury Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

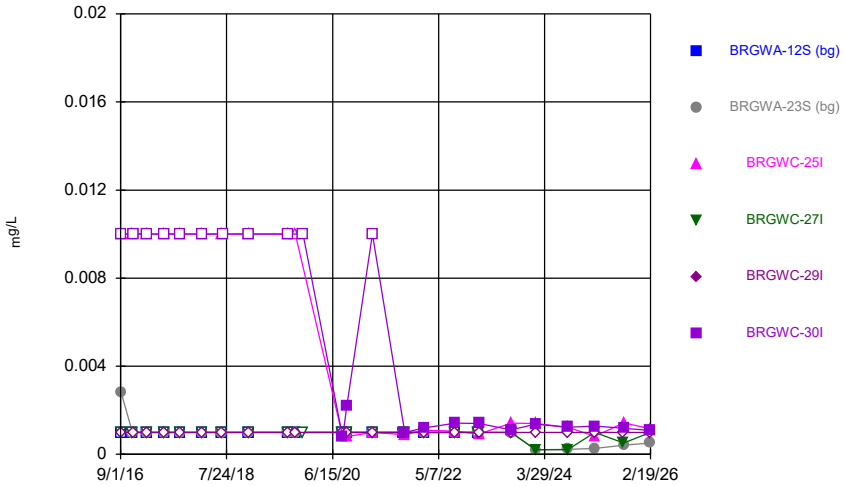
Time Series



Constituent: Molybdenum Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

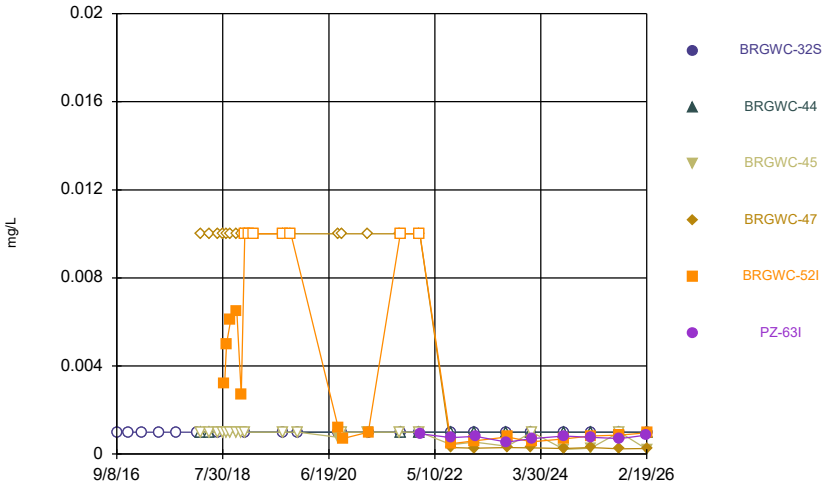
Time Series



Constituent: Molybdenum Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

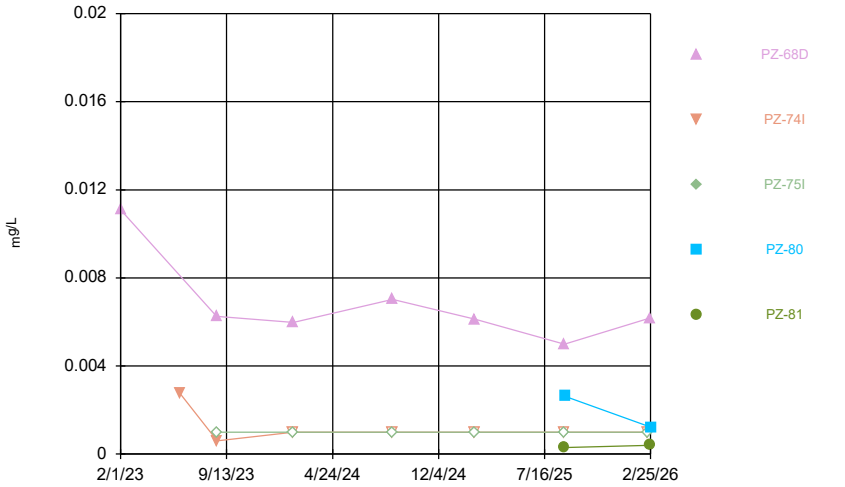
Time Series



Constituent: Molybdenum Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

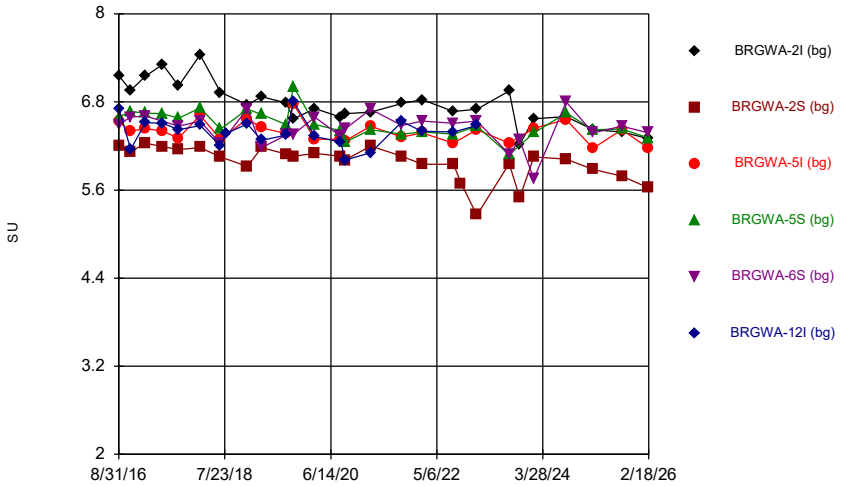
Time Series



Constituent: Molybdenum Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

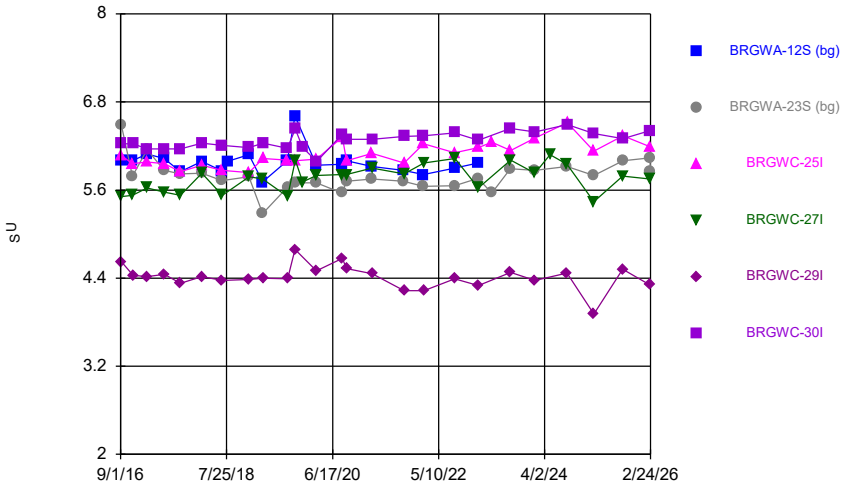
Time Series



Constituent: pH, Field Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

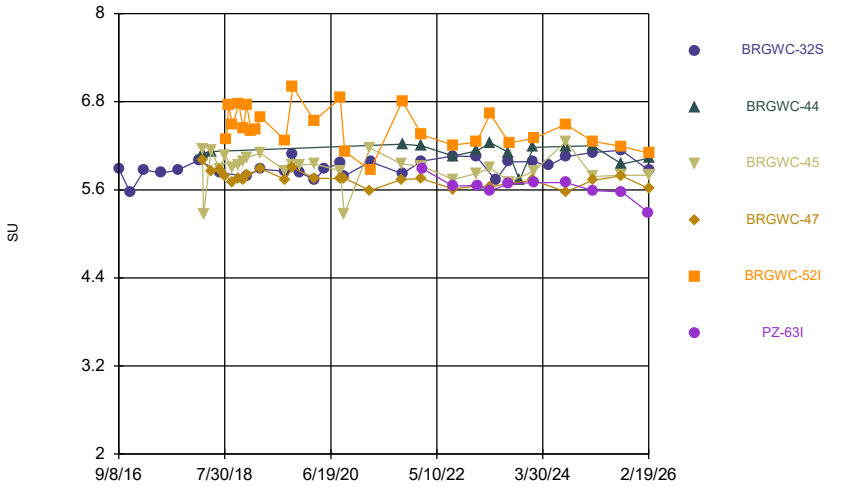
Time Series



Constituent: pH, Field Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

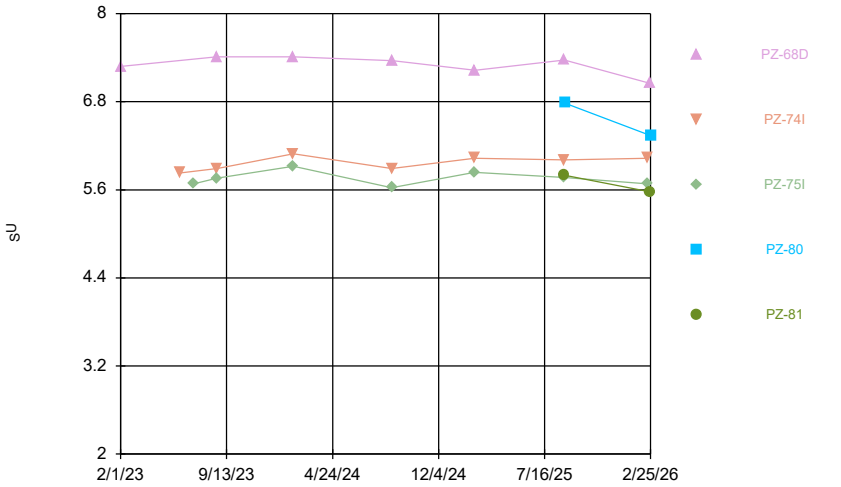
Time Series



Constituent: pH, Field Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

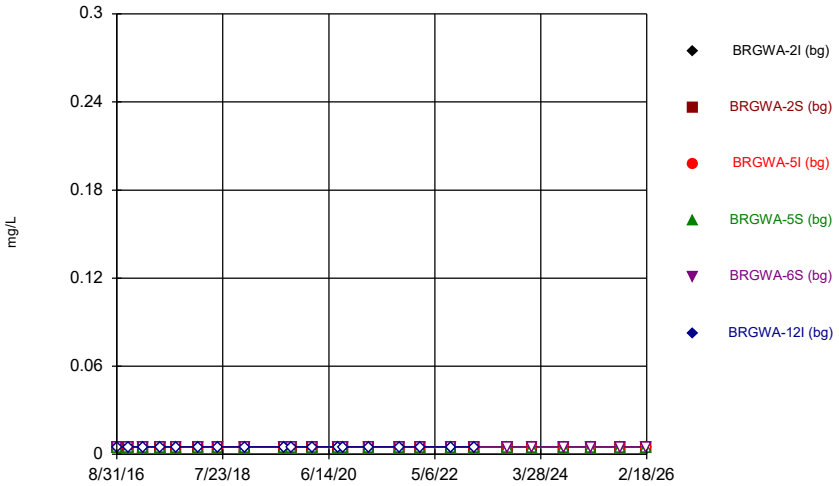
Time Series



Constituent: pH, Field Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

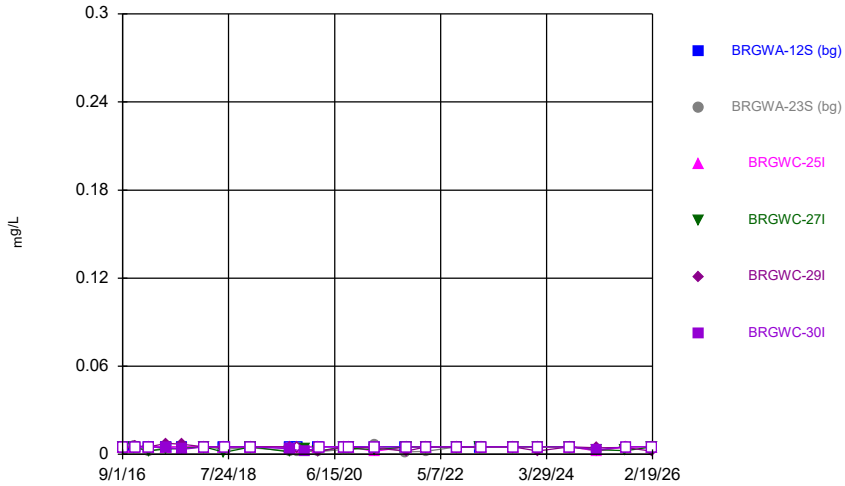
Time Series



Constituent: Selenium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

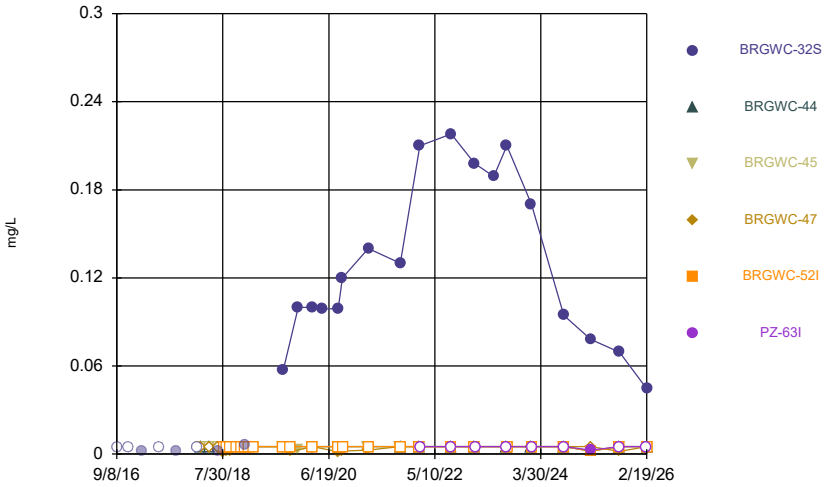
Time Series



Constituent: Selenium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

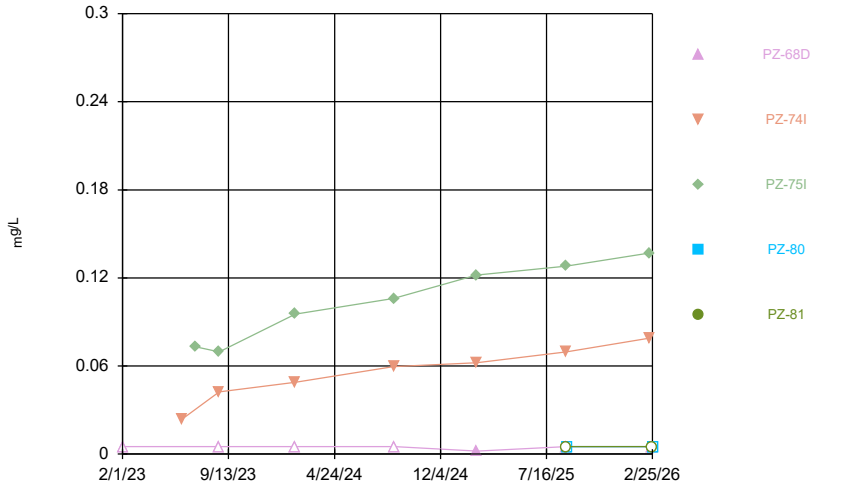
Time Series



Constituent: Selenium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

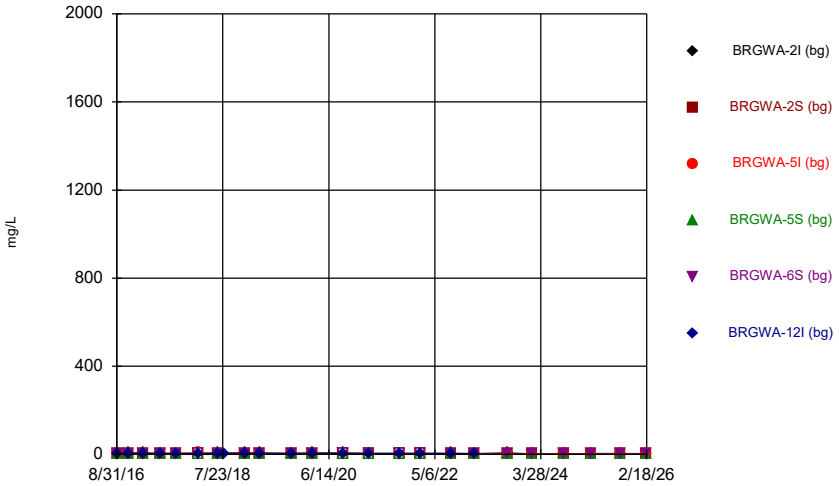
Time Series



Constituent: Selenium Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

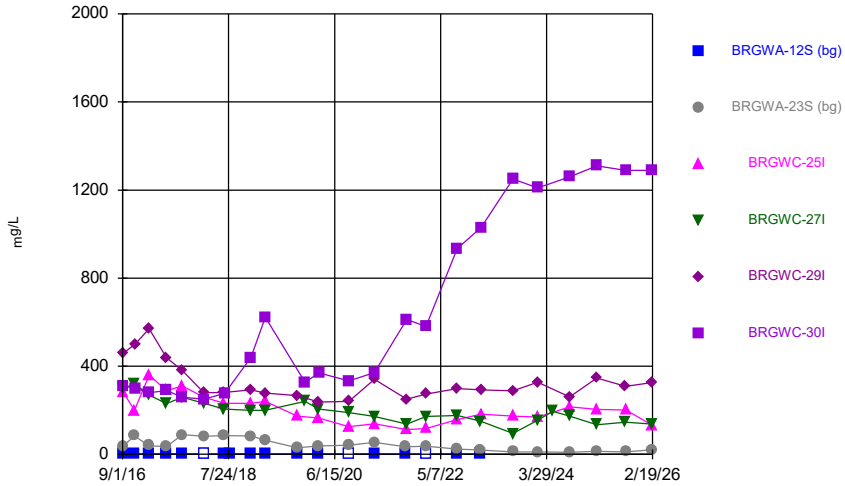
Time Series



Constituent: Sulfate Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

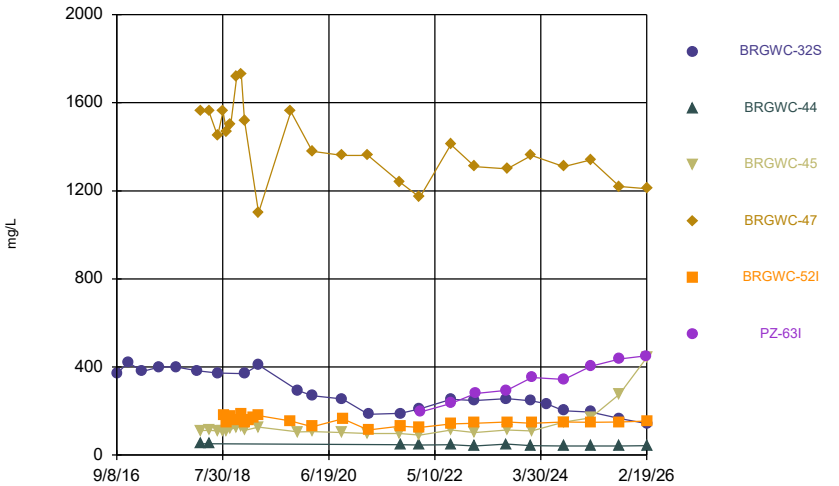
Time Series



Constituent: Sulfate Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

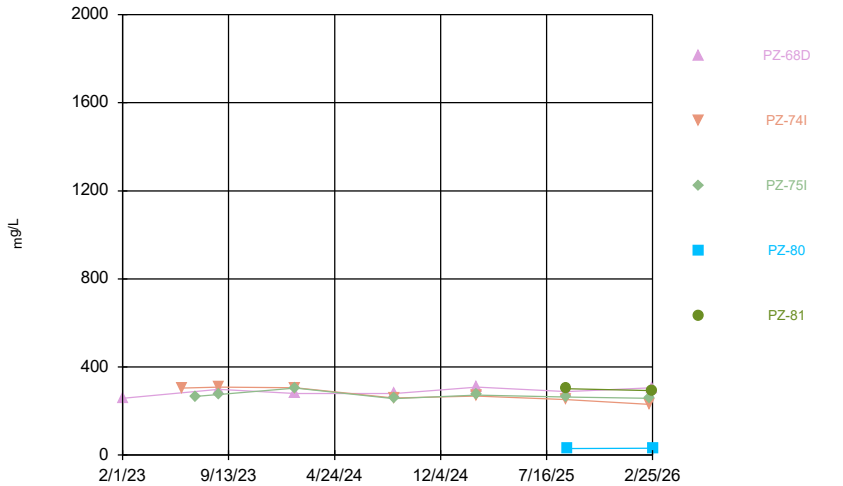
Time Series



Constituent: Sulfate Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

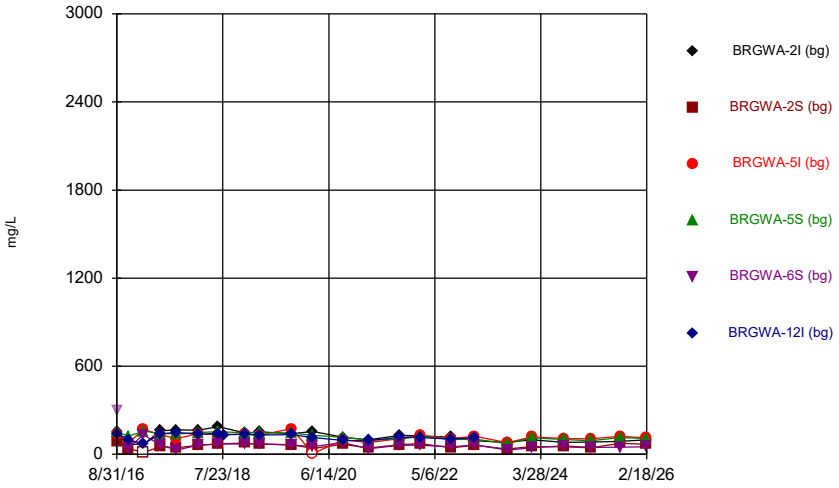
Time Series



Constituent: Sulfate Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

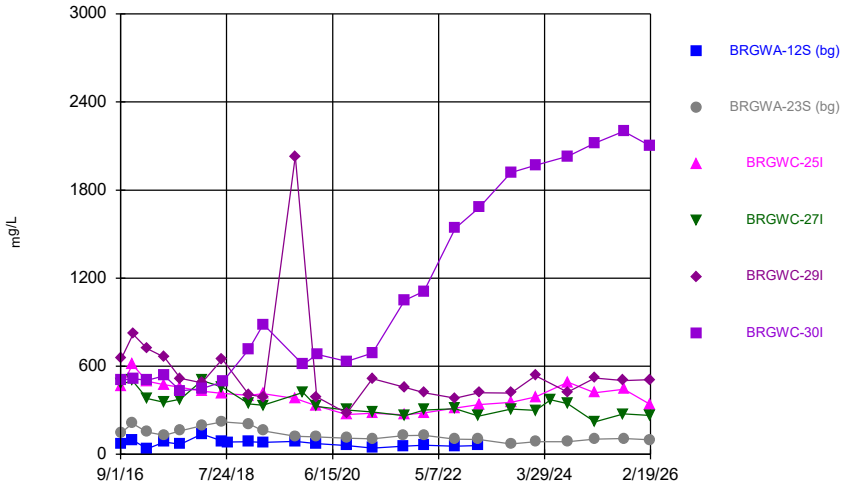
Time Series



Constituent: TDS Analysis Run 5/29/2026 10:58 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

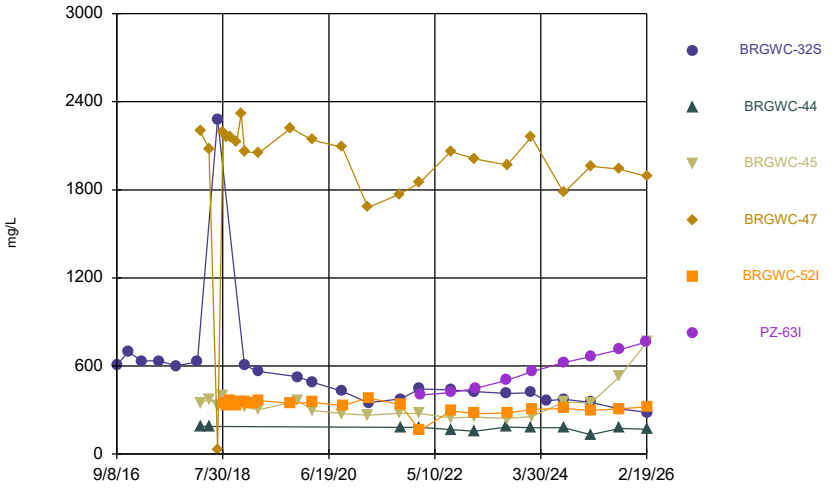
Time Series



Constituent: TDS Analysis Run 5/29/2026 10:59 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

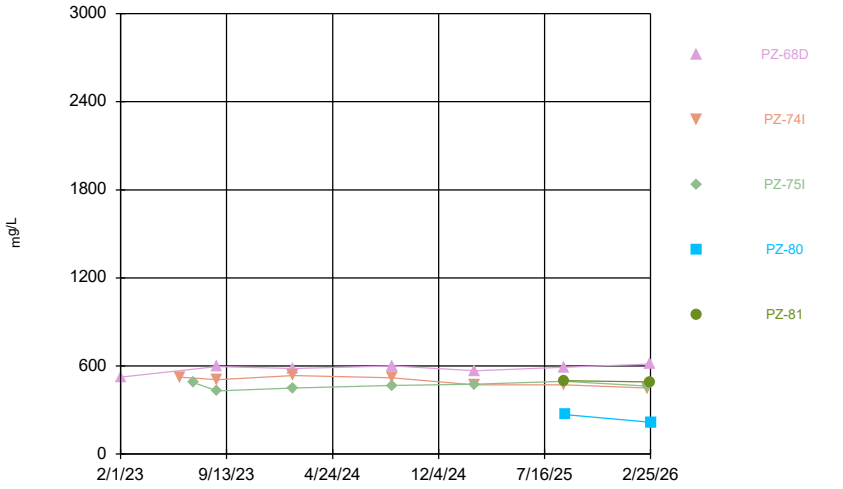
Time Series



Constituent: TDS Analysis Run 5/29/2026 10:59 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

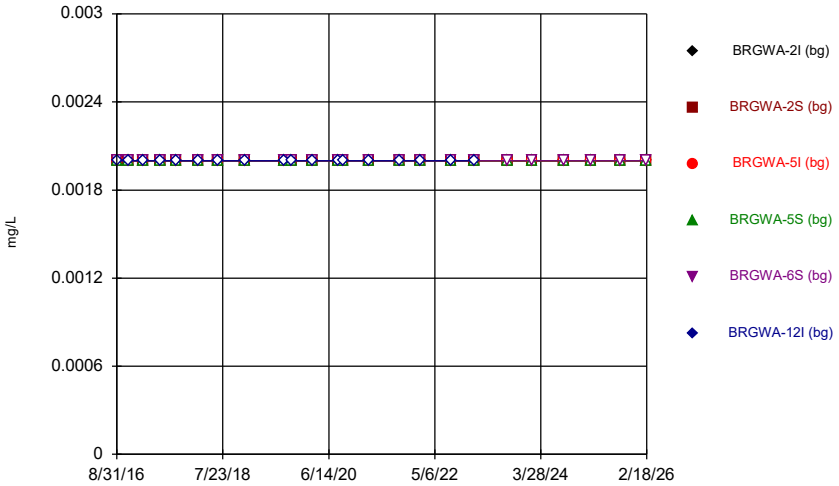
Time Series



Constituent: TDS Analysis Run 5/29/2026 10:59 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

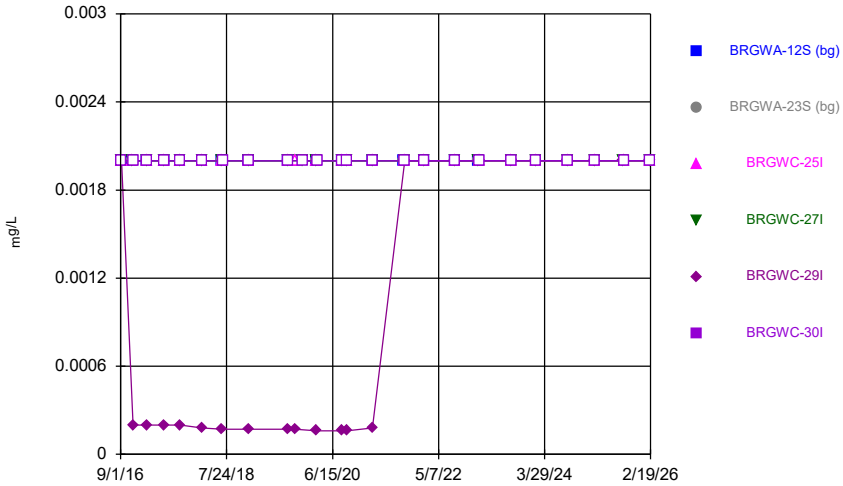
Time Series



Constituent: Thallium Analysis Run 5/29/2026 10:59 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

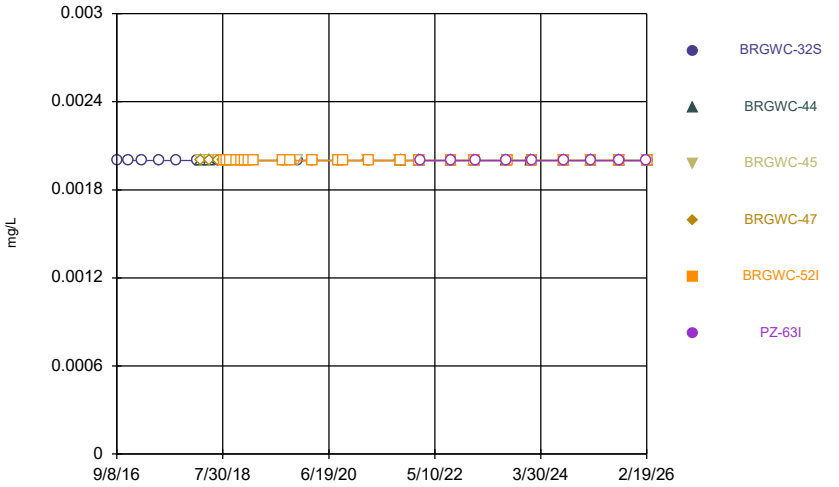
Time Series



Constituent: Thallium Analysis Run 5/29/2026 10:59 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

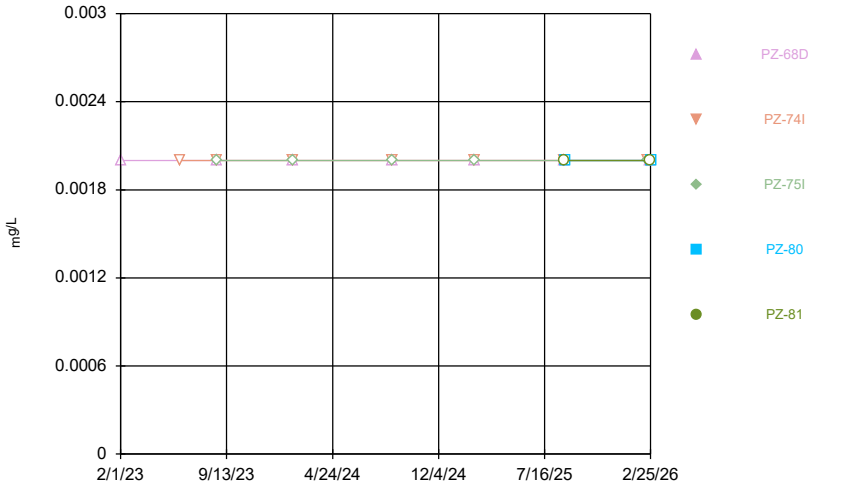
Time Series



Constituent: Thallium Analysis Run 5/29/2026 10:59 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 5/29/2026 10:59 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0009 (J)	<0.003	<0.003	<0.003		
9/1/2016					<0.003	0.0015 (J)
11/15/2016				<0.003	<0.003	
11/16/2016	<0.003	<0.003	<0.003			<0.003
2/20/2017			<0.003	<0.003	<0.003	
2/21/2017	<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						0.0014 (J)
9/26/2017	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003	
2/14/2018						<0.003
6/26/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/18/2018	<0.003	<0.003	<0.003	0.00087 (J)	<0.003	0.009
8/27/2019	<0.003	<0.003	<0.003	<0.003	<0.003	0.0072
10/15/2019	0.00047 (J)	<0.003	<0.003	<0.003	<0.003	0.012
3/3/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.0063
8/18/2020	0.00054 (J)	0.00042 (J)	<0.003	0.0016 (J)	<0.003	0.0067
9/15/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.01
3/1/2021	<0.003				<0.003	
3/2/2021		<0.003	<0.003	<0.003		0.0095
9/21/2021			<0.003	<0.003		0.017
9/22/2021	<0.003	<0.003			<0.003	
2/1/2022	<0.003	<0.003	<0.003	<0.003	<0.003	0.011
8/23/2022	<0.003	<0.003	<0.003	<0.003	<0.003	0.0241
1/24/2023	<0.003	<0.003	<0.003	<0.003	<0.003	0.0245
8/22/2023	<0.003	<0.003	<0.003	<0.003	<0.003	
1/30/2024	<0.003	<0.003	<0.003	<0.003	<0.003	
8/27/2024	<0.003	<0.003	<0.003	<0.003	<0.003	
2/18/2025	<0.003	<0.003	<0.003	<0.003	<0.003	
8/26/2025	<0.003	<0.003	<0.003	<0.003	<0.003	
2/18/2026	<0.003	<0.003	<0.003	<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.003					
9/6/2016		<0.003				<0.003
9/8/2016			<0.003	<0.003	<0.003	
11/16/2016	0.0011 (J)					
11/17/2016		<0.003	<0.003			
11/18/2016				<0.003		
11/21/2016					<0.003	<0.003
2/21/2017	<0.003	<0.003	<0.003	<0.003		
2/22/2017					<0.003	<0.003
6/13/2017	0.0009 (J)	<0.003	<0.003	<0.003		
6/14/2017					0.0007 (J)	<0.003
9/26/2017	0.0032	<0.003				
9/27/2017			<0.003	<0.003	<0.003	<0.003
2/14/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
6/26/2018	<0.003	0.002 (J)	<0.003			
6/27/2018				<0.003	<0.003	
6/28/2018						<0.003
12/18/2018	<0.003	<0.003	<0.003		<0.003	<0.003
12/20/2018				<0.003		
8/27/2019	<0.003		<0.003			<0.003
8/28/2019				<0.003	<0.003	
8/29/2019		<0.003				
10/15/2019	<0.003	<0.003	<0.003			
10/16/2019					<0.003	
12/4/2019				<0.003		<0.003
3/3/2020	<0.003					
3/4/2020		<0.003	<0.003	<0.003	<0.003	
3/5/2020						<0.003
8/18/2020	<0.003	<0.003				
8/19/2020			<0.003	<0.003	<0.003	<0.003
9/15/2020	<0.003	0.00033 (J)	<0.003		<0.003	
9/16/2020				<0.003		<0.003
3/2/2021	<0.003	<0.003	<0.003			
3/3/2021				<0.003	<0.003	<0.003
9/21/2021	<0.003					
9/22/2021		<0.003				
9/28/2021			<0.003	<0.003	<0.003	<0.003
2/1/2022	<0.003	<0.003				
2/2/2022			<0.003			0.0013 (J)
2/3/2022					<0.003	
2/4/2022				<0.003		
8/23/2022	<0.003	<0.003	<0.003			
8/24/2022					<0.003	<0.003
8/25/2022				<0.003		
1/24/2023	<0.003	<0.003				
1/25/2023				<0.003		
1/26/2023			<0.003		<0.003	<0.003
8/22/2023		<0.003				<0.003
8/24/2023			<0.003	<0.003	<0.003	
1/30/2024		<0.003				<0.003
1/31/2024			<0.003	<0.003	<0.003	
8/27/2024		<0.003		<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.003
8/29/2024			<0.003			
2/18/2025		<0.003				
2/19/2025			<0.003	<0.003	<0.003	<0.003
8/26/2025				<0.003	<0.003	
8/27/2025		<0.003				<0.003
8/28/2025			<0.003			
2/19/2026		<0.003	<0.003	<0.003	<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.003					
11/21/2016	<0.003					
2/22/2017	<0.003					
6/14/2017	<0.003					
9/27/2017	<0.003					
2/14/2018	<0.003					
3/6/2018		<0.003	<0.003	<0.003		
5/1/2018		<0.003	<0.003	<0.003		
6/27/2018	<0.003			<0.003		
6/28/2018			<0.003			
7/31/2018			<0.003			
8/1/2018				<0.003		
8/10/2018					<0.003	
8/23/2018			<0.003	<0.003	0.00085 (J)	
9/19/2018			<0.003	<0.003	<0.003	
10/29/2018			<0.003	<0.003	<0.003	
11/28/2018			<0.003	<0.003	<0.003	
12/19/2018	<0.003			<0.003		
12/20/2018			0.0024 (J)		<0.003	
1/17/2019					<0.003	
2/13/2019					<0.003	
8/27/2019	<0.003					
8/28/2019			0.00046 (J)	<0.003		
8/29/2019					<0.003	
10/16/2019				<0.003	<0.003	
12/3/2019			0.00088 (J)			
12/4/2019	<0.003					
3/4/2020				<0.003	0.00043 (J)	
3/5/2020	0.0014 (J)		0.0016 (J)			
8/19/2020	<0.003					
8/20/2020			0.0031	<0.003	<0.003	
9/16/2020	<0.003		0.0012 (J)	0.00035 (J)		
9/17/2020					<0.003	
3/2/2021			0.0014 (J)	<0.003		
3/4/2021	<0.003				0.00091 (J)	
9/23/2021			<0.003	<0.003		
9/28/2021	<0.003	<0.003			<0.003	
2/2/2022	<0.003	<0.003	<0.003	<0.003	<0.003	
2/4/2022						<0.003
8/23/2022				<0.003		
8/25/2022	<0.003	<0.003	<0.003		<0.003	<0.003
1/24/2023	<0.003					
1/25/2023		<0.003	<0.003		<0.003	
1/26/2023				<0.003		
1/30/2023						<0.003
8/22/2023	<0.003					
8/23/2023		<0.003				<0.003
8/24/2023			<0.003	<0.003	<0.003	
1/30/2024	<0.003	<0.003		<0.003		
2/1/2024			<0.003		<0.003	<0.003
8/27/2024		<0.003				
8/28/2024	<0.003			<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.003			<0.003
2/18/2025				<0.003		
2/19/2025	<0.003	<0.003	<0.003		<0.003	<0.003
8/26/2025	<0.003		<0.003	<0.003		
8/27/2025		<0.003			<0.003	<0.003
2/18/2026						<0.003
2/19/2026	<0.003	<0.003	<0.003	<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.00176 (J)				
6/6/2023		<0.003			
8/23/2023	<0.003				
8/24/2023		<0.003	<0.003		
2/1/2024	<0.003	<0.003	<0.003		
8/27/2024		<0.003	<0.003		
8/29/2024	<0.003				
2/18/2025		<0.003	<0.003		
2/19/2025	<0.003				
8/27/2025	<0.003	<0.003	<0.003		<0.003
8/28/2025				<0.003	
2/19/2026		<0.003	<0.003		
2/24/2026	<0.003				<0.003
2/25/2026				<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.005	<0.005	<0.005	<0.005		
9/1/2016					<0.005	<0.005
11/15/2016				<0.005	<0.005	
11/16/2016	<0.005	<0.005	<0.005			<0.005
2/20/2017			<0.005	<0.005	<0.005	
2/21/2017	<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						0.0009 (J)
9/26/2017	0.001 (J)	<0.005	0.0009 (J)	0.0007 (J)	0.0007 (J)	0.0012 (J)
2/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005	
2/14/2018						<0.005
6/26/2018	0.00062 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
12/18/2018	<0.005	0.00082 (J)	0.00097 (J)	0.0011 (J)	0.00092 (J)	<0.005
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/15/2019	0.0008 (J)	0.00063 (J)	0.00058 (J)	0.00039 (J)	<0.005	0.00088 (J)
3/3/2020	0.0027 (J)	0.00098 (J)	0.0024 (J)	0.0027 (J)	0.0018 (J)	0.0023 (J)
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/1/2021	<0.005				<0.005	
3/2/2021		<0.005	<0.005	<0.005		<0.005
9/21/2021			<0.005	<0.005		<0.005
9/22/2021	<0.005	<0.005			<0.005	
2/1/2022	0.0012 (J)	<0.005	0.0013 (J)	0.0012 (J)	<0.005	0.0017 (J)
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	0.0021 (J)	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005	<0.005	
1/30/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
8/27/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
2/18/2025	<0.005	<0.005	<0.005	<0.005	<0.005	
8/26/2025	<0.005	<0.005	<0.005	<0.005	<0.005	
2/18/2026	<0.005	<0.005	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.005					
9/6/2016		<0.005				<0.005
9/8/2016			<0.005	<0.005	<0.005	
11/16/2016	<0.005					
11/17/2016		<0.005	<0.005			
11/18/2016				<0.005		
11/21/2016					0.0019 (J)	<0.005
2/21/2017	<0.005	<0.005	<0.005	<0.005		
2/22/2017					<0.005	<0.005
6/13/2017	<0.005	0.0008 (J)	0.0006 (J)	0.0009 (J)		
6/14/2017					0.002 (J)	<0.005
9/26/2017	0.0006 (J)	0.0012 (J)				
9/27/2017			<0.005	0.0007 (J)	0.0016 (J)	<0.005
2/14/2018	<0.005	0.0007 (J)	<0.005	<0.005	<0.005	<0.005
6/26/2018	<0.005	0.00062 (J)	0.00072 (J)			
6/27/2018				<0.005	<0.005	
6/28/2018						0.00073 (J)
12/18/2018	<0.005	<0.005	0.00091 (J)		<0.005	<0.005
12/20/2018				<0.005		
8/27/2019	<0.005		<0.005			<0.005
8/28/2019				0.0014 (J)	0.00051 (J)	
8/29/2019		<0.005				
10/15/2019	0.00046 (J)	0.00075 (J)	0.00052 (J)			
10/16/2019					0.00065 (J)	
12/4/2019				0.0011 (J)		0.00056 (J)
3/3/2020	0.0015 (J)					
3/4/2020		<0.005	<0.005	<0.005	0.00044 (J)	
3/5/2020						<0.005
8/18/2020	<0.005	<0.005				
8/19/2020			<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005		<0.005	
9/16/2020				<0.005		<0.005
3/2/2021	<0.005	<0.005	<0.005			
3/3/2021				<0.005	0.0015 (J)	<0.005
9/21/2021	<0.005					
9/22/2021		<0.005				
9/28/2021			<0.005	<0.005	<0.005	<0.005
2/1/2022	<0.005	0.0018 (J)				
2/2/2022			<0.005			<0.005
2/3/2022					<0.005	
2/4/2022				<0.005		
8/23/2022	<0.005	<0.005	<0.005			
8/24/2022					<0.005	0.00283 (J)
8/25/2022				<0.005		
1/24/2023	<0.005	<0.005				
1/25/2023				<0.005		
1/26/2023			<0.005		<0.005	0.00208 (J)
8/22/2023		<0.005				<0.005
8/24/2023			<0.005	<0.005	<0.005	
1/30/2024		<0.005				0.002 (J)
1/31/2024			<0.005	<0.005	<0.005	
8/27/2024		<0.005		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.005
8/29/2024			<0.005			
2/18/2025		<0.005				
2/19/2025			<0.005	<0.005	<0.005	<0.005
8/26/2025				<0.005	0.00273 (J)	
8/27/2025		<0.005				0.00408 (J)
8/28/2025			<0.005			
2/19/2026		<0.005	<0.005	<0.005	<0.005	0.00322 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.005					
11/21/2016	<0.005					
2/22/2017	<0.005					
6/14/2017	<0.005					
9/27/2017	<0.005					
2/14/2018	<0.005					
3/6/2018		0.00082 (J)	0.0018 (J)	0.0025 (J)		
5/1/2018		<0.005	0.0021 (J)	0.0016 (J)		
6/27/2018	<0.005			0.0016 (J)		
6/28/2018			0.0017 (J)			
7/31/2018			<0.005			
8/1/2018				0.0028 (J)		
8/10/2018					<0.005	
8/23/2018			0.00075 (J)	<0.005	<0.005	
9/19/2018			<0.005	<0.005	0.0013 (J)	
10/29/2018			<0.005	0.0012 (J)	0.0038 (J)	
11/28/2018			0.00096 (J)	0.0019 (J)	0.0016 (J)	
12/19/2018	<0.005			0.00075 (J)		
12/20/2018			<0.005		0.0032 (J)	
1/17/2019					0.0032 (J)	
2/13/2019					<0.005	
8/27/2019	<0.005					
8/28/2019			0.00058 (J)	0.0018 (J)		
8/29/2019					0.00067 (J)	
10/16/2019				<0.005	0.0026 (J)	
12/3/2019			0.0007 (J)			
12/4/2019	0.00053 (J)					
3/4/2020				0.00049 (J)	0.0047 (J)	
3/5/2020	<0.005		<0.005			
8/19/2020	<0.005					
8/20/2020			<0.005	0.00089 (J)	0.0031 (J)	
9/16/2020	<0.005		<0.005	<0.005		
9/17/2020					<0.005	
3/2/2021			<0.005	<0.005		
3/4/2021	<0.005				0.003 (J)	
9/23/2021			<0.005	0.002 (J)		
9/28/2021	<0.005	<0.005			<0.005	
2/2/2022	<0.005	0.004 (J)	<0.005	0.0056	<0.005	
2/4/2022						<0.005
8/23/2022				0.00228 (J)		
8/25/2022	<0.005	<0.005	<0.005		<0.005	<0.005
1/24/2023	<0.005					
1/25/2023		0.00221 (J)	0.00225 (J)		<0.005	
1/26/2023				0.0024 (J)		
1/30/2023						<0.005
8/22/2023	<0.005					
8/23/2023		<0.005				<0.005
8/24/2023			<0.005	0.0038 (J)	<0.005	
1/30/2024	<0.005	<0.005		<0.005		
2/1/2024			<0.005		<0.005	<0.005
8/27/2024		<0.005				
8/28/2024	<0.005			<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.005			<0.005
2/18/2025				<0.005		
2/19/2025	<0.005	<0.005	<0.005		<0.005	<0.005
8/26/2025	<0.005		<0.005	<0.005		
8/27/2025		<0.005			<0.005	<0.005
2/18/2026						<0.005
2/19/2026	<0.005	<0.005	<0.005	0.0026 (J)	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.0058				
6/6/2023		<0.005			
8/23/2023	0.00342 (J)				
8/24/2023		<0.005	<0.005		
2/1/2024	<0.005	<0.005	<0.005		
8/27/2024		<0.005	<0.005		
8/29/2024	<0.005				
2/18/2025		<0.005	<0.005		
2/19/2025	<0.005				
8/27/2025	0.00211 (J)	<0.005	<0.005		0.00213 (J)
8/28/2025				<0.005	
2/19/2026		<0.005	<0.005		
2/24/2026	<0.005				<0.005
2/25/2026				0.00234 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0239	0.0099 (J)	0.0273	0.0495		
9/1/2016					0.0142	0.0454
11/15/2016				0.0512	0.0126	
11/16/2016	0.0147	0.0102	0.0365			0.0623
2/20/2017			0.0336	0.0586	0.0142	
2/21/2017	0.0109	0.0094 (J)				0.0644
6/12/2017	0.0094 (J)		0.0322	0.0567	0.0134	
6/13/2017		0.0094 (J)				
6/14/2017						0.0726
9/26/2017	0.0156	0.0096 (J)	0.0364	0.0586	0.0133	0.0765
2/13/2018	0.0134	0.0102	0.054	0.054	0.0145	
2/14/2018						0.0786
6/26/2018	0.014	0.0093 (J)	0.032	0.063	0.014	0.063
12/18/2018	0.0076 (J)	0.01	0.038	0.045	0.013	0.067
8/27/2019	0.012	0.0095 (J)	0.028	0.056	0.013	0.058
10/15/2019	0.013	0.0091 (J)	0.032	0.049	0.013	0.06
3/3/2020	0.017	0.011	0.028	0.051	0.019	0.076
8/18/2020	0.01 (J)	0.01	0.022	0.04	0.014	0.053
9/15/2020	0.0083 (J)	0.0094 (J)	0.022	0.038	0.013	0.059
3/1/2021	0.0074				0.016	
3/2/2021		0.0094	0.023	0.037		0.053
9/21/2021			0.025	0.038		0.074
9/22/2021	0.0075	0.0097			0.014	
2/1/2022	0.0066	0.01	0.028	0.04	0.014	0.057
8/23/2022	0.00954	0.012	0.0241	0.0379	0.014	0.0602
1/24/2023	0.00453	0.0118	0.0303	0.0394	0.0132	0.0512
8/22/2023	0.0068	0.0135	0.0245	0.0352	0.0143	
1/30/2024	0.0124	0.0137	0.0296	0.0396	0.0151	
8/27/2024	0.00493	0.0132	0.0314	0.0362	0.0159	
2/18/2025	0.00462	0.0131	0.032	0.0334	0.0142	
8/26/2025	0.00508	0.0133	0.0282	0.0335	0.0155	
2/18/2026	0.00386 (J)	0.0135	0.0279	0.0318	0.0151	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.0528					
9/6/2016		0.0624				0.0206
9/8/2016			0.0378	0.0184	0.0199	
11/16/2016	0.0509					
11/17/2016		0.109	0.0448			
11/18/2016				0.0173		
11/21/2016					0.0221 (J)	0.0237 (J)
2/21/2017	0.0531	0.095	0.0447	0.015		
2/22/2017					0.0179	0.0219
6/13/2017	0.0543	0.0861	0.0351	0.0143		
6/14/2017					0.0157	0.0197
9/26/2017	0.0547	0.104				
9/27/2017			0.0383	0.017	0.0165	0.0213
2/14/2018	0.0603	0.129	0.0327	0.0166	0.0163	0.0236
6/26/2018	0.059	0.13	0.031			
6/27/2018				0.015	0.017	
6/28/2018						0.023
12/18/2018	0.056	0.13	0.03		0.017	0.029
12/20/2018				0.015		
8/27/2019	0.057		0.027			0.027
8/28/2019				0.019	0.02	
8/29/2019		0.076				
10/15/2019	0.053	0.069	0.027			
10/16/2019					0.019	
12/4/2019				0.016		0.021
3/3/2020	0.06					
3/4/2020		0.087	0.026	0.015	0.018	
3/5/2020						0.025
8/18/2020	0.058	0.067				
8/19/2020			0.027	0.016	0.019	0.026
9/15/2020	0.058	0.086	0.024		0.017	
9/16/2020				0.016		0.022
3/2/2021	0.063	0.097	0.026			
3/3/2021				0.016	0.021	0.028
9/21/2021	0.06					
9/22/2021		0.07				
9/28/2021			0.023	0.013	0.017	0.035
2/1/2022	0.064	0.08				
2/2/2022			0.023			0.031
2/3/2022					0.016	
2/4/2022				0.015		
8/23/2022	0.0607	0.0573	0.0259			
8/24/2022					0.0175	0.0389
8/25/2022				0.0161		
1/24/2023	0.0576	0.0468				
1/25/2023				0.0166		
1/26/2023			0.0293		0.018	0.0397
8/22/2023		0.0434				0.04
8/24/2023			0.0271	0.0151	0.0174	
1/30/2024		0.0431				0.0349
1/31/2024			0.0276	0.0155	0.0179	
8/27/2024		0.0432		0.0164	0.0163	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						0.0339
8/29/2024			0.0291			
2/18/2025		0.0528				
2/19/2025			0.0254	0.0193	0.0168	0.0328
8/26/2025				0.0255	0.0159	
8/27/2025		0.054				0.0343
8/28/2025			0.0292			
2/19/2026		0.0492	0.0224	0.0225	0.0155	0.03

Time Series

Constituent: Barium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.0593					
11/21/2016	0.0532					
2/22/2017	0.0498					
6/14/2017	0.0421					
9/27/2017	0.0411					
2/14/2018	0.0417					
3/6/2018		0.0461	0.1	0.0519		
5/1/2018		0.052	0.084	0.049		
6/27/2018	0.038			0.046		
6/28/2018			0.067			
7/31/2018			0.087			
8/1/2018				0.043		
8/10/2018					0.038	
8/23/2018			0.084	0.038	0.03	
9/19/2018			0.086	0.036	0.03	
10/29/2018			0.098	0.041	0.025	
11/28/2018			0.11	0.039	0.017	
12/19/2018	0.036			0.04		
12/20/2018			0.093		0.013	
1/17/2019					0.017	
2/13/2019					0.025	
8/27/2019	0.032					
8/28/2019			0.11	0.035		
8/29/2019					0.017	
10/16/2019				0.032	0.015	
12/3/2019			0.099			
12/4/2019	0.028					
3/4/2020				0.038	0.022	
3/5/2020	0.026		0.078			
8/19/2020	0.025					
8/20/2020			0.083	0.035	0.017	
9/16/2020	0.024		0.085	0.028		
9/17/2020					0.02	
3/2/2021			0.061	0.036		
3/4/2021	0.024				0.019	
9/23/2021			0.064	0.031		
9/28/2021	0.02	0.049			0.013	
2/2/2022	0.023	0.052	0.063	0.028	0.013	
2/4/2022						0.037
8/23/2022				0.0285		
8/25/2022	0.0231	0.056	0.0574		0.0179	0.023
1/24/2023	0.0182					
1/25/2023		0.0498	0.0695		0.0249	
1/26/2023				0.0311		
1/30/2023						0.022
8/22/2023	0.0243					
8/23/2023		0.0555				0.0221
8/24/2023			0.0524	0.028	0.0415	
1/30/2024	0.0192	0.052		0.0278		
2/1/2024			0.0497		0.0414	0.0202
8/27/2024		0.0524				
8/28/2024	0.0163			0.0257	0.0345	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			0.0602			0.0206
2/18/2025				0.0266		
2/19/2025	0.0192	0.05	0.0629		0.039	0.0224
8/26/2025	0.0185		0.0676	0.028		
8/27/2025		0.0561			0.0557	0.021
2/18/2026						0.0209
2/19/2026	0.019	0.0531	0.0645	0.0262	0.052	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.145				
6/6/2023		0.0586			
8/23/2023	0.107				
8/24/2023		0.0346	0.0513		
2/1/2024	0.0853	0.0245	0.0421		
8/27/2024		0.026	0.035		
8/29/2024	0.0796				
2/18/2025		0.0222	0.0299		
2/19/2025	0.0959				
8/27/2025	0.0959	0.0235	0.0297		0.039
8/28/2025				0.0137	
2/19/2026		0.0204	0.0273		
2/24/2026	0.0952				0.0301
2/25/2026				0.0199	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.0005	<0.0005	<0.0005	<0.0005		
9/1/2016					<0.0005	<0.0005
11/15/2016				<0.0005	<0.0005	
11/16/2016	<0.0005	<0.0005	<0.0005			<0.0005
2/20/2017			<0.0005	<0.0005	<0.0005	
2/21/2017	<0.0005	<0.0005				<0.0005
6/12/2017	<0.0005		<0.0005	<0.0005	<0.0005	
6/13/2017		<0.0005				
6/14/2017						<0.0005
9/26/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/13/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/14/2018						<0.0005
6/26/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/27/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10/15/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/3/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/18/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/1/2021	<0.0005				<0.0005	
3/2/2021		<0.0005	<0.0005	<0.0005		<0.0005
9/21/2021			<0.0005	<0.0005		<0.0005
9/22/2021	<0.0005	<0.0005			<0.0005	
2/1/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/23/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/24/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/22/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
1/30/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/27/2024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/18/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/26/2025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/18/2026	<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 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.0005					
9/6/2016		<0.0005				<0.0005
9/8/2016			<0.0005	0.0002 (J)	0.0011 (J)	
11/16/2016	<0.0005					
11/17/2016		<0.0005	<0.0005			
11/18/2016				0.0002 (J)		
11/21/2016					0.0012 (J)	<0.0005
2/21/2017	<0.0005	<0.0005	<0.0005	0.0002 (J)		
2/22/2017					0.0014 (J)	<0.0005
6/13/2017	<0.0005	<0.0005	<0.0005	0.0002 (J)		
6/14/2017					0.0012 (J)	<0.0005
9/26/2017	<0.0005	<0.0005				
9/27/2017			<0.0005	0.0001 (J)	0.001 (J)	<0.0005
2/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.003	<0.0005
6/26/2018	<0.0005	<0.0005	<0.0005			
6/27/2018				0.00014 (J)	0.0008 (J)	
6/28/2018						<0.0005
12/18/2018	<0.0005	<0.0005	<0.0005		0.00071 (J)	<0.0005
12/20/2018				0.00012 (J)		
8/27/2019	<0.0005		<0.0005			<0.0005
8/28/2019				0.00012 (J)	0.0008 (J)	
8/29/2019		<0.0005				
10/15/2019	<0.0005	<0.0005	<0.0005			
10/16/2019					0.00072 (J)	
10/17/2019				<0.0005		<0.0005
12/4/2019				0.00012 (J)		<0.0005
3/3/2020	<0.0005					
3/4/2020		<0.0005	<0.0005	0.00012 (J)	0.00073 (J)	
3/5/2020						<0.0005
8/18/2020	<0.0005	<0.0005				
8/19/2020			<0.0005	9.9E-05 (J)	0.00074 (J)	<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005		0.00071 (J)	
9/16/2020				0.00011 (J)		<0.0005
3/2/2021	<0.0005	<0.0005	<0.0005			
3/3/2021				7.1E-05 (J)	0.00094	<0.0005
9/21/2021	<0.0005					
9/22/2021		<0.0005				
9/28/2021			<0.0005	<0.0005	0.00079	<0.0005
2/1/2022	<0.0005	<0.0005				
2/2/2022			<0.0005			<0.0005
2/3/2022					0.00083	
2/4/2022				5.4E-05 (J)		
8/23/2022	<0.0005	<0.0005	<0.0005			
8/24/2022					0.000845	<0.0005
8/25/2022				<0.0005		
1/24/2023	<0.0005	<0.0005				
1/25/2023				<0.0005		
1/26/2023			<0.0005		0.00109	<0.0005
8/22/2023		<0.0005				<0.0005
8/24/2023			<0.0005	<0.0005	0.00113	
1/30/2024		<0.0005				<0.0005
1/31/2024			<0.0005	<0.0005	0.00114	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/27/2024		<0.0005		<0.0005	0.000892	
8/28/2024						<0.0005
8/29/2024			<0.0005			
2/18/2025		<0.0005				
2/19/2025			<0.0005	0.000201 (J)	0.001	<0.0005
8/26/2025				<0.0005	0.000999	
8/27/2025		<0.0005				<0.0005
8/28/2025			<0.0005			
2/19/2026		<0.0005	<0.0005	<0.0005	0.000917	<0.0005

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.0005					
11/21/2016	<0.0005					
2/22/2017	<0.0005					
6/14/2017	<0.0005					
9/27/2017	<0.0005					
2/14/2018	<0.0005					
3/6/2018		<0.0005	<0.0005	<0.0005		
5/1/2018		<0.0005	<0.0005	<0.0005		
6/27/2018	<0.0005			<0.0005		
6/28/2018			<0.0005			
7/31/2018			<0.0005			
8/1/2018				<0.0005		
8/10/2018					<0.0005	
8/23/2018			7.9E-05 (J)	5.5E-05 (J)	<0.0005	
9/19/2018			<0.0005	<0.0005	<0.0005	
10/29/2018			<0.0005	<0.0005	<0.0005	
11/28/2018			<0.0005	5.6E-05 (J)	<0.0005	
12/19/2018	<0.0005			6E-05 (J)		
12/20/2018			<0.0005		<0.0005	
1/17/2019					<0.0005	
2/13/2019					<0.0005	
8/27/2019	<0.0005					
8/28/2019			<0.0005	<0.0005		
8/29/2019					<0.0005	
10/16/2019				<0.0005	<0.0005	
10/17/2019	<0.0005		<0.0005			
12/3/2019			<0.0005			
12/4/2019	<0.0005					
3/4/2020				<0.0005	<0.0005	
3/5/2020	<0.0005		<0.0005			
8/19/2020	<0.0005					
8/20/2020			4.6E-05 (J)	4.7E-05 (J)	<0.0005	
9/16/2020	<0.0005		<0.0005	<0.0005		
9/17/2020					<0.0005	
3/2/2021			<0.0005	<0.0005		
3/4/2021	<0.0005				<0.0005	
9/23/2021			<0.0005	<0.0005		
9/28/2021	<0.0005	<0.0005			<0.0005	
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/4/2022						<0.0005
8/23/2022				<0.0005		
8/25/2022	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
1/24/2023	<0.0005					
1/25/2023		<0.0005	<0.0005		<0.0005	
1/26/2023				<0.0005		
1/30/2023						<0.0005
8/22/2023	<0.0005					
8/23/2023		<0.0005				<0.0005
8/24/2023			<0.0005	<0.0005	<0.0005	
1/30/2024	<0.0005	<0.0005		<0.0005		
2/1/2024			<0.0005		<0.0005	0.000286 (J)
8/27/2024		<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/28/2024	<0.0005			<0.0005	<0.0005	
8/29/2024			<0.0005			<0.0005
2/18/2025				<0.0005		
2/19/2025	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
8/26/2025	<0.0005		<0.0005	<0.0005		
8/27/2025		<0.0005			<0.0005	<0.0005
2/18/2026						<0.0005
2/19/2026	<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 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.0005				
6/6/2023		<0.0005			
8/23/2023	<0.0005				
8/24/2023		<0.0005	<0.0005		
2/1/2024	<0.0005	<0.0005	<0.0005		
8/27/2024		<0.0005	<0.0005		
8/29/2024	<0.0005				
2/18/2025		<0.0005	<0.0005		
2/19/2025	<0.0005				
8/27/2025	<0.0005	<0.0005	<0.0005		<0.0005
8/28/2025				<0.0005	
2/19/2026		<0.0005	<0.0005		
2/24/2026	<0.0005				<0.0005
2/25/2026				<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0072 (J)	<0.015	<0.015	<0.015		
9/1/2016					<0.015	0.0093 (J)
11/15/2016				0.0085 (J)	0.0123 (J)	
11/16/2016	0.0117 (J)	0.0109 (J)	0.0187 (J)			0.0127 (J)
2/20/2017			0.0066 (J)	0.0093 (J)	0.0157 (J)	
2/21/2017	0.0088 (J)	<0.015				0.0071 (J)
6/12/2017	0.0133 (J)		<0.015	<0.015	<0.015	
6/13/2017		<0.015				
6/14/2017						0.0078 (J)
9/26/2017	0.0093 (J)	<0.015	<0.015	<0.015	<0.015	<0.04
2/13/2018	0.0141 (J)	<0.015	<0.015	<0.015	<0.015	
2/14/2018						0.0068 (J)
6/26/2018	0.012 (J)	<0.015	0.0042 (J)	0.0056 (J)	0.0041 (J)	0.008 (J)
12/18/2018	0.0086 (J)	<0.015	<0.015	0.0062 (J)	<0.015	0.0083 (J)
3/19/2019	0.0055 (J)	<0.015	<0.015	<0.015	<0.015	0.008 (J)
10/15/2019	0.0067 (J)	<0.015	<0.015	0.006 (J)	0.01 (J)	0.006 (J)
3/3/2020	0.0082 (J)	<0.015	<0.015	<0.015	<0.015	0.01 (J)
9/15/2020	<0.015	<0.015	<0.015	<0.015	<0.015	0.0071 (J)
3/1/2021	<0.015				<0.015	
3/2/2021		<0.015	0.0053 (J)	0.0071 (J)		0.0057 (J)
9/21/2021			<0.015	<0.015		<0.04
9/22/2021	<0.015	<0.015			<0.015	
2/1/2022	<0.015	<0.015	<0.015	<0.015	<0.015	<0.04
8/23/2022	0.00592 (J)	0.00532 (J)	<0.015	0.00538 (J)	<0.015	0.00653 (J)
1/24/2023	<0.015	<0.015	<0.015	<0.015	<0.015	0.00884 (J)
8/22/2023	0.00649 (J)	0.00738 (J)	0.0073 (J)	0.00764 (J)	0.00611 (J)	
1/30/2024	<0.015	<0.015	<0.015	<0.015	<0.015	
8/27/2024	<0.015	<0.015	<0.015	0.00538 (J)	<0.015	
2/18/2025	<0.015	<0.015	0.00591 (J)	0.00548 (J)	<0.015	
8/26/2025	0.00739 (J)	0.00735 (J)	0.007 (J)	0.00822 (J)	0.00675 (J)	
2/18/2026	0.00969 (J)	0.00878 (J)	0.00988 (J)	0.00907 (J)	0.00922 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.015					
9/6/2016		0.0362 (J)				1.96
9/8/2016			1.03	1.63	1.35	
11/16/2016	0.0081 (J)					
11/17/2016		0.0617	1.7			
11/18/2016				1.91		
11/21/2016					1.74	1.68
2/21/2017	<0.015	0.0245 (J)	1.55	1.39		
2/22/2017					1.5	1.48
6/13/2017	<0.015	<0.04	1.77	1.62		
6/14/2017					1.6	1.71
9/26/2017	<0.015	<0.04				
9/27/2017			1.75	1.16	1.83	1.61
2/14/2018	<0.015	0.0314 (J)	1.47	1.17	1.8	1.47
6/26/2018	<0.015	0.062	1.8			
6/27/2018				1.4	1.8	
6/28/2018						1.4
12/18/2018	0.0053 (J)	0.055	1.5		1.5	1.6
12/20/2018				1.4		
3/19/2019	<0.015	0.068		1.1		
3/20/2019			1.5		1.5	1.7
10/15/2019	<0.015	0.022 (J)	1.2			
10/16/2019					1.2	
10/17/2019				0.97		1.7
12/4/2019				0.89		1.6
3/3/2020	0.0065 (J)					
3/4/2020		0.044 (J)	1.2	0.81	1.1	
3/5/2020						1.5
9/15/2020	<0.015	0.033 (J)	1.2		1.1	
9/16/2020				1.2		1.7
3/2/2021	<0.015	0.042	1.1			
3/3/2021				0.91	1	1.4
9/21/2021	<0.015					
9/22/2021		0.047				
9/28/2021			1.1	0.95	0.9	1.7
2/1/2022	<0.015	0.046				
2/2/2022			1.1			1.9
2/3/2022					0.93	
2/4/2022				1		
8/23/2022	<0.015	0.0498	1.38			
8/24/2022					1.13	2.15
8/25/2022				1.03		
1/24/2023	0.0053 (J)	0.0437				
1/25/2023				1.14		
1/26/2023			1.45		1.07	2.17
8/22/2023		0.039				2.05
8/24/2023			1.95	1.25	1.34	
1/30/2024		0.0389				2.36
1/31/2024			1.61	1.17	1.11	
5/8/2024				1.3		
8/27/2024		0.0315		1.28	1.09	
8/28/2024						1.82

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			2.04			
2/18/2025		0.0393				
2/19/2025			1.63	1.02	1.56	1.92
8/26/2025				1.17	1.04	
8/27/2025		0.0257				1.75
8/28/2025			1.65			
2/19/2026		0.0309	1.48	0.951	1.02	1.68

Time Series

Constituent: Boron (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	1.28					
11/21/2016	1.19					
2/22/2017	1.43					
6/14/2017	1.57					
9/27/2017	1.51					
2/14/2018	1.6					
3/6/2018		2.12	0.0198 (J)	0.428		
5/1/2018		1.5	0.015 (J)	0.45		
6/27/2018	1.5			0.49		
6/28/2018			0.025 (J)			
7/31/2018			0.035 (J)			
8/1/2018				0.39		
8/10/2018					1.3	
8/23/2018			0.022 (J)	0.39	1.4	
9/19/2018			0.021 (J)	0.43	1.7	
10/29/2018			0.021 (J)	0.4	1.3	
11/28/2018			0.026 (J)	0.51	1.5	
12/19/2018	1.6			0.41		
12/20/2018			0.028 (J)		1.6	
1/17/2019					1.5	
2/13/2019					1.7	
3/19/2019				0.41		
3/20/2019	1.4		0.043		1.6	
10/16/2019				0.36	1.3	
10/17/2019	1.5		0.064			
12/3/2019			0.027 (J)			
12/4/2019	1.6					
3/4/2020				0.49	1.4	
3/5/2020	1.5		0.044 (J)			
9/16/2020	1.4		0.028 (J)	0.47		
9/17/2020					1.9	
3/2/2021			0.044	0.58		
3/4/2021	1.1				1.4	
9/23/2021			0.029 (J)	0.47		
9/28/2021	0.91	1.3			1.4	
2/2/2022	1	1.6	0.034 (J)	0.48	1.5	
2/4/2022						0.67
8/23/2022				0.547		
8/25/2022	1.07	1.59	0.0458		1.56	0.672
1/24/2023	1.11					
1/25/2023		1.47	0.0355		1.79	
1/26/2023				0.661		
1/30/2023						0.82
8/22/2023	1.13					
8/23/2023		1.35				0.706
8/24/2023			0.0444	0.689	1.87	
1/30/2024	1.23	1.27		0.618		
2/1/2024			0.0355		1.61	0.714
5/8/2024	1.01					
8/27/2024		1.16				
8/28/2024	0.996			0.508	1.44	
8/29/2024			0.0431			0.731

Time Series

Constituent: Boron (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/18/2025				0.682		
2/19/2025	1.05	1.13	0.0537		1.67	0.712
8/26/2025	0.833		0.0598	0.647		
8/27/2025		0.98			1.42	0.611
2/18/2026						0.598
2/19/2026	0.735	0.966	0.0523	0.588	1.46	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.255				
6/6/2023		1.24			
7/5/2023			1.29		
8/23/2023	0.318				
8/24/2023		1.47	1.51		
2/1/2024	0.384	1.32	1.36		
8/27/2024		1.2	1.2		
8/29/2024	0.404				
2/18/2025		1.25	1.31		
2/19/2025	0.389				
8/27/2025	0.326	1.16	1.3		0.108
8/28/2025				0.0262	
2/19/2026		1.18	1.28		
2/24/2026	0.375				0.116
2/25/2026				0.0149 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.001	<0.001	<0.001	<0.001		
9/1/2016					<0.001	<0.001
11/15/2016				<0.001	<0.001	
11/16/2016	<0.001	<0.001	<0.001			<0.001
2/20/2017			<0.001	<0.001	<0.001	
2/21/2017	<0.001	<0.001				<0.001
6/12/2017	<0.001		<0.001	<0.001	<0.001	
6/13/2017		<0.001				
6/14/2017						<0.001
9/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2018	<0.001	<0.001	<0.001	<0.001	<0.001	
2/14/2018						<0.001
6/26/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/31/2018						<0.001
12/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10/15/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/3/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/1/2021	<0.001				<0.001	
3/2/2021		<0.001	<0.001	<0.001		<0.001
9/21/2021			<0.001	<0.001		<0.001
9/22/2021	<0.001	<0.001			<0.001	
2/1/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/23/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/24/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/22/2023	<0.001	<0.001	<0.001	<0.001	<0.001	
1/30/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
8/27/2024	<0.001	<0.001	<0.001	<0.001	<0.001	
2/18/2025	<0.001	<0.001	<0.001	<0.001	<0.001	
8/26/2025	<0.001	<0.001	<0.001	<0.001	<0.001	
2/18/2026	<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 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.001					
9/6/2016		<0.001				<0.001
9/8/2016			<0.001	7E-05 (J)	<0.001	
11/16/2016	<0.001					
11/17/2016		<0.001	<0.001			
11/18/2016				9E-05 (J)		
11/21/2016					<0.001	8E-05 (J)
2/21/2017	<0.001	<0.001	<0.001	<0.001		
2/22/2017					<0.001	<0.001
6/13/2017	<0.001	<0.001	<0.001	<0.001		
6/14/2017					<0.001	<0.001
9/26/2017	<0.001	<0.001				
9/27/2017			<0.001	<0.001	<0.001	<0.001
2/14/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/26/2018	<0.001	0.00015 (J)	<0.001			
6/27/2018				<0.001	<0.001	
6/28/2018						<0.001
7/31/2018	<0.001					
12/18/2018	<0.001	0.0001 (J)	<0.001		<0.001	<0.001
12/20/2018				<0.001		
8/27/2019	<0.001		<0.001			<0.001
8/28/2019				<0.001	<0.001	
8/29/2019		<0.001				
10/15/2019	<0.001	<0.001	<0.001			
10/16/2019					<0.001	
10/17/2019				<0.001		<0.001
12/4/2019				<0.001		<0.001
3/3/2020	<0.001					
3/4/2020		<0.001	<0.001	<0.001	<0.001	
3/5/2020						<0.001
8/18/2020	<0.001	<0.001				
8/19/2020			<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001		<0.001	
9/16/2020				<0.001		<0.001
3/2/2021	<0.001	<0.001	<0.001			
3/3/2021				<0.001	<0.001	<0.001
9/21/2021	<0.001					
9/22/2021		<0.001				
9/28/2021			<0.001	<0.001	<0.001	<0.001
2/1/2022	<0.001	<0.001				
2/2/2022			<0.001			0.00014 (J)
2/3/2022					<0.001	
2/4/2022				<0.001		
8/23/2022	<0.001	<0.001	<0.001			
8/24/2022					<0.001	<0.001
8/25/2022				<0.001		
1/24/2023	<0.001	<0.001				
1/25/2023				<0.001		
1/26/2023			<0.001		<0.001	<0.001
8/22/2023		<0.001				<0.001
8/24/2023			<0.001	<0.001	<0.001	
1/30/2024		<0.001				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
1/31/2024			<0.001	<0.001	<0.001	
8/27/2024		<0.001		<0.001	<0.001	
8/28/2024						<0.001
8/29/2024			<0.001			
2/18/2025		<0.001				
2/19/2025			<0.001	<0.001	<0.001	<0.001
8/26/2025				<0.001	<0.001	
8/27/2025		<0.001				<0.001
8/28/2025			<0.001			
2/19/2026		<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 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.001					
11/21/2016	8E-05 (J)					
2/22/2017	0.0001 (J)					
6/14/2017	<0.001					
9/27/2017	<0.001					
2/14/2018	<0.001					
3/6/2018		<0.001	<0.001	<0.001		
5/1/2018		<0.001	<0.001	<0.001		
6/27/2018	0.00011 (J)			0.00014 (J)		
6/28/2018			<0.001			
7/31/2018			<0.001			
8/1/2018				0.00011 (J)		
8/10/2018					<0.001	
8/23/2018			<0.001	0.00018 (J)	<0.001	
9/19/2018			<0.001	0.00015 (J)	<0.001	
10/29/2018			9.8E-05 (J)	0.00019 (J)	<0.001	
11/28/2018			<0.001	0.00022 (J)	<0.001	
12/19/2018	0.00012 (J)			<0.001		
12/20/2018			0.00029 (J)		<0.001	
1/17/2019					<0.001	
2/13/2019					<0.001	
8/27/2019	<0.001					
8/28/2019			<0.001	0.00017 (J)		
8/29/2019					<0.001	
10/16/2019				0.00018 (J)	<0.001	
10/17/2019	<0.001		<0.001			
12/3/2019			0.00011 (J)			
12/4/2019	<0.001					
3/4/2020				0.00024 (J)	<0.001	
3/5/2020	<0.001		<0.001			
8/19/2020	<0.001					
8/20/2020			0.00014 (J)	<0.001	<0.001	
9/16/2020	<0.001		<0.001	<0.001		
9/17/2020					<0.001	
3/2/2021			0.0002 (J)	<0.001		
3/4/2021	<0.001				<0.001	
9/23/2021			<0.001	<0.001		
9/28/2021	<0.001	<0.001			<0.001	
2/2/2022	<0.001	<0.001	<0.001	0.00015 (J)	<0.001	
2/4/2022						<0.001
8/23/2022				<0.001		
8/25/2022	<0.001	<0.001	<0.001		<0.001	<0.001
1/24/2023	<0.001					
1/25/2023		<0.001	<0.001		<0.001	
1/26/2023				<0.001		
1/30/2023						<0.001
8/22/2023	<0.001					
8/23/2023		<0.001				<0.001
8/24/2023			<0.001	<0.001	<0.001	
1/30/2024	<0.001	<0.001		<0.001		
2/1/2024			<0.001		<0.001	<0.001
8/27/2024		<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/28/2024	<0.001			<0.001	<0.001	
8/29/2024			<0.001			<0.001
2/18/2025				<0.001		
2/19/2025	<0.001	<0.001	<0.001		<0.001	<0.001
8/26/2025	<0.001		<0.001	<0.001		
8/27/2025		<0.001			<0.001	<0.001
2/18/2026						0.000351 (J)
2/19/2026	<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 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.001				
6/6/2023		<0.001			
8/23/2023	<0.001				
8/24/2023		<0.001	<0.001		
2/1/2024	<0.001	<0.001	<0.001		
8/27/2024		<0.001	<0.001		
8/29/2024	<0.001				
2/18/2025		<0.001	<0.001		
2/19/2025	<0.001				
8/27/2025	<0.001	<0.001	<0.001		<0.001
8/28/2025				<0.001	
2/19/2026		<0.001	<0.001		
2/24/2026	<0.001				<0.001
2/25/2026				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	12.6	4.09	13.5	19.6		
9/1/2016					3.3	8.98
11/15/2016				21.7	3.44	
11/16/2016	12.1	4.25	14.9			15.4
2/20/2017			13.9	21.1	3.52	
2/21/2017	11.4	4.02				17.4
6/12/2017	9.34		13.7	21.5	3.11	
6/13/2017		3.84				
6/14/2017						18.1
9/26/2017	14.3	3.31	14.4	24	3.15	19.3
2/13/2018	<25	3.94	<25	<25	3.65	
2/14/2018						<25
6/26/2018	16 (J)	3.6	13.5 (J)	23.5 (J)	3.3	15.5 (J)
7/31/2018						18.2 (J)
12/18/2018	14.5 (J)	3.8	16.4 (J)	19.8 (J)	3.5	18.7 (J)
3/19/2019	14.3 (J)	3.9	12.3 (J)	21.4 (J)	3.6	15.9 (J)
10/15/2019	15.1	3.7	14.4	20	3.5	15.9
3/3/2020	20	4	14.9	23.2	5	19.4
9/15/2020	14.1	3.9	12.7	16.8	3.7	14.5
3/1/2021	15.4				4.2	
3/2/2021		4	13.2	16.8		11.7
9/21/2021			14.1	19.1		16.4
9/22/2021	15.9	4.3			4.1	
2/1/2022	14.4	4.4	14.5	19.1	4.2	14.2
8/23/2022	13.9	4.65	14.3	18.2	3.97	15.8
1/24/2023	14.2	4.86	15.8	19.4	3.9	13.7
8/22/2023	12.6	5.02	14.3	14.9	3.79	
1/30/2024	14.1	5.25	16	18.2	4.27	
8/27/2024	12.4	5.45	15.9	17.2	4.19	
2/18/2025	13.8	5.76	16.9	16.5	4.11	
8/26/2025	12.8	5.53	16.7	16.3	4.2	
2/18/2026	12.1	5.56	16.1	16	4.26	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	4.61					
9/6/2016		12.8				63.3
9/8/2016			59.4	87.2	93.9	
11/16/2016	4.17					
11/17/2016		19.2	78.4			
11/18/2016				82.4		
11/21/2016					99.1	60.7
2/21/2017	5	15.1	80.9	75.1		
2/22/2017					105	62.1
6/13/2017	4.98	10.2	62	61		
6/14/2017					91.3	63.5
9/26/2017	4.49	15				
9/27/2017			65.8	72.6	84	63.5
2/14/2018	<25	<25	58.8	74.1	72.1	62.8
6/26/2018	6.4	18.5 (J)	55.5			
6/27/2018				68.2	61.1	
6/28/2018						73.3
7/31/2018	6.1					
12/18/2018	5.5	16.8 (J)	54.7		52.9	102
12/20/2018				63.9		
3/19/2019	5.9	13.5 (J)		60.2		
3/20/2019			54.2		55.4	141
10/15/2019	6.2	8.6	48.3			
10/16/2019					54	
12/4/2019				76.8		92.6
3/3/2020	6.8					
3/4/2020		11.5	52	72.3	59.3	
3/5/2020						119
9/15/2020	5.7	10.7	40.1		55.1	
9/16/2020				62.5		106
3/2/2021	5.4	11.6	44.1			
3/3/2021				58.2	73.3	122
9/21/2021	5.4					
9/22/2021		9.2				
9/28/2021			38.4	50.4	59.5	212
2/1/2022	5.3	10.7				
2/2/2022			44.3			232
2/3/2022					58.7	
2/4/2022				61.7		
8/23/2022	6.09	8.09	51.5			
8/24/2022					61	316
8/25/2022				64		
1/24/2023	5.62	6.97				
1/25/2023				55.7		
1/26/2023			57.6		68	361
8/22/2023		5.95				414
8/24/2023			69.6	74.4	71.4	
1/30/2024		6.19				441
1/31/2024			67.4	60	89.3	
5/8/2024				71.2		
8/27/2024		5.88		75.9	70.5	
8/28/2024						419

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			77.6			
2/18/2025		7.17				
2/19/2025			73	46.4	119	442
8/26/2025				56.5	84.6	
8/27/2025		7.25				493
8/28/2025			74.7			
2/19/2026		7.28	59.7	54	94	485

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	60.5					
11/21/2016	31.1					
2/22/2017	67.3					
6/14/2017	60.2					
9/27/2017	68.4					
2/14/2018	70.2					
3/6/2018		<25	39.5	326		
5/1/2018		<25	45.5	305		
6/27/2018	67.1			340		
6/28/2018			41.9			
7/31/2018			41.5			
8/1/2018				358		
8/10/2018					410	
8/23/2018			42.3	323	33.9	
9/19/2018			41.9	321	42.3	
10/29/2018			40.8	326	39.8	
11/28/2018			45.1	354	38.2	
12/19/2018	61.2			330		
12/20/2018			39		43.2	
1/17/2019					39.4	
2/13/2019					36.9	
3/19/2019				335		
3/20/2019	52.8		31.2		40.3	
10/16/2019				338	48.4	
12/3/2019			43.7			
12/4/2019	52.7					
3/4/2020				353	49.5	
3/5/2020	52.1		37.9			
9/16/2020	43.1		39.7	309		
9/17/2020					35.4	
3/2/2021			33.9	353		
3/4/2021	35.7				47.5	
9/23/2021			32	336		
9/28/2021	33.9	24.2			39.5	
2/2/2022	44.2	25.1	33.8	320	40.1	
2/4/2022						42.2
8/23/2022				323		
8/25/2022	48.5	27.2	33.5		38.3	45.1
1/24/2023	46.6					
1/25/2023		25.1	34.3		36.3	
1/26/2023				331		
1/30/2023						49.8
8/22/2023	45.1					
8/23/2023		26.5				56.8
8/24/2023			34	347	37.4	
1/30/2024	47.4	26		340		
2/1/2024			32.8		36.4	57.3
5/8/2024	37.9					
8/27/2024		24.9				
8/28/2024	37.4			302	36.8	
8/29/2024			42.9			65.6
2/18/2025				322		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	37.7	24.5	44.3		40.1	75.5
8/26/2025	31		67	304		
8/27/2025		26.7			42.5	77.3
2/18/2026						88.9
2/19/2026	31.5	25.8	109	321	43.4	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	86.1				
6/6/2023		70.1			
7/5/2023			48.7		
8/23/2023	86.4				
8/24/2023		69.2	47		
2/1/2024	94.3	62.5	50.8		
8/27/2024		68.8	49.8		
8/29/2024	96.7				
2/18/2025		61.8	48.1		
2/19/2025	93.6				
8/27/2025	95.2	59.2	51.6		53.7
8/28/2025				24.1	
2/19/2026		62.5	52.5		
2/24/2026	109				56.8
2/25/2026				15.8	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	2.3	2	4.4	3.6		
9/1/2016					2.5	3.3
11/15/2016				4	2.3	
11/16/2016	2	1.8	4.4			3.6
2/20/2017			4.8	3.9	2.4	
2/21/2017	2	1.8				3.2
6/12/2017	2.1		4.2	3.8	2.2	
6/13/2017		1.7				
6/14/2017						3.1
9/26/2017	2	1.8	4.4	4.1	2.3	3.3
2/13/2018	2.1	1.7	4.7	4.1	2.3	
2/14/2018						3.1
6/26/2018	2.4	2.2	4.5	4.1	2.6	3.4
7/31/2018						2.6
12/18/2018	1.8	1.9	4.5	3.8	2.3	2.8
3/19/2019	2.5	2	4.5	4.2	2.6	3.2
10/15/2019	2.2	1.9	4.2	3.7	2.4	3.1
3/3/2020	1.9	1.9	3.9	3.6	2.9	2.6
9/15/2020	1.9	1.7	3.7	3.7	2.3	2.4
3/1/2021	1.8				2.1	
3/2/2021		1.7	3.8	3.7		2.6
9/21/2021			3.2	3.2		2.1
9/22/2021	1.7	1.5			2.1	
2/1/2022	1.8	1.6	3.5	3.4	2.1	2.2
8/23/2022	2.02	2.18	3.64	3.59	2.39	2.5
1/24/2023	2.09	2.16	3.93	3.56	2.3	2.49
8/22/2023	1.9	2.14	3.53	3.37	2.34	
1/30/2024	2.35	2.14	3.98	3.52	3.23	
8/27/2024	2.16	2.17	3.88	3.49	2.28	
2/18/2025	2.09	2.09	4.05	3.34	2.25	
8/26/2025	2.1	2.05	4	3.34	2.21	
2/18/2026	2.04	2.08	4.04	3.51	2.21	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	3.5					
9/6/2016		5.8				6.7
9/8/2016			5.5	6	6.4	
11/16/2016	3.6					
11/17/2016		4.3	7.7			
11/18/2016				6.3		
11/21/2016					6.9	6.5
2/21/2017	3.2	3.5	7.3	5.1		
2/22/2017					6.2	5.6
6/13/2017	3.3	3.2	7.5	4.7		
6/14/2017					7.2	5.7
9/26/2017	3.3	3.5				
9/27/2017			7.9	4.9	8.7	6
2/14/2018	3.5	3.8	6.7	5.6	7.2	5.9
6/26/2018	3.4	3.8	6.7			
6/27/2018				5.9	6.3	
6/28/2018						7
7/31/2018	2.9					
12/18/2018	2.9	3.9	6.2		5.4	5.8
12/20/2018				5.6		
3/19/2019	3.5	3.8		5.8		
3/20/2019			6.4		5.6	5.8
10/15/2019	3.4	3.5	5			
10/16/2019					6.9	
12/4/2019				5.6		5
3/3/2020	3.2					
3/4/2020		3.3	5	5.1	5.8	
3/5/2020						4.3
9/15/2020	3.5	3.1	4.9		5.5	
9/16/2020				5.4		4.4
3/2/2021	3.7	3.5	4.5			
3/3/2021				4.5	5.6	4
9/21/2021	3.5					
9/22/2021		2.8				
9/28/2021			4.2	3.7	5.4	3.4
2/1/2022	3.6	3.2				
2/2/2022			4.2			4
2/3/2022					6.1	
2/4/2022				4.6		
8/23/2022	5.46	3.16	5.38			
8/24/2022					5.84	4.91
8/25/2022				4.65		
1/24/2023	3.79	2.88				
1/25/2023				3.81		
1/26/2023			6.96		5.59	3.82
8/22/2023		2.41				3.35
8/24/2023			8.47	4.81	6.08	
1/30/2024		2.4				3.52
1/31/2024			8.73	4.05	7.94	
5/8/2024				5.06		
8/27/2024		2.16		4.47	8.87	
8/28/2024						3.48

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			13.7			
2/18/2025		2.16				
2/19/2025			12.5	3.08	8.25	2.9
8/26/2025				3.1	8.6	
8/27/2025		2.13				2.76
8/28/2025			13.3			
2/19/2026		2.04	7.39	2.57	9.33	2.6

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	6.8					
11/21/2016	7.8					
2/22/2017	7					
6/14/2017	7.1					
9/27/2017	7.2					
2/14/2018	7.4					
3/6/2018		6	56.6	8.4		
5/1/2018		6	58.5	5.8		
6/27/2018	7.1			4.4		
6/28/2018			50.2			
7/31/2018			59			
8/1/2018				5.2		
8/10/2018					6.9	
8/23/2018			54	3.6	7.5	
9/19/2018			58.4	4.1	6.6	
10/29/2018			62.6	4.3	7.8	
11/28/2018			58.1	5.1	7.2	
12/19/2018	7			4.5		
12/20/2018			47.2		6.6	
1/17/2019					6.4	
2/13/2019					6.5	
3/19/2019				4.7		
3/20/2019	7.3		27.7		6.7	
10/16/2019				4.6	7	
12/3/2019			52.8			
12/4/2019	6.6					
3/4/2020				4.2	6.1	
3/5/2020	6		37.1			
9/16/2020	5.6		54.9	4.1		
9/17/2020					6.3	
3/2/2021			25.8	4.8		
3/4/2021	4.6				5.6	
9/23/2021			29.3	4.3		
9/28/2021	3.6	5			5.5	
2/2/2022	3.8	5.5	23.4	4.2	6.1	
2/4/2022						6.2
8/23/2022				4.49		
8/25/2022	3.96	6.28	14.9		6.27	6.15
1/24/2023	4.49					
1/25/2023		5.84	27.4		6.35	
1/26/2023				4.96		
1/30/2023						7.18
8/22/2023	4.3					
8/23/2023		6.83				6.81
8/24/2023			16.5	4.67	6.28	
1/30/2024	4.1	6.36		4.74		
2/1/2024			17.2		6.3	7.16
5/8/2024	4.11					
8/27/2024		5.99				
8/28/2024	4.09			4.57	6.58	
8/29/2024			24.8			6.86
2/18/2025				4.54		

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	3.9	6.18	21.2		6.43	7.57
8/26/2025	4.04		18.3	4.88		
8/27/2025		6.58			6.96	8.33
2/18/2026						9.3
2/19/2026	9.64	6.8	13	4.54	7.32	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	12.7				
6/6/2023		8.22			
7/5/2023			7.18		
8/23/2023	23				
8/24/2023		14.8	6.84		
2/1/2024	19.9	18.1	7.21		
8/27/2024		27.1	6.31		
8/29/2024	18.1				
2/18/2025		13.7	6.06		
2/19/2025	16.8				
8/27/2025	15.1	11.6	6.47		7.56
8/28/2025				4.61	
2/19/2026		14.3	6.42		
2/24/2026	15.4				6.83
2/25/2026				4.73	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.001 (J)	0.0034 (J)	0.0058 (J)	0.0028 (J)		
9/1/2016					0.0147	0.0009 (J)
11/15/2016				0.003 (J)	0.0154	
11/16/2016	<0.01	0.0029 (J)	0.0051 (J)			0.0015 (J)
2/20/2017			0.0049 (J)	0.0047 (J)	0.014	
2/21/2017	<0.01	0.0036 (J)				0.001 (J)
6/12/2017	0.0005 (J)		0.0052 (J)	0.0041 (J)	0.016	
6/13/2017		0.0038 (J)				
6/14/2017						0.0012 (J)
9/26/2017	0.0005 (J)	0.0045 (J)	0.0039 (J)	0.0037 (J)	0.0144	0.0014 (J)
2/13/2018	<0.01	<0.01	<0.01	<0.01	0.0144	
2/14/2018						<0.01
6/26/2018	<0.01	0.008 (J)	0.0053 (J)	0.0043 (J)	0.015	<0.01
12/18/2018	<0.01	0.012	0.0032 (J)	0.0054 (J)	0.015	0.0016 (J)
8/27/2019	0.0004 (J)	0.0083 (J)	0.0055 (J)	0.0043 (J)	0.015	0.0023 (J)
10/15/2019	<0.01	0.0083 (J)	0.0047 (J)	0.0055 (J)	0.014	0.0021 (J)
3/3/2020	0.00047 (J)	0.0098 (J)	0.0069 (J)	0.0057 (J)	0.011	0.0026 (J)
8/18/2020	0.00096 (J)	0.0085 (J)	0.0069 (J)	0.005 (J)	0.015	0.0023 (J)
9/15/2020	<0.01	0.0082 (J)	0.0069 (J)	0.0048 (J)	0.014	0.00096 (J)
3/1/2021	<0.01				0.011	
3/2/2021		0.0074	0.0064	0.0044 (J)		0.002 (J)
9/21/2021			0.0064	0.0044 (J)		0.0023 (J)
9/22/2021	<0.01	0.0091			0.014	
2/1/2022	0.0013 (J)	0.0092	0.0066	0.0052	0.015	0.0027 (J)
8/23/2022	<0.01	0.00908 (J)	0.00647 (J)	0.00435 (J)	0.0143	<0.01
1/24/2023	<0.01	0.0095 (J)	0.00513 (J)	0.00572 (J)	0.0139	<0.01
8/22/2023	<0.01	0.00921 (J)	0.00701 (J)	0.00472 (J)	0.0132	
1/30/2024	0.00458 (J)	0.00854 (J)	0.00551 (J)	0.00582 (J)	0.0139	
8/27/2024	0.00445 (J)	0.00799 (J)	0.00521 (J)	0.00604 (J)	0.0124	
2/18/2025	<0.01	0.00765 (J)	0.00451 (J)	0.00705 (J)	0.0123	
8/26/2025	0.00517 (J)	0.00823 (J)	0.00456 (J)	0.008 (J)	0.013	
2/18/2026	0.00473 (J)	0.00742 (J)	0.00414 (J)	0.00776 (J)	0.0129	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.0013 (J)					
9/6/2016		<0.01				<0.01
9/8/2016			<0.01	0.001 (J)	<0.01	
11/16/2016	0.0012 (J)					
11/17/2016		<0.01	<0.01			
11/18/2016				<0.01		
11/21/2016					<0.01	<0.01
2/21/2017	0.0017 (J)	<0.01	<0.01	<0.01		
2/22/2017					<0.01	<0.01
6/13/2017	0.0019 (J)	<0.01	<0.01	<0.01		
6/14/2017					<0.01	<0.01
9/26/2017	0.0018 (J)	<0.01				
9/27/2017			<0.01	<0.01	<0.01	<0.01
2/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
6/26/2018	0.0022 (J)	<0.01	<0.01			
6/27/2018				<0.01	<0.01	
6/28/2018						<0.01
12/18/2018	0.0022 (J)	<0.01	<0.01		<0.01	<0.01
12/20/2018				0.003 (J)		
8/27/2019	0.0024 (J)		0.0016 (J)			0.0051 (J)
8/28/2019				<0.01	<0.01	
8/29/2019		0.0016 (J)				
10/15/2019	0.0023 (J)	0.0017 (J)	0.00098 (J)			
10/16/2019					<0.01	
12/4/2019				<0.01		<0.01
3/3/2020	0.0028 (J)					
3/4/2020		0.0019 (J)	<0.01	<0.01	0.02	
3/5/2020						<0.01
8/18/2020	0.0029 (J)	0.0017 (J)				
8/19/2020			<0.01	<0.01	<0.01	<0.01
9/15/2020	0.0025 (J)	0.0019 (J)	<0.01		<0.01	
9/16/2020				<0.01		0.014
3/2/2021	0.0021 (J)	0.002 (J)	<0.01			
3/3/2021				<0.01	<0.01	<0.01
9/21/2021	0.0024 (J)					
9/22/2021		0.0026 (J)				
9/28/2021			<0.01	<0.01	<0.01	<0.01
2/1/2022	0.0029 (J)	0.0028 (J)				
2/2/2022			<0.01			<0.01
2/3/2022					<0.01	
2/4/2022				<0.01		
8/23/2022	<0.01	<0.01	<0.01			
8/24/2022					<0.01	<0.01
8/25/2022				<0.01		
1/24/2023	<0.01	<0.01				
1/25/2023				<0.01		
1/26/2023			<0.01		<0.01	<0.01
8/22/2023		<0.01				<0.01
8/24/2023			<0.01	<0.01	<0.01	
1/30/2024		<0.01				<0.01
1/31/2024			<0.01	<0.01	<0.01	
8/27/2024		<0.01		<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.01
8/29/2024			<0.01			
2/18/2025		<0.01				
2/19/2025			<0.01	<0.01	<0.01	<0.01
8/26/2025				<0.01	<0.01	
8/27/2025		<0.01				<0.01
8/28/2025			<0.01			
2/19/2026		0.00529 (J)	<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.01					
11/21/2016	<0.01					
2/22/2017	0.0012 (J)					
6/14/2017	0.0009 (J)					
9/27/2017	0.0011 (J)					
2/14/2018	<0.01					
3/6/2018		<0.01	<0.01	<0.01		
5/1/2018		<0.01	<0.01	<0.01		
6/27/2018	<0.01			<0.01		
6/28/2018			<0.01			
7/31/2018			<0.01			
8/1/2018				<0.01		
8/10/2018					0.0017 (J)	
8/23/2018			<0.01	<0.01	<0.01	
9/19/2018			<0.01	<0.01	<0.01	
10/29/2018			<0.01	<0.01	<0.01	
11/28/2018			<0.01	<0.01	<0.01	
12/19/2018	<0.01			0.0018 (J)		
12/20/2018			<0.01		<0.01	
1/17/2019					<0.01	
2/13/2019					<0.01	
8/27/2019	0.0019 (J)					
8/28/2019			<0.01	0.00092 (J)		
8/29/2019					<0.01	
10/16/2019				<0.01	<0.01	
12/3/2019			<0.01			
12/4/2019	0.0014 (J)					
3/4/2020				0.00078 (J)	<0.01	
3/5/2020	0.0014 (J)		0.00053 (J)			
8/19/2020	0.0021 (J)					
8/20/2020			0.001 (J)	0.00064 (J)	<0.01	
9/16/2020	0.0025 (J)		0.0014 (J)	<0.01		
9/17/2020					<0.01	
3/2/2021			<0.01	<0.01		
3/4/2021	0.002 (J)				<0.01	
9/23/2021			<0.01	<0.01		
9/28/2021	0.0021 (J)	<0.01			<0.01	
2/2/2022	0.0021 (J)	<0.01	<0.01	<0.01	<0.01	
2/4/2022						<0.01
8/23/2022				<0.01		
8/25/2022	<0.01	<0.01	<0.01		<0.01	<0.01
1/24/2023	<0.01					
1/25/2023		<0.01	<0.01		<0.01	
1/26/2023				<0.01		
1/30/2023						<0.01
8/22/2023	<0.01					
8/23/2023		<0.01				<0.01
8/24/2023			<0.01	<0.01	<0.01	
1/30/2024	<0.01	<0.01		<0.01		
2/1/2024			<0.01		<0.01	<0.01
8/27/2024		<0.01				
8/28/2024	<0.01			<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.01			<0.01
2/18/2025				<0.01		
2/19/2025	<0.01	<0.01	<0.01		<0.01	<0.01
8/26/2025	<0.01		<0.01	<0.01		
8/27/2025		<0.01			<0.01	<0.01
2/18/2026						<0.01
2/19/2026	<0.01	<0.01	<0.01	<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.01				
6/6/2023		<0.01			
8/23/2023	<0.01				
8/24/2023		<0.01	<0.01		
2/1/2024	<0.01	<0.01	<0.01		
8/27/2024		<0.01	<0.01		
8/29/2024	<0.01				
2/18/2025		<0.01	<0.01		
2/19/2025	<0.01				
8/27/2025	<0.01	<0.01	<0.01		<0.01
8/28/2025				<0.01	
2/19/2026		<0.01	<0.01		
2/24/2026	<0.01				<0.01
2/25/2026				<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0016 (J)	0.0034 (J)	0.0013 (J)	<0.001		
9/1/2016					<0.001	<0.001
11/15/2016				<0.001	<0.001	
11/16/2016	0.0006 (J)	0.003 (J)	0.0012 (J)			<0.001
2/20/2017			0.0012 (J)	0.0009 (J)	<0.001	
2/21/2017	<0.005	0.0028 (J)				<0.001
6/12/2017	<0.005		0.0011 (J)	0.0006 (J)	0.0003 (J)	
6/13/2017		0.0025 (J)				
6/14/2017						<0.001
9/26/2017	<0.005	0.002 (J)	0.0016 (J)	0.0005 (J)	0.0003 (J)	<0.001
2/13/2018	<0.005	<0.005	<0.01 (O)	<0.001	<0.001	
2/14/2018						<0.001
6/26/2018	<0.005	0.0019 (J)	0.0009 (J)	0.00052 (J)	<0.001	<0.001
7/31/2018						<0.001
12/18/2018	<0.005	0.0032 (J)	0.00062 (J)	<0.001	<0.001	<0.001
8/27/2019	<0.005	0.0012 (J)	0.00068 (J)	0.00042 (J)	<0.001	<0.001
10/15/2019	<0.005	0.00097 (J)	0.00083 (J)	<0.001	<0.001	<0.001
3/3/2020	<0.005	0.0015 (J)	0.00043 (J)	<0.001	0.0011 (J)	<0.001
8/18/2020	<0.005	0.0014 (J)	0.00048 (J)	<0.001	0.00061 (J)	<0.001
9/15/2020	<0.005	0.001 (J)	0.0005 (J)	<0.001	<0.001	<0.001
3/1/2021	<0.005				<0.001	
3/2/2021		0.001 (J)	0.00053 (J)	<0.001		<0.001
9/21/2021			0.00071 (J)	<0.001		<0.001
9/22/2021	0.0015 (J)	<0.005			0.00078 (J)	
2/1/2022	0.00079 (J)	0.0011 (J)	0.0007 (J)	<0.001	<0.001	<0.001
8/23/2022	0.000767 (J)	0.000844 (J)	0.000553 (J)	<0.001	<0.001	<0.001
1/24/2023	0.00154	0.000829 (J)	0.000677 (J)	<0.001	<0.001	<0.001
8/22/2023	0.000707 (J)	0.000707 (J)	0.000474 (J)	0.000327 (J)	<0.001	
1/30/2024	0.0014	0.000962 (J)	0.000555 (J)	<0.001	<0.001	
8/27/2024	0.00105	0.000772 (J)	0.000396 (J)	<0.001	<0.001	
2/18/2025	0.000715 (J)	0.00111	<0.001	<0.001	<0.001	
8/26/2025	0.00132	0.000842 (J)	0.000853 (J)	<0.001	0.000481 (J)	
2/18/2026	0.000755 (J)	0.00128	0.00044 (J)	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.001					
9/6/2016		0.0028 (J)				0.0006 (J)
9/8/2016			0.0073 (J)	0.0149	0.0122	
11/16/2016	<0.001					
11/17/2016		0.0072 (J)	0.0086 (J)			
11/18/2016				0.0131		
11/21/2016					0.0122	<0.04
2/21/2017	<0.001	0.0045 (J)	0.0079 (J)	0.0099 (J)		
2/22/2017					0.0136	0.0016 (J)
6/13/2017	<0.001	0.0036 (J)	0.0083 (J)	0.0094 (J)		
6/14/2017					0.0113	0.0015 (J)
9/26/2017	<0.001	0.0037 (J)				
9/27/2017			0.0087 (J)	0.0095 (J)	0.0094 (J)	0.0007 (J)
2/14/2018	<0.001	0.0135	<0.01	0.0112	<0.01	<0.04
6/26/2018	<0.001	0.0098 (J)	0.006 (J)			
6/27/2018				0.0093 (J)	0.0069 (J)	
6/28/2018						0.00078 (J)
7/31/2018	<0.001					
12/18/2018	<0.001	0.0057 (J)	0.0055 (J)		0.0067 (J)	0.0011 (J)
12/20/2018				0.0081 (J)		
8/27/2019	<0.001		0.0042 (J)			0.0014 (J)
8/28/2019				0.01	0.0061 (J)	
8/29/2019		0.0015 (J)				
10/15/2019	<0.001	0.0011 (J)	0.0043 (J)			
10/16/2019					0.0058	
10/17/2019				0.009 (J)		<0.04
12/4/2019				0.0086		0.0012 (J)
3/3/2020	<0.001					
3/4/2020		0.0012 (J)	0.0039 (J)	0.008	0.007	
3/5/2020						0.0011 (J)
8/18/2020	<0.001	0.00067 (J)				
8/19/2020			0.0039 (J)	0.0078	0.0065	0.0008 (J)
9/15/2020	<0.001	0.00076 (J)	0.0035 (J)		0.0064	
9/16/2020				0.008		0.0008 (J)
3/2/2021	<0.001	<0.001	0.003 (J)			
3/3/2021				0.0062	0.0095	0.0015 (J)
9/21/2021	<0.001					
9/22/2021		<0.001				
9/28/2021			0.0029 (J)	0.0047 (J)	0.0069	0.001 (J)
2/1/2022	<0.001	0.00052 (J)				
2/2/2022			0.0027 (J)			0.0012 (J)
2/3/2022					0.0077	
2/4/2022				0.0076		
8/23/2022	<0.001	0.000308 (J)	0.00342			
8/24/2022					0.0066	0.00163
8/25/2022				0.0079		
1/24/2023	<0.001	<0.001				
1/25/2023				0.00711		
1/26/2023			0.0032		0.00823	0.00158
8/22/2023		<0.001				0.00183
8/24/2023			0.00343	0.00601	0.00724	
1/30/2024		<0.001				0.00179

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
1/31/2024			0.00254	0.00392	0.00874	
8/27/2024		<0.001		0.00566	0.00574	
8/28/2024						0.00149
8/29/2024			0.00319			
2/18/2025		<0.001				
2/19/2025			0.00193	0.00157	0.00698	0.00149
8/26/2025				0.00291	0.00587	
8/27/2025		<0.001				0.00236
8/28/2025			0.00338			
2/19/2026		<0.001	0.00236	0.00169	0.00516	0.00234

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.0025 (J)					
11/21/2016	0.001 (J)					
2/22/2017	<0.001					
6/14/2017	<0.001					
9/27/2017	<0.001					
2/14/2018	<0.001					
3/6/2018		<0.001	0.0162	<0.001		
5/1/2018		<0.001	0.015	<0.001		
6/27/2018	<0.001			0.0076 (J)		
6/28/2018			0.01			
7/31/2018			0.0098 (J)			
8/1/2018				0.004 (J)		
8/10/2018					0.0043 (J)	
8/23/2018			0.0093 (J)	0.0016 (J)	0.0026 (J)	
9/19/2018			0.0084 (J)	0.0018 (J)	0.0028 (J)	
10/29/2018			0.0064 (J)	0.0014 (J)	0.0015 (J)	
11/28/2018			0.0071 (J)	0.0016 (J)	0.0012 (J)	
12/19/2018	<0.001			0.0014 (J)		
12/20/2018			0.069		<0.001	
1/17/2019					<0.001	
2/13/2019					<0.001	
8/27/2019	<0.001					
8/28/2019			0.011	0.00037 (J)		
8/29/2019					0.00063 (J)	
10/16/2019				0.00032 (J)	<0.001	
10/17/2019	<0.001		0.0096 (J)			
12/3/2019			0.0076			
12/4/2019	<0.001					
3/4/2020				0.0011 (J)	<0.001	
3/5/2020	<0.001		0.0091			
8/19/2020	<0.001					
8/20/2020			0.022	0.00043 (J)	<0.001	
9/16/2020	<0.001		0.0049 (J)	0.00053 (J)		
9/17/2020					0.00046 (J)	
3/2/2021			0.0057	0.0005 (J)		
3/4/2021	<0.001				<0.001	
9/23/2021			0.0049 (J)	<0.001		
9/28/2021	<0.001	<0.001			<0.001	
2/2/2022	<0.001	<0.001	0.0054	<0.001	<0.001	
2/4/2022						0.019
8/23/2022				<0.001		
8/25/2022	<0.001	<0.001	0.00357		<0.001	0.0232
1/24/2023	<0.001					
1/25/2023		<0.001	0.00258		<0.001	
1/26/2023				0.000376 (J)		
1/30/2023						0.028
8/22/2023	<0.001					
8/23/2023		<0.001				0.0309
8/24/2023			0.00221	<0.001	0.000317 (J)	
1/30/2024	<0.001	0.000408 (J)		<0.001		
2/1/2024			0.00181		0.00042 (J)	0.0299
8/27/2024		<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/28/2024	<0.001			<0.001	<0.001	
8/29/2024			0.00203			0.0335
2/18/2025				<0.001		
2/19/2025	<0.001	<0.001	0.000823 (J)		<0.001	0.0402
8/26/2025	<0.001		0.00193	<0.001		
8/27/2025		<0.001			<0.001	0.0408
2/18/2026						0.0433
2/19/2026	<0.001	<0.001	0.00249	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.000825 (J)				
6/6/2023		0.00258			
8/23/2023	0.00106				
8/24/2023		0.00059 (J)	0.00105		
2/1/2024	0.000852 (J)	0.000829 (J)	0.000519 (J)		
8/27/2024		<0.001	<0.001		
8/29/2024	0.000526 (J)				
2/18/2025		<0.001	<0.001		
2/19/2025	0.000454 (J)				
8/27/2025	0.0006 (J)	<0.001	<0.001		0.0097
8/28/2025				0.000848 (J)	
2/19/2026		<0.001	<0.001		
2/24/2026	<0.001				0.0078
2/25/2026				0.00396	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	1	0.62	0.566	0.428		
9/1/2016					0.603	1.18
11/15/2016				0.645	0.412	
11/16/2016	0.824 (U)	0.43 (U)	0.493 (U)			0.799 (U)
2/20/2017			0.534 (U)	1.36	0.633 (U)	
2/21/2017	1.01	0.96				1.75
6/12/2017	0.532 (U)		0.254 (U)	0.566 (U)	0.112 (U)	
6/13/2017		0.645 (U)				
6/14/2017						2.66
9/26/2017	0.845 (U)	0.299 (U)	0.62 (U)	0.762 (U)	0.167 (U)	0.841 (U)
2/13/2018	0.176 (U)	1.01 (U)	0.0914 (U)	0.349 (U)	0.347 (U)	
2/14/2018						1.13
6/26/2018	1.02 (U)	1.26	1.11 (U)	0.614 (U)	0.903 (U)	1.42
12/18/2018	0.487 (U)	0.44 (U)	0.42 (U)	0.445 (U)	0.353 (U)	0.855 (U)
8/27/2019	1.11	1.47	1.19	1.44	0.65 (U)	1.31
10/15/2019	1.02 (U)	0.807 (U)	0.714 (U)	0.467 (U)	0.402 (U)	1.13 (U)
3/3/2020	1.18 (U)	0.818 (U)	0.996 (U)	1.5	0.397 (U)	1.29 (U)
8/18/2020	0.0861 (U)	1.22 (U)	0.53 (U)	0.581 (U)	0.453 (U)	0.988 (U)
9/15/2020	0.0583 (U)	0.579 (U)	0.215 (U)	0.55 (U)	0.474 (U)	0.762 (U)
3/1/2021	0.127 (U)				0.215 (U)	
3/2/2021		0.342 (U)	0.409 (U)	0.362 (U)		0.901
9/21/2021			0.182 (U)	0.86 (U)		1.33
9/22/2021	0.349 (U)	1.33 (U)			0.943 (U)	
2/1/2022	0.233 (U)	0.251 (U)	1.23	0.23 (U)	0.349 (U)	0.833 (U)
8/23/2022	1.7 (U)	0.531 (U)	2.3	0.735 (U)	0.203 (U)	0.558 (U)
1/24/2023	2.05 (U)	1.35 (U)	0.811 (U)	0.402 (U)	1.55 (U)	1.49 (U)
8/22/2023	0.857 (U)	0.592 (U)	1.36	1.31 (U)	1.89 (U)	
1/30/2024	1.25	2.54	1.48 (U)	0 (U)	1.29	
8/27/2024	0.864 (U)	1.4 (U)	3.62	0.236 (U)	1.64	
2/18/2025	1.02 (U)	0.747 (U)	0.475 (U)	1.3 (U)	2.33	
8/26/2025	5.9	2.04 (U)	2.27	3.65	2.13	
2/18/2026	3.46	2.8	4.9	2.32	1.76 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.643					
9/6/2016		0.585 (U)				1.01 (U)
9/8/2016			0.471	1.74	0.54	
11/16/2016	0.863 (U)					
11/17/2016		0.804 (U)	1.2 (U)			
11/18/2016				0.571 (U)		
11/21/2016					1.59	0.201 (U)
2/21/2017	0.318	0.595	1.31	1.28		
2/22/2017					1.64	0.57 (U)
6/13/2017	0.163 (U)	0.618 (U)	0.738 (U)	0.521 (U)		
6/14/2017					1.32	0.726 (U)
9/26/2017	0.56 (U)	1.26 (U)				
9/27/2017			0.583 (U)	0.595 (U)	1.7	0.884 (U)
2/14/2018	0.537 (U)	1.2 (U)	1.41	1.18 (U)	1.89	1.14 (U)
6/26/2018	1.31	1.34 (U)	0.968 (U)			
6/27/2018				1.3 (U)	1.66	
6/28/2018						1.4
12/18/2018	1.31	1.13 (U)	1.13 (U)		0.759 (U)	0.661 (U)
12/20/2018				0.527 (U)		
8/27/2019	1.32		0.91 (U)			1.35
8/28/2019				0.643 (U)	1.76	
8/29/2019		1.45 (U)				
10/15/2019	1.05 (U)	1.69	1.06 (U)			
10/16/2019					1.69 (U)	
10/17/2019				1.07 (U)		1.25 (U)
3/3/2020	1.68					
3/4/2020		1.45	1.34	1.18	1.23	
3/5/2020						1.35
8/18/2020	0.969 (U)	0.784 (U)				
8/19/2020			0.467 (U)	0.684 (U)	0.876 (U)	1 (U)
9/15/2020	0.359 (U)	1.04 (U)	0.205 (U)		1.23 (U)	
9/16/2020				0.175 (U)		0.43 (U)
3/2/2021	0.925	1.12	0.161 (U)			
3/3/2021				0.829 (U)	1.31 (U)	0.415 (U)
9/21/2021	0.468 (U)					
9/22/2021		1.4				
9/28/2021			4.44	3.58	1.49	0.749 (U)
2/1/2022	0.659 (U)	1.15				
2/2/2022			0.64 (U)			1.21 (U)
2/3/2022					0.798 (U)	
2/4/2022				0.335 (U)		
8/23/2022	1.69 (U)	1.59 (U)	1.9 (U)			
8/24/2022					1.97	3.26
8/25/2022				1.79 (U)		
1/24/2023	3.07	5.62				
1/25/2023				1.53 (U)		
1/26/2023			3.24		2.27 (U)	2.73 (U)
8/22/2023		2.16				2.71
8/24/2023			1.21 (U)	2.23	3.02	
1/30/2024		0.605 (U)				4.11
1/31/2024			3.78	1.49 (U)	3.01	
8/27/2024		2.43		2.41	2.39	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						3.82
8/29/2024			6.24			
2/18/2025		2.42 (U)				
2/19/2025			2.94	1.44 (U)	2.67	1.09 (U)
8/26/2025				3.96	5.92	
8/27/2025		3.86				5.84
8/28/2025			3.62			
2/19/2026			0.661 (U)	2.8	3.14	4.12
2/24/2026		3.8				

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.816					
11/21/2016	0.0569 (U)					
2/22/2017	1.07 (U)					
6/14/2017	0.459 (U)					
9/27/2017	0.807 (U)					
2/14/2018	1.67					
3/6/2018		0.577 (U)	1.25 (U)	1.75		
5/1/2018		0.27 (U)	0.423 (U)	2.09		
6/27/2018	1.34			0.878 (U)		
6/28/2018			0.283 (U)			
7/31/2018			0.243 (U)			
8/1/2018				0.638 (U)		
8/10/2018					1.91	
8/23/2018			1.1 (U)	1.14 (U)	1.86	
9/19/2018			0.369 (U)	1.45	1.64	
10/29/2018			0.401 (U)	1.09 (U)	1.36 (U)	
11/28/2018			0.901 (U)	1.67	1.07 (U)	
12/19/2018	1.21 (U)			1.3		
12/20/2018			0.657 (U)		0.892 (U)	
1/17/2019					0.411	
2/13/2019					1.68	
8/27/2019	0.86 (U)					
8/28/2019			0.528 (U)	0.804 (U)		
8/29/2019					1.44	
10/16/2019				1.28 (U)	2.13	
10/17/2019	1.2 (U)		0.977 (U)			
3/4/2020				0.862 (U)	2.3	
3/5/2020	0.483 (U)		0.921 (U)			
8/19/2020	0.482 (U)					
8/20/2020			0.501 (U)	1.64	2.97	
9/16/2020	0.195 (U)		0.254 (U)	0.51 (U)		
9/17/2020					2.04	
3/2/2021			0.107 (U)	0.571 (U)		
3/4/2021	0.32 (U)				2.04	
9/23/2021			0.619 (U)	0.527 (U)		
9/28/2021	0.947 (U)	0.526 (U)			3.28	
2/2/2022	0.0265 (U)	0.244 (U)	0.219 (U)	0.145 (U)	2.33	
2/4/2022						0.768
8/23/2022				3.74		
8/25/2022	1.32 (U)	1.6 (U)	1.65 (U)		4.97	1.52 (U)
1/24/2023	2.25					
1/25/2023		2.49 (U)	1.29 (U)		7.94	
1/26/2023				3.28		
1/30/2023						6.03
8/22/2023	2.33					
8/23/2023		0.477 (U)				2.31
8/24/2023			0.607 (U)	2.39	6.36	
1/30/2024	0.572 (U)	2.87		2.63		
2/1/2024			1.22 (U)		4.51	1.52 (U)
8/27/2024		2.84				
8/28/2024	0.737 (U)			1.32 (U)	14.7	
8/29/2024			1.71			4.48

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/18/2025				2.18 (U)		
2/19/2025	2.61	0.947 (U)	2.94		4.91	1.73
8/26/2025	2.77		3.39	4.34		
8/27/2025		4.96			9.43	3.38
2/18/2026						2.91
2/19/2026	2.96	3.1	1.98	1.89	7.93	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	4.16				
6/6/2023		7.8			
8/23/2023	1.62				
8/24/2023		0.811 (U)	3.11		
2/1/2024	2.16	0.912 (U)	2.19		
8/27/2024		0.997 (U)	2.81		
8/29/2024	5.43				
2/18/2025		0.399 (U)	2.59		
2/19/2025	1.79 (U)				
8/27/2025	2.12	1.68 (U)	1.63 (U)		2.07
8/28/2025				3.61	
2/19/2026		2.72	2.34		
2/24/2026	7.61				5.08
2/25/2026				2.81	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.11 (J)	0.05 (J)	0.07 (J)	0.19 (J)		
9/1/2016					0.06 (J)	0.2 (J)
11/15/2016				0.08 (J)	0.04 (J)	
11/16/2016	0.05 (J)	0.04 (J)	0.03 (J)			0.14 (J)
2/20/2017			0.06 (J)	0.08 (J)	0.04 (J)	
2/21/2017	0.14 (J)	0.05 (J)				0.16 (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						0.09 (J)
9/26/2017	0.14 (J)	<0.1	<0.1	0.04 (J)	<0.1	0.1 (J)
2/13/2018	<0.1	<0.1	<0.1	<0.1	<0.1	
2/14/2018						<0.3
6/26/2018	0.085 (J)	0.048 (J)	0.045 (J)	0.072 (J)	0.041 (J)	0.079 (J)
12/18/2018	0.085 (J)	<0.1	<0.1	<0.1	<0.1	<0.3
3/19/2019	0.066 (J)	0.037 (J)	<0.1	0.06 (J)	0.03 (J)	<0.3
8/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3
10/15/2019	<0.1	<0.1	<0.1	0.045 (J)	<0.1	0.047 (J)
3/3/2020	0.066 (J)	0.05 (J)	<0.1	0.057 (J)	0.09 (J)	0.056 (J)
8/18/2020	<0.1	<0.1	<0.1	<0.1	<0.1	0.052 (J)
9/15/2020	<0.1	<0.1	<0.1	0.051 (J)	<0.1	0.062 (J)
3/1/2021	<0.1				<0.1	
3/2/2021		<0.1	<0.1	<0.1		0.061 (J)
9/21/2021			<0.1	0.056 (J)		0.071 (J)
9/22/2021	<0.1	<0.1			<0.1	
2/1/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.055 (J)
8/23/2022	<0.1	<0.1	<0.1	<0.1	<0.1	0.151
1/24/2023	<0.1	<0.1	0.149	0.158	0.12	0.214
8/22/2023	0.267	0.229	0.289	0.277	0.0787 (J)	
1/30/2024	<0.1	0.184	0.232	0.233	0.0341 (J)	
8/27/2024	0.0342 (J)	0.0426 (J)	0.0365 (J)	0.0516 (J)	0.0334 (J)	
2/18/2025	0.0566 (J)	0.0709 (J)	0.0553 (J)	0.0749 (J)	0.0527 (J)	
8/26/2025	0.0368 (J)	0.0487 (J)	<0.1	0.0557 (J)	0.0343 (J)	
2/18/2026	0.0548 (J)	0.05 (J)	0.0374 (J)	0.057 (J)	0.046 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	0.05 (J)					
9/6/2016		0.42				0.43
9/8/2016			0.14 (J)	0.31	0.2 (J)	
11/16/2016	0.03 (J)					
11/17/2016		0.15 (J)	0.27 (J)			
11/18/2016				0.19 (J)		
11/21/2016					0.37	0.24 (J)
2/21/2017	0.04 (J)	0.1 (J)	0.6	0.35		
2/22/2017					0.37	0.2 (J)
6/13/2017	0.008 (J)	0.07 (J)	0.19 (J)	0.19 (J)		
6/14/2017					0.38	0.15 (J)
9/26/2017	<0.1	<0.1				
9/27/2017			0.5	0.4	0.4	0.41
2/14/2018	<0.1	<0.1	<0.3	<0.3	<0.3	<0.3
6/26/2018	0.042 (J)	0.053 (J)	0.15 (J)			
6/27/2018				0.26 (J)	0.085 (J)	
6/28/2018						0.93
12/18/2018	<0.1	<0.1	0.29 (J)		0.26 (J)	0.54
12/20/2018				0.26 (J)		
3/19/2019	<0.1	<0.1		0.2 (J)		
3/20/2019			0.18 (J)		0.091 (J)	0.31
8/27/2019	<0.1		0.15 (J)			0.12 (J)
8/28/2019				0.074 (J)	0.055 (J)	
8/29/2019		0.084 (J)				
10/15/2019	<0.1	<0.1	0.16 (J)			
10/16/2019					0.11 (J)	
12/4/2019				0.18 (J)		0.26 (J)
3/3/2020	<0.1					
3/4/2020		<0.1	0.07 (J)	<0.3	<0.3	
3/5/2020						0.051 (J)
8/18/2020	<0.1	<0.1				
8/19/2020			0.17	0.19	0.12	0.14
9/15/2020	<0.1	<0.1	0.15		0.057 (J)	
9/16/2020				0.15		0.13
3/2/2021	<0.1	<0.1	0.15			
3/3/2021				0.24	0.13	0.13
9/21/2021	<0.1					
9/22/2021		0.069 (J)				
9/28/2021			0.15	0.16	0.081 (J)	0.11
2/1/2022	<0.1	<0.1				
2/2/2022			0.15			0.1
2/3/2022					0.11	
2/4/2022				0.14		
8/23/2022	0.129	0.157	0.186			
8/24/2022					0.103	0.318
8/25/2022				0.234		
1/24/2023	0.0926 (J)	0.231				
1/25/2023				0.152		
1/26/2023			0.202		0.0935 (J)	0.167
8/22/2023		0.114				0.116
8/24/2023			0.25	0.302	0.0849 (J)	
1/30/2024		0.275				0.169

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
1/31/2024			0.221	0.222	0.0968 (J)	
5/8/2024				0.342		
8/27/2024		0.204		0.382	0.0849 (J)	
8/28/2024						0.336 (J)
8/29/2024			0.248			
2/18/2025		0.0974 (J)				
2/19/2025			0.281	0.0997 (J)	0.129	0.194
8/26/2025				0.186	0.109	
8/27/2025		0.0836 (J)				0.149
8/28/2025			0.247			
2/19/2026		<0.1	0.261	0.147	0.0975 (J)	0.15

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	0.15 (J)					
11/21/2016	0.04 (J)					
2/22/2017	0.08 (J)					
6/14/2017	0.09 (J)					
9/27/2017	<0.1					
2/14/2018	<0.1					
3/6/2018		<0.1	0.94	1.1		
5/1/2018		<0.1	<0.1	0.89		
6/27/2018	<0.1			0.27 (J)		
6/28/2018			0.69			
7/31/2018			<0.1			
8/1/2018				0.48		
8/10/2018					1.6 (O)	
8/23/2018			<0.1	0.34	0.32	
9/19/2018			<0.1	0.23 (J)	0.22 (J)	
10/29/2018			<0.1	<0.2	0.14 (J)	
11/28/2018			<0.1	0.063 (J)	0.24 (J)	
12/19/2018	0.23 (J)			0.28 (J)		
12/20/2018			0.12 (J)		0.3	
1/17/2019					0.23 (J)	
2/13/2019					<0.1	
3/19/2019				<0.2		
3/20/2019	<0.1		0.066 (J)		0.14 (J)	
8/27/2019	<0.1					
8/28/2019			<0.1	<0.2		
8/29/2019					0.087 (J)	
10/16/2019				0.076 (J)	0.22 (J)	
12/3/2019			0.19 (J)			
12/4/2019	0.11 (J)					
3/4/2020				<0.2	0.1 (J)	
3/5/2020	<0.1		<0.1			
8/19/2020	<0.1					
8/20/2020			<0.1	<0.2	0.23	
9/16/2020	<0.1		0.052 (J)	<0.2		
9/17/2020					0.074 (J)	
3/2/2021			0.067 (J)	<0.2		
3/4/2021	<0.1				0.28	
9/23/2021			0.06 (J)	<0.2		
9/28/2021	<0.1	0.08 (J)			0.12	
2/2/2022	<0.1	0.065 (J)	<0.1	<0.2	0.098 (J)	
2/4/2022						0.14
8/23/2022				<0.2		
8/25/2022	0.138	0.184	0.166		0.157	0.235
1/24/2023	0.082 (J)					
1/25/2023		0.13	0.163		0.169	
1/26/2023				0.117		
1/30/2023						0.23
8/22/2023	0.0477 (J)					
8/23/2023		0.195				0.252
8/24/2023			0.185	0.243	0.188 (J)	
1/30/2024	0.207	0.242		0.11		
2/1/2024			0.126		0.215	0.289

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
5/8/2024	0.0853 (J)					
8/27/2024		0.193				
8/28/2024	0.0511 (J)			<0.2	0.0748 (J)	
8/29/2024			0.078 (J)			0.139
2/18/2025				0.189		
2/19/2025	0.0774 (J)	0.127	0.142		0.152	0.194
8/26/2025	0.0564 (J)		0.0663 (J)	0.0971 (J)		
8/27/2025		0.107			0.0985 (J)	0.141
2/18/2026						0.167
2/19/2026	<0.1	<0.1	<0.1	0.0603 (J)	<0.1	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.166				
6/6/2023		0.0891 (J)			
7/5/2023			0.157		
8/23/2023	0.218				
8/24/2023		0.157	0.14		
2/1/2024	0.211	0.232	0.0996 (J)		
8/27/2024		0.159	0.155		
8/29/2024	0.126				
2/18/2025		0.0877 (J)	0.0816 (J)		
2/19/2025	0.135				
8/27/2025	0.114	0.0901 (J)	0.066 (J)		0.0961 (J)
8/28/2025				0.28	
2/19/2026		0.109	<0.1		
2/24/2026	0.141				0.151
2/25/2026				0.205	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.002	<0.002	<0.002	<0.002		
9/1/2016					0.0001 (J)	<0.002
11/15/2016				<0.002	<0.002	
11/16/2016	<0.002	<0.002	<0.002			<0.002
2/20/2017			<0.002	0.0002 (J)	<0.002	
2/21/2017	<0.002	<0.002				<0.002
6/12/2017	8E-05 (J)		<0.002	0.0001 (J)	8E-05 (J)	
6/13/2017		<0.002				
6/14/2017						<0.002
9/26/2017	7E-05 (J)	7E-05 (J)	<0.002	0.0001 (J)	<0.002	<0.002
2/13/2018	<0.002	<0.002	<0.002	<0.002	<0.002	
2/14/2018						<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/27/2019	<0.002	5.8E-05 (J)	<0.002	0.00036 (J)	<0.002	<0.002
10/15/2019	<0.002	<0.002	<0.002	7.9E-05 (J)	<0.002	<0.002
3/3/2020	<0.002	<0.002	<0.002	7.9E-05 (J)	7.3E-05 (J)	<0.002
8/18/2020	<0.002	<0.002	<0.002	0.0001 (J)	<0.002	<0.002
9/15/2020	<0.002	<0.002	0.0013 (J)	4.3E-05 (J)	<0.002	<0.002
3/1/2021	<0.002				<0.002	
3/2/2021		<0.002	3.7E-05 (J)	<0.002		<0.002
9/21/2021			<0.002	<0.002		<0.002
9/22/2021	<0.002	<0.002			<0.002	
2/1/2022	<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
1/24/2023	<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	
1/30/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
8/27/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
2/18/2025	<0.002	<0.002	<0.002	<0.002	<0.002	
8/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002	
2/18/2026	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.002					
9/6/2016		<0.002				<0.002
9/8/2016			<0.002	<0.002	0.0004 (J)	
11/16/2016	<0.002					
11/17/2016		<0.002	<0.002			
11/18/2016				<0.002		
11/21/2016					0.0006 (J)	<0.002
2/21/2017	<0.002	<0.002	<0.002	<0.002		
2/22/2017					0.0005 (J)	<0.002
6/13/2017	<0.002	<0.002	<0.002	<0.002		
6/14/2017					0.0004 (J)	<0.002
9/26/2017	<0.002	<0.002				
9/27/2017			<0.002	<0.002	0.0006 (J)	<0.002
2/14/2018	<0.002	<0.002	<0.002	<0.002	<0.005 (O)	<0.002
6/26/2018	<0.002	<0.002	<0.002			
6/27/2018				<0.002	0.00032 (J)	
6/28/2018						<0.002
12/18/2018	<0.002	<0.002	<0.002		0.00038 (J)	<0.002
12/20/2018				<0.002		
8/27/2019	<0.002		0.00011 (J)			<0.002
8/28/2019				<0.002	0.00027 (J)	
8/29/2019		7E-05 (J)				
10/15/2019	<0.002	<0.002	<0.002			
10/16/2019					0.00027 (J)	
12/4/2019				6.3E-05 (J)		<0.002
3/3/2020	<0.002					
3/4/2020		<0.002	<0.002	<0.002	0.0003 (J)	
3/5/2020						<0.002
8/18/2020	<0.002	<0.002				
8/19/2020			<0.002	<0.002	0.00025 (J)	<0.002
9/15/2020	<0.002	<0.002	<0.002		0.00029 (J)	
9/16/2020				<0.002		0.00011 (J)
3/2/2021	<0.002	<0.002	<0.002			
3/3/2021				<0.002	0.00033 (J)	<0.002
9/21/2021	<0.002					
9/22/2021		<0.002				
9/28/2021			<0.002	<0.002	<0.002	<0.002
2/1/2022	<0.002	<0.002				
2/2/2022			<0.002			<0.002
2/3/2022					<0.002	
2/4/2022				<0.002		
8/23/2022	<0.002	<0.002	<0.002			
8/24/2022					<0.002	<0.002
8/25/2022				<0.002		
1/24/2023	<0.002	<0.002				
1/25/2023				<0.002		
1/26/2023			<0.002		<0.002	<0.002
8/22/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024		<0.002				<0.002
1/31/2024			<0.002	<0.002	<0.002	
8/27/2024		<0.002		<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.002
8/29/2024			<0.002			
2/18/2025		<0.002				
2/19/2025			<0.002	<0.002	<0.002	<0.002
8/26/2025				<0.002	<0.002	
8/27/2025		<0.002				<0.002
8/28/2025			<0.002			
2/19/2026		<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.002					
11/21/2016	<0.002					
2/22/2017	<0.002					
6/14/2017	<0.002					
9/27/2017	<0.002					
2/14/2018	<0.002					
3/6/2018		<0.002	<0.002	<0.002		
5/1/2018		<0.002	<0.002	<0.002		
6/27/2018	<0.002			<0.002		
6/28/2018			<0.002			
7/31/2018			<0.002			
8/1/2018				<0.002		
8/10/2018					<0.002	
8/23/2018			<0.002	<0.002	<0.002	
9/19/2018			<0.002	<0.002	<0.002	
10/29/2018			<0.002	<0.002	<0.002	
11/28/2018			<0.002	<0.002	<0.002	
12/19/2018	<0.002			<0.002		
12/20/2018			<0.002		<0.002	
1/17/2019					<0.002	
2/13/2019					<0.002	
8/27/2019	<0.002					
8/28/2019			<0.002	<0.002		
8/29/2019					<0.002	
10/16/2019				<0.002	<0.002	
12/3/2019			<0.002			
12/4/2019	<0.002					
3/4/2020				0.00012 (J)	<0.002	
3/5/2020	<0.002		0.00026 (J)			
8/19/2020	<0.002					
8/20/2020			0.00021 (J)	4.8E-05 (J)	<0.002	
9/16/2020	<0.002		5.3E-05 (J)	6.6E-05 (J)		
9/17/2020					<0.002	
3/2/2021			<0.002	<0.002		
3/4/2021	<0.002				4.2E-05 (J)	
9/23/2021			<0.002	<0.002		
9/28/2021	<0.002	<0.002			<0.002	
2/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	
2/4/2022						<0.002
8/23/2022				<0.002		
8/25/2022	<0.002	<0.002	<0.002		<0.002	<0.002
1/24/2023	<0.002					
1/25/2023		<0.002	0.000595 (J)		<0.002	
1/26/2023				<0.002		
1/30/2023						<0.002
8/22/2023	<0.002					
8/23/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024	<0.002	<0.002		<0.002		
2/1/2024			<0.002		<0.002	<0.002
8/27/2024		<0.002				
8/28/2024	<0.002			<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.002			<0.002
2/18/2025				<0.002		
2/19/2025	<0.002	<0.002	<0.002		<0.002	<0.002
8/26/2025	<0.002		<0.002	<0.002		
8/27/2025		<0.002			<0.002	<0.002
2/18/2026						<0.002
2/19/2026	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.002				
6/6/2023		<0.002			
8/23/2023	<0.002				
8/24/2023		<0.002	<0.002		
2/1/2024	0.000504 (J)	<0.002	<0.002		
8/27/2024		<0.002	<0.002		
8/29/2024	<0.002				
2/18/2025		<0.002	<0.002		
2/19/2025	<0.002				
8/27/2025	<0.002	<0.002	<0.002		<0.002
8/28/2025				<0.002	
2/19/2026		<0.002	<0.002		
2/24/2026	<0.002				<0.002
2/25/2026				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0268 (J)	<0.01	<0.01	<0.01		
9/1/2016					0.003 (J)	0.0061 (J)
11/15/2016				<0.01	0.0033 (J)	
11/16/2016	0.0201 (J)	<0.01	0.0033 (J)			0.0054 (J)
2/20/2017			<0.01	<0.01	0.0025 (J)	
2/21/2017	0.0128 (J)	<0.01				0.0058 (J)
6/12/2017	0.0245 (J)		0.0019 (J)	<0.01	0.0027 (J)	
6/13/2017		<0.01				
6/14/2017						0.0054 (J)
9/26/2017	0.0549	<0.01	0.0022 (J)	<0.01	0.0023 (J)	0.0037 (J)
2/13/2018	0.0595	<0.01	0.0041 (J)	<0.01	0.0027 (J)	
2/14/2018						0.0038 (J)
6/26/2018	0.089	<0.01	0.0025 (J)	<0.01	0.0029 (J)	0.0045 (J)
12/18/2018	0.024 (J)	<0.01	0.0032 (J)	<0.01	0.0026 (J)	0.0038 (J)
8/27/2019	0.035 (J)	<0.01	0.0019 (J)	<0.01	0.0028 (J)	0.0039 (J)
10/15/2019	0.028 (J)	<0.01	0.002 (J)	<0.01	0.0024 (J)	0.0037 (J)
3/3/2020	0.055	<0.01	0.0013 (J)	<0.01	0.0026 (J)	0.0033 (J)
8/18/2020	0.054	<0.01	0.00095 (J)	<0.01	0.0026 (J)	0.0039 (J)
9/15/2020	0.033	<0.01	0.001 (J)	<0.01	0.0027 (J)	0.0037 (J)
3/1/2021	0.027 (J)				0.0036 (J)	
3/2/2021		<0.01	0.00081 (J)	<0.01		0.0045 (J)
9/21/2021			0.0012 (J)	<0.01		0.0037 (J)
9/22/2021	0.021 (J)	<0.01			0.0035 (J)	
2/1/2022	0.023 (J)	<0.01	0.0011 (J)	<0.01	0.0029 (J)	0.0037 (J)
8/23/2022	0.0262	<0.01	<0.01	<0.01	0.00314 (J)	0.00451 (J)
1/24/2023	0.00919 (J)	<0.01	<0.01	<0.01	0.00341 (J)	0.00529 (J)
8/22/2023	0.0209	<0.01	<0.01	<0.01	<0.01	
1/30/2024	0.00407 (J)	<0.01	<0.01	<0.01	0.00317 (J)	
8/27/2024	0.00584 (J)	<0.01	0.00337 (J)	<0.01	0.00322 (J)	
2/18/2025	0.00603 (J)	<0.01	<0.01	<0.01	<0.01	
8/26/2025	0.00708 (J)	<0.01	0.0069 (J)	<0.01	0.00358 (J)	
2/18/2026	0.00509 (J)	<0.01	0.00628 (J)	<0.01	0.00346 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.01					
9/6/2016		0.0028 (J)				0.0117 (J)
9/8/2016			<0.01	0.0021 (J)	0.004 (J)	
11/16/2016	<0.01					
11/17/2016		0.0063 (J)	<0.01			
11/18/2016				<0.01		
11/21/2016					0.0039 (J)	0.0108 (J)
2/21/2017	<0.01	0.0052 (J)	<0.01	<0.01		
2/22/2017					0.0043 (J)	0.0103 (J)
6/13/2017	<0.01	0.0061 (J)	<0.01	0.0017 (J)		
6/14/2017					0.0036 (J)	0.0101 (J)
9/26/2017	<0.01	0.0087 (J)				
9/27/2017			<0.01	0.0016 (J)	0.0038 (J)	0.0116 (J)
2/14/2018	<0.01	0.0104 (J)	<0.01	0.0018 (J)	0.0034 (J)	0.0115 (J)
6/26/2018	<0.01	0.0095 (J)	<0.01			
6/27/2018				0.0016 (J)	0.0034 (J)	
6/28/2018						0.013 (J)
12/18/2018	<0.01	0.0091 (J)	<0.01		0.0032 (J)	0.014 (J)
12/20/2018				0.0015 (J)		
8/27/2019	<0.01		<0.01			0.016 (J)
8/28/2019				0.0016 (J)	0.0033 (J)	
8/29/2019		0.007 (J)				
10/15/2019	<0.01	0.0069 (J)	<0.01			
10/16/2019					0.0029 (J)	
12/4/2019				0.0014 (J)		0.013
3/3/2020	<0.01					
3/4/2020		0.0074 (J)	<0.01	0.0014 (J)	0.0029 (J)	
3/5/2020						0.016 (J)
8/18/2020	<0.01	0.0099 (J)				
8/19/2020			<0.01	0.0014 (J)	0.0029 (J)	0.018 (J)
9/15/2020	<0.01	0.011 (J)	<0.01		0.003 (J)	
9/16/2020				0.0014 (J)		0.016 (J)
3/2/2021	<0.01	0.0093 (J)	<0.01			
3/3/2021				0.0012 (J)	0.0032 (J)	0.014 (J)
9/21/2021	<0.01					
9/22/2021		0.0074 (J)				
9/28/2021			<0.01	0.0011 (J)	0.0029 (J)	0.023 (J)
2/1/2022	<0.01	0.008 (J)				
2/2/2022			<0.01			0.021 (J)
2/3/2022					0.0026 (J)	
2/4/2022				0.001 (J)		
8/23/2022	<0.01	0.00792 (J)	<0.01			
8/24/2022					0.00304 (J)	0.0238
8/25/2022				<0.01		
1/24/2023	<0.01	0.00749 (J)				
1/25/2023				<0.01		
1/26/2023			<0.01		0.00331 (J)	0.0279
8/22/2023		0.00596 (J)				0.0253
8/24/2023			<0.01	<0.01	0.00349 (J)	
1/30/2024		0.00729 (J)				0.0305
1/31/2024			<0.01	<0.01	0.00337 (J)	
8/27/2024		0.00687 (J)		<0.01	0.00305 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						0.0295
8/29/2024			<0.01			
2/18/2025		0.00934 (J)				
2/19/2025			<0.01	<0.01	<0.01	0.0301
8/26/2025				<0.01	<0.01	
8/27/2025		0.0102				0.0314
8/28/2025			<0.01			
2/19/2026		0.011	<0.01	<0.01	<0.01	0.0384

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.05					
11/21/2016	<0.05					
2/22/2017	0.0023 (J)					
6/14/2017	0.0022 (J)					
9/27/2017	0.0021 (J)					
2/14/2018	0.0023 (J)					
3/6/2018		0.0046 (J)	0.0031 (J)	0.0399 (J)		
5/1/2018		0.0049 (J)	0.0038 (J)	0.044 (J)		
6/27/2018	0.0023 (J)			0.044 (J)		
6/28/2018			0.0028 (J)			
7/31/2018			<0.25 (O)			
8/1/2018				0.039 (J)		
8/10/2018					0.0087 (J)	
8/23/2018			0.0033 (J)	0.044 (J)	0.0089 (J)	
9/19/2018			0.0033 (J)	0.043 (J)	0.005 (J)	
10/29/2018			0.003 (J)	0.039 (J)	0.0048 (J)	
11/28/2018			0.0035 (J)	0.044 (J)	0.0052 (J)	
12/19/2018	0.0018 (J)			0.043 (J)		
12/20/2018			0.003 (J)		0.0042 (J)	
1/17/2019					0.0039 (J)	
2/13/2019					<0.05	
8/27/2019	0.0022 (J)					
8/28/2019			0.0034 (J)	0.044 (J)		
8/29/2019					0.0052 (J)	
10/16/2019				0.038	0.0023 (J)	
12/3/2019			0.0033 (J)			
12/4/2019	0.0022 (J)					
3/4/2020				0.042	0.002 (J)	
3/5/2020	0.0022 (J)		0.003 (J)			
8/19/2020	0.002 (J)					
8/20/2020			0.0034 (J)	0.044	0.0022 (J)	
9/16/2020	0.0022 (J)		0.0036 (J)	0.039		
9/17/2020					0.0058 (J)	
3/2/2021			0.0043 (J)	0.044		
3/4/2021	0.002 (J)				0.003 (J)	
9/23/2021			0.0023 (J)	0.042		
9/28/2021	0.0021 (J)	0.0048 (J)			0.0035 (J)	
2/2/2022	0.0035 (J)	0.0058 (J)	0.0022 (J)	0.04	0.0041 (J)	
2/4/2022						0.007 (J)
8/23/2022				0.0474		
8/25/2022	0.0043 (J)	0.00652 (J)	<0.01		0.0162	0.00509 (J)
1/24/2023	0.007 (J)					
1/25/2023		0.00728 (J)	0.00333 (J)		0.0186	
1/26/2023				0.0506		
1/30/2023						0.0066 (J)
8/22/2023	0.00392 (J)					
8/23/2023		0.0056 (J)				0.00516 (J)
8/24/2023			<0.01	0.0532	0.0131	
1/30/2024	0.00591 (J)	0.00537 (J)		0.0484		
2/1/2024			<0.01		0.0122	0.00557 (J)
8/27/2024		0.00629 (J)				
8/28/2024	0.00514 (J)			0.0436	0.00997 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.01			0.00651 (J)
2/18/2025				0.0456		
2/19/2025	0.00514 (J)	0.00581 (J)	<0.01		0.0114	0.00669 (J)
8/26/2025	0.00383 (J)		<0.01	0.0469		
8/27/2025		0.0154			0.0154	0.00692 (J)
2/18/2026						0.00776 (J)
2/19/2026	0.00489 (J)	0.00546 (J)	0.00368 (J)	0.0545	0.0148	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.00899 (J)				
6/6/2023		0.00704 (J)			
8/23/2023	0.00399 (J)				
8/24/2023		0.00711 (J)	0.00579 (J)		
2/1/2024	0.00564 (J)	0.00702 (J)	0.00411 (J)		
8/27/2024		0.00825 (J)	0.00433 (J)		
8/29/2024	0.00633 (J)				
2/18/2025		0.00692 (J)	0.00355 (J)		
2/19/2025	<0.01				
8/27/2025	0.00448 (J)	0.00759 (J)	0.00373 (J)		<0.01
8/28/2025				<0.01	
2/19/2026		0.00849 (J)	0.00465 (J)		
2/24/2026	0.00317 (J)				<0.01
2/25/2026				<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002		
9/1/2016					<0.0002	<0.0002
11/15/2016				<0.0002	<0.0002	
11/16/2016	<0.0002	<0.0002	<0.0002			<0.0002
2/20/2017			<0.0002	8E-05 (J)	<0.0002	
2/21/2017	<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						6E-05 (J)
9/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2018	0.00021	0.00019 (J)	<0.0002	0.00013 (J)	<0.0002	
2/14/2018						5.2E-05 (J)
6/26/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
12/18/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/15/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/1/2021	<0.0002				<0.0002	
3/2/2021		<0.0002	<0.0002	<0.0002		<0.0002
9/21/2021			0.0001 (J)	0.0001 (J)		0.0001 (J)
9/22/2021	0.0001 (J)	0.0001 (J)			0.0001 (J)	
2/1/2022	<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
1/24/2023	<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	
1/30/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
8/27/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/18/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
8/26/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/18/2026	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.0002					
9/6/2016		<0.0002				<0.0002
9/8/2016			<0.0002	<0.0002	<0.0002	
11/16/2016	<0.0002					
11/17/2016		<0.0002	<0.0002			
11/18/2016				<0.0002		
11/21/2016					<0.0002	<0.0002
2/21/2017	<0.0002	<0.0002	<0.0002	<0.0002		
2/22/2017					<0.0002	<0.0002
6/13/2017	<0.0002	<0.0002	<0.0002	5E-05 (J)		
6/14/2017					7E-05 (J)	7E-05 (J)
9/26/2017	<0.0002	<0.0002				
9/27/2017			4E-05 (J)	4.7E-05 (J)	4E-05 (J)	4E-05 (J)
2/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/26/2018	<0.0002	<0.0002	<0.0002			
6/27/2018				<0.0002	<0.0002	
6/28/2018						<0.0002
12/18/2018	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
12/20/2018				<0.0002		
8/27/2019	<0.0002		<0.0002			<0.0002
8/28/2019				<0.0002	<0.0002	
8/29/2019		<0.0002				
8/18/2020	<0.0002	<0.0002				
8/19/2020			8.3E-05 (J)	<0.0002	9.8E-05 (J)	8.2E-05 (J)
9/15/2020	<0.0002	<0.0002	<0.0002		<0.0002	
9/16/2020				<0.0002		<0.0002
3/2/2021	<0.0002	<0.0002	<0.0002			
3/3/2021				<0.0002	<0.0002	<0.0002
9/21/2021	0.0001 (J)					
9/22/2021		0.0001 (J)				
9/28/2021			<0.0002	<0.0002	<0.0002	<0.0002
2/1/2022	<0.0002	<0.0002				
2/2/2022			<0.0002			<0.0002
2/3/2022					<0.0002	
2/4/2022				<0.0002		
8/23/2022	<0.0002	<0.0002	<0.0002			
8/24/2022					<0.0002	<0.0002
8/25/2022				<0.0002		
1/24/2023	<0.0002	<0.0002				
1/25/2023				<0.0002		
1/26/2023			<0.0002		<0.0002	<0.0002
8/22/2023		<0.0002				<0.0002
8/24/2023			<0.0002	<0.0002	<0.0002	
1/30/2024		<0.0002				<0.0002
1/31/2024			<0.0002	<0.0002	0.00078	
8/27/2024		<0.0002		<0.0002	<0.0002	
8/28/2024						<0.0002
8/29/2024			<0.0002			
2/18/2025		<0.0002				
2/19/2025			<0.0002	<0.0002	0.000384	<0.0002
8/26/2025				<0.0002	<0.0002	
8/27/2025		<0.0002				<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2025			<0.0002			
2/19/2026		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.0002					
11/21/2016	<0.0002					
2/22/2017	<0.0002					
6/14/2017	9E-05 (J)					
9/27/2017	0.0001 (J)					
2/14/2018	<0.0002					
3/6/2018		<0.0002	<0.0002	<0.0002		
5/1/2018		<0.0002	<0.0002	<0.0002		
6/27/2018	<0.0002			<0.0002		
6/28/2018			<0.0002			
7/31/2018			<0.0002			
8/1/2018				<0.0002		
8/10/2018					<0.0002	
8/23/2018			<0.0002	<0.0002	<0.0002	
9/19/2018			<0.0002	<0.0002	<0.0002	
10/29/2018			<0.0002	<0.0002	<0.0002	
11/28/2018			<0.0002	<0.0002	<0.0002	
12/19/2018	<0.0002			<0.0002		
12/20/2018			<0.0002		<0.0002	
1/17/2019					<0.0002	
2/13/2019					<0.0002	
8/27/2019	<0.0002					
8/28/2019			<0.0002	<0.0002		
8/29/2019					<0.0002	
8/19/2020	8.2E-05 (J)					
8/20/2020			<0.0002	<0.0002	<0.0002	
9/16/2020	<0.0002		<0.0002	<0.0002		
9/17/2020					<0.0002	
3/2/2021			<0.0002	<0.0002		
3/4/2021	<0.0002				<0.0002	
9/23/2021			<0.0002	<0.0002		
9/28/2021	<0.0002	<0.0002			<0.0002	
2/2/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/4/2022						<0.0002
8/23/2022				<0.0002		
8/25/2022	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
1/24/2023	<0.0002					
1/25/2023		<0.0002	<0.0002		<0.0002	
1/26/2023				<0.0002		
1/30/2023						<0.0002
8/22/2023	<0.0002					
8/23/2023		<0.0002				<0.0002
8/24/2023			<0.0002	<0.0002	<0.0002	
1/30/2024	<0.0002	<0.0002		<0.0002		
2/1/2024			<0.0002		<0.0002	<0.0002
8/27/2024		<0.0002				
8/28/2024	<0.0002			<0.0002	<0.0002	
8/29/2024			<0.0002			<0.0002
2/18/2025				<0.0002		
2/19/2025	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
8/26/2025	<0.0002		<0.0002	<0.0002		
8/27/2025		<0.0002			<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/18/2026						<0.0002
2/19/2026	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.0002				
6/6/2023		<0.0002			
8/23/2023	<0.0002				
8/24/2023		<0.0002	<0.0002		
2/1/2024	<0.0002	<0.0002	<0.0002		
8/27/2024		<0.0002	<0.0002		
8/29/2024	<0.0002				
2/18/2025		0.000121 (J)	<0.0002		
2/19/2025	<0.0002				
8/27/2025	<0.0002	<0.0002	<0.0002		<0.0002
8/28/2025				<0.0002	
2/19/2026		<0.0002	<0.0002		
2/24/2026	<0.0002				<0.0002
2/25/2026				<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	0.0021 (J)	<0.001	0.004 (J)	<0.001		
9/1/2016					<0.001	0.002 (J)
11/15/2016				<0.001	<0.001	
11/16/2016	<0.01	<0.001	0.0038 (J)			<0.01
2/20/2017			0.0055 (J)	<0.001	<0.001	
2/21/2017	0.0021 (J)	<0.001				<0.01
6/12/2017	0.0021 (J)		0.005 (J)	<0.001	<0.001	
6/13/2017		<0.001				
6/14/2017						<0.01
9/26/2017	0.0011 (J)	<0.001	0.0053 (J)	<0.001	<0.001	<0.01
2/13/2018	0.0019 (J)	<0.001	0.008 (J)	<0.001	<0.001	
2/14/2018						<0.01
6/26/2018	<0.01	<0.001	0.0041 (J)	<0.001	<0.001	<0.01
12/18/2018	<0.01	<0.001	0.0048 (J)	<0.001	<0.001	<0.01
8/27/2019	<0.01	<0.001	0.0028 (J)	<0.001	<0.001	<0.01
10/15/2019	<0.01	<0.001	0.0035 (J)	<0.001	<0.001	<0.01
3/3/2020	<0.01	<0.001	0.0023 (J)	<0.001	<0.001	
8/18/2020	0.0011 (J)	<0.001	0.0015 (J)	<0.001	<0.001	<0.01
9/15/2020	0.0007 (J)	<0.001	0.0015 (J)	<0.001	<0.001	<0.01
3/1/2021	<0.01				<0.001	
3/2/2021		<0.001	0.0015 (J)	<0.001		<0.01
9/21/2021			0.002 (J)	<0.001		<0.01
9/22/2021	0.0012 (J)	<0.001			<0.001	
2/1/2022	0.0013 (J)	<0.001	0.002 (J)	<0.001	<0.001	<0.01
8/23/2022	0.0024	<0.001	0.00151	<0.001	<0.001	0.000413 (J)
1/24/2023	0.000601 (J)	<0.001	0.00192	<0.001	<0.001	0.000388 (J)
8/22/2023	0.00169	<0.001	0.000953 (J)	<0.001	<0.001	
1/30/2024	0.000362 (J)	<0.001	0.00143	<0.001	<0.001	
8/27/2024	0.000313 (J)	<0.001	0.00134	<0.001	<0.001	
2/18/2025	0.000375 (J)	<0.001	0.00141	<0.001	<0.001	
8/26/2025	0.000324 (J)	<0.001	0.00106	<0.001	<0.001	
2/18/2026	0.000357 (J)	<0.001	0.00112	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.001					
9/6/2016		0.0028 (J)				<0.01
9/8/2016			<0.01	<0.001	<0.001	
11/16/2016	<0.001					
11/17/2016		<0.001	<0.01			
11/18/2016				<0.001		
11/21/2016					<0.001	<0.01
2/21/2017	<0.001	<0.001	<0.01	<0.001		
2/22/2017					<0.001	<0.01
6/13/2017	<0.001	<0.001	<0.01	<0.001		
6/14/2017					<0.001	<0.01
9/26/2017	<0.001	<0.001				
9/27/2017			<0.01	<0.001	<0.001	<0.01
2/14/2018	<0.001	<0.001	<0.01	<0.001	<0.001	<0.01
6/26/2018	<0.001	<0.001	<0.01			
6/27/2018				<0.001	<0.001	
6/28/2018						<0.01
12/18/2018	<0.001	<0.001	<0.01		<0.001	<0.01
12/20/2018				<0.001		
8/27/2019	<0.001		<0.01			<0.01
8/28/2019				<0.001	<0.001	
8/29/2019		<0.001				
10/15/2019	<0.001	<0.001	<0.01			
10/16/2019					<0.001	
12/4/2019				<0.001		<0.01
8/18/2020	<0.001	<0.001				
8/19/2020			0.00081 (J)	<0.001	<0.001	0.00078 (J)
9/15/2020	<0.001	<0.001	0.0008 (J)		<0.001	
9/16/2020				<0.001		0.0022 (J)
3/2/2021	<0.001	<0.001	0.001 (J)			
3/3/2021				<0.001	<0.001	<0.01
9/21/2021	<0.001					
9/22/2021		<0.001				
9/28/2021			0.00089 (J)	<0.001	<0.001	0.001 (J)
2/1/2022	<0.001	<0.001				
2/2/2022			0.0011 (J)			0.0012 (J)
2/3/2022					<0.001	
2/4/2022				<0.001		
8/23/2022	<0.001	<0.001	0.00105			
8/24/2022					<0.001	0.00141
8/25/2022				<0.001		
1/24/2023	<0.001	<0.001				
1/25/2023				<0.001		
1/26/2023			0.00092 (J)		<0.001	0.0014
8/22/2023		<0.001				0.00111
8/24/2023			0.00141	<0.001	<0.001	
1/30/2024		0.000217 (J)				0.00137
1/31/2024			0.0014	0.000213 (J)	<0.001	
8/27/2024		0.000225 (J)		0.000211 (J)	<0.001	
8/28/2024						0.00123
8/29/2024			0.00123			
2/18/2025		0.000273 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
2/19/2025			0.00082 (J)	<0.001	<0.001	0.00128
8/26/2025				0.000512 (J)	<0.001	
8/27/2025		0.000415 (J)				0.00119
8/28/2025			0.00143			
2/19/2026		0.000512 (J)	0.00115	<0.001	<0.001	0.00108

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.001					
11/21/2016	<0.001					
2/22/2017	<0.001					
6/14/2017	<0.001					
9/27/2017	<0.001					
2/14/2018	<0.001					
3/6/2018		<0.001	<0.001	<0.01		
5/1/2018		<0.001	<0.001	<0.01		
6/27/2018	<0.001			<0.01		
6/28/2018			<0.001			
7/31/2018			<0.001			
8/1/2018				<0.01		
8/10/2018					0.0032 (J)	
8/23/2018			<0.001	<0.01	0.005 (J)	
9/19/2018			<0.001	<0.01	0.0061 (J)	
10/29/2018			<0.001	<0.01	0.0065 (J)	
11/28/2018			<0.001	<0.01	0.0027 (J)	
12/19/2018	<0.001			<0.01		
12/20/2018			<0.001		<0.01	
1/17/2019					<0.01	
2/13/2019					<0.01	
8/27/2019	<0.001					
8/28/2019			<0.001	<0.01		
8/29/2019					<0.01	
10/16/2019				<0.01	<0.01	
12/3/2019			<0.001			
12/4/2019	<0.001					
8/19/2020	<0.001					
8/20/2020			0.00076 (J)	<0.01	0.0012 (J)	
9/16/2020	<0.001		<0.001	<0.01		
9/17/2020					0.0007 (J)	
3/2/2021			<0.001	<0.01		
3/4/2021	<0.001				0.001 (J)	
9/23/2021			<0.001	<0.01		
9/28/2021	<0.001	<0.001			<0.01	
2/2/2022	<0.001	<0.001	<0.001	<0.01	<0.01	
2/4/2022						0.00092 (J)
8/23/2022				0.000296 (J)		
8/25/2022	<0.001	<0.001	0.000424 (J)		0.000471 (J)	0.000741 (J)
1/24/2023	<0.001					
1/25/2023		<0.001	0.000545 (J)		0.000609 (J)	
1/26/2023				0.00027 (J)		
1/30/2023						0.000803 (J)
8/22/2023	<0.001					
8/23/2023		<0.001				0.000539 (J)
8/24/2023			0.000356 (J)	0.000296 (J)	0.000782 (J)	
1/30/2024	<0.001	<0.001		0.00028 (J)		
2/1/2024			<0.001		0.000564 (J)	0.0007 (J)
8/27/2024		<0.001				
8/28/2024	<0.001			0.000252 (J)	0.000691 (J)	
8/29/2024			0.000207 (J)			0.000827 (J)
2/18/2025				0.000295 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	<0.001	<0.001	0.000261 (J)		0.000826 (J)	0.000765 (J)
8/26/2025	<0.001		<0.001	0.000245 (J)		
8/27/2025		<0.001			0.000863 (J)	0.000704 (J)
2/18/2026						0.000864 (J)
2/19/2026	<0.001	<0.001	0.000221 (J)	0.000256 (J)	0.000972 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	0.0111				
6/6/2023		0.00276			
8/23/2023	0.00625				
8/24/2023		0.000597 (J)	<0.001		
2/1/2024	0.00598	<0.001	<0.001		
8/27/2024		<0.001	<0.001		
8/29/2024	0.00702				
2/18/2025		<0.001	<0.001		
2/19/2025	0.00612				
8/27/2025	0.00499	<0.001	<0.001		0.000299 (J)
8/28/2025				0.00262	
2/19/2026		<0.001	<0.001		
2/24/2026	0.00618				0.000395 (J)
2/25/2026				0.00122	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	7.16	6.2	6.53	6.59		
9/1/2016					6.49	6.71
11/15/2016				6.67	6.59	
11/16/2016	6.96	6.12	6.4			6.15
2/20/2017			6.44	6.65	6.61	
2/21/2017	7.15	6.24				6.52
6/12/2017	7.31		6.4	6.64		
6/13/2017		6.19				
6/14/2017						6.51
9/26/2017	7.02	6.15	6.31	6.58	6.47	6.42
2/13/2018	7.44	6.18	6.62	6.72	6.54	
2/14/2018						6.48
6/26/2018	6.93	6.05	6.29	6.43	6.23	6.2
7/31/2018						6.37
12/18/2018	6.76	5.92	6.57	6.7	6.71	6.5
3/19/2019	6.87	6.18	6.45	6.63	6.18	6.28
8/27/2019	6.79	6.09	6.37	6.49	6.35	6.35
10/15/2019	6.57	6.06	6.77	7.01	6.36	6.8
3/3/2020	6.71	6.1	6.29	6.49	6.59	6.33
8/18/2020	6.59	6.06	6.29	6.41	6.33	6.25
9/15/2020	6.64	6.01	6.27	6.25	6.43	6.01
3/1/2021	6.66				6.7	
3/2/2021		6.2	6.47	6.42		6.11
9/21/2021			6.32	6.36		6.53
9/22/2021	6.78	6.06			6.48	
2/1/2022	6.83	5.95	6.38	6.39	6.54	6.4
8/23/2022	6.67	5.95	6.24	6.36	6.51	6.39
10/12/2022		5.69				
1/24/2023	6.7	5.26	6.42	6.47	6.54	6.48
8/22/2023	6.95	5.96	6.24	6.08	6.09	
10/30/2023	6.22	5.5			6.28	
1/30/2024	6.57	6.05	6.44	6.38	5.75	
8/27/2024	6.6	6.02	6.56	6.65	6.8	
2/18/2025	6.42	5.88	6.17	6.42	6.38	
8/26/2025	6.39	5.79	6.42	6.43	6.47	
2/18/2026	6.3	5.63	6.17	6.31	6.38	

Time Series

Constituent: pH, Field (SU) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	6					
9/6/2016		6.49				6.23
9/8/2016			6.07	5.51	4.62	
11/16/2016	6					
11/17/2016		5.79	5.96			
11/18/2016				5.53		
11/21/2016					4.44	6.23
2/21/2017	6.09	6.15	5.98	5.63		
2/22/2017					4.42	6.16
6/13/2017	6.03	5.87	5.96	5.57		
6/14/2017					4.45	6.16
9/26/2017	5.85	5.82				
9/27/2017			5.85	5.53	4.33	6.16
2/14/2018	5.99	5.83	5.94	5.83	4.42	6.24
6/26/2018	5.86	5.73	5.87			
6/27/2018				5.53	4.37	
6/28/2018						6.21
7/31/2018	5.99					
12/18/2018	6.08	5.78	5.84		4.38	6.18
12/20/2018				5.78		
3/19/2019	5.71	5.28		5.75		
3/20/2019			6.03		4.4	6.24
8/27/2019	6		6.01			6.17
8/28/2019				5.51	4.39	
8/29/2019		5.64				
10/15/2019	6.61	5.7	6			
10/16/2019					4.79	
10/17/2019				6.01		6.43
12/4/2019				5.71		6.18
3/3/2020	5.94					
3/4/2020		5.7	6.02	5.8	4.5	
3/5/2020						5.99
8/18/2020	5.95	5.56				
8/19/2020			6.32	5.81	4.67	6.36
9/15/2020	6	5.72	6		4.53	
9/16/2020				5.81		6.29
3/2/2021	5.92	5.75	6.1			
3/3/2021				5.9	4.46	6.29
9/21/2021	5.87					
9/22/2021		5.72				
9/28/2021			5.97	5.82	4.23	6.33
2/1/2022	5.81	5.65				
2/2/2022			6.23			6.34
2/3/2022					4.23	
2/4/2022				5.97		
8/23/2022	5.9	5.66	6.11			
8/24/2022					4.39	6.38
8/25/2022				6.03		
1/24/2023	5.97	5.76				
1/25/2023				5.63		
1/26/2023			6.18		4.3	6.28
4/24/2023		5.56	6.25			

Time Series

Constituent: pH, Field (SU) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/22/2023		5.89				6.44
8/24/2023			6.14	6.01	4.48	
1/30/2024		5.87				6.39
1/31/2024			6.31	5.83	4.37	
5/8/2024				6.08		
8/27/2024		5.92		5.95	4.47	
8/28/2024						6.49
8/29/2024			6.52			
2/18/2025		5.8				
2/19/2025			6.13	5.44	3.91	6.37
8/26/2025				5.79	4.52	
8/27/2025		6				6.3
8/28/2025			6.34			
2/19/2026		6.04	6.19	5.75	4.31	6.41
2/24/2026		5.85				

Time Series

Constituent: pH, Field (SU) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	5.89					
11/21/2016	5.56					
2/22/2017	5.87					
6/14/2017	5.83					
9/27/2017	5.87					
2/14/2018	6.01					
3/6/2018		6.1	6.15	6		
3/15/2018			5.26			
5/1/2018		6.12	6.14	5.85		
6/27/2018	5.83			5.87		
6/28/2018			5.88			
7/31/2018			6.07			
8/1/2018				5.79		
8/10/2018					6.28	
8/23/2018					6.75	
9/19/2018			5.9	5.71	6.48	
10/29/2018			5.93	5.76	6.77	
11/28/2018			5.99	5.74	6.44	
12/19/2018	5.79			5.8		
12/20/2018			6.04		6.75	
1/17/2019					6.41	
2/13/2019					6.42	
3/19/2019				5.89		
3/20/2019	5.88		6.1		6.59	
8/27/2019	5.85					
8/28/2019			5.86	5.74		
8/29/2019					6.27	
10/16/2019				5.9	7	
10/17/2019	6.09		5.93			
12/3/2019			5.94			
12/4/2019	5.83					
3/4/2020				5.76	6.54	
3/5/2020	5.74		5.95			
5/12/2020	5.88					
8/19/2020	5.97					
8/20/2020			5.86	5.75	6.85	
9/16/2020	5.79		5.27	5.76		
9/17/2020					6.12	
3/2/2021			6.17	5.59		
3/4/2021	5.98				5.87	
9/23/2021			5.95	5.74		
9/28/2021	5.82	6.22			6.81	
2/2/2022	5.99	6.2	5.92	5.75	6.35	
2/4/2022						5.89
8/23/2022				5.61		
8/25/2022	6.06	6.06	5.74		6.21	5.65
1/24/2023	6.05					
1/25/2023		6.13	5.82		6.25	
1/26/2023				5.65		
1/30/2023						5.66
4/24/2023			5.9		6.63	
4/25/2023		6.24		5.64		5.59

Time Series

Constituent: pH, Field (SU) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
5/30/2023	5.73					
8/22/2023	5.98					
8/23/2023		6.11				5.68
8/24/2023			5.71	5.69	6.24	
10/30/2023		5.73				
1/30/2024	5.98	6.18		5.73		
2/1/2024			5.85		6.3	5.7
5/8/2024	5.93					
8/27/2024		6.19				
8/28/2024	6.05			5.57	6.49	
8/29/2024			6.26			5.7
2/18/2025				5.73		
2/19/2025	6.11	6.2	5.78		6.26	5.59
8/26/2025	6.14		5.8	5.79		
8/27/2025		5.95			6.19	5.57
2/18/2026						5.29
2/19/2026	5.87	6.03	5.8	5.62	6.1	

Time Series

Constituent: pH, Field (SU) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	7.28				
6/6/2023		5.83			
7/5/2023			5.68		
8/23/2023	7.41				
8/24/2023		5.89	5.76		
2/1/2024	7.41	6.09	5.92		
8/27/2024		5.89	5.63		
8/29/2024	7.36				
2/18/2025		6.03	5.84		
2/19/2025	7.23				
8/27/2025	7.37	6.01	5.77		5.8
8/28/2025				6.78	
2/19/2026		6.03	5.68		
2/24/2026	7.05				5.57
2/25/2026				6.34	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.005	<0.005	<0.005	<0.005		
9/1/2016					<0.005	<0.005
11/15/2016				<0.005	<0.005	
11/16/2016	<0.005	<0.005	<0.005			<0.005
2/20/2017			<0.005	<0.005	<0.005	
2/21/2017	<0.005	<0.005				<0.005
6/12/2017	<0.005		<0.005	<0.005	<0.005	
6/13/2017		<0.005				
6/14/2017						<0.005
9/26/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005	
2/14/2018						<0.005
6/26/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
12/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/15/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/3/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/18/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/1/2021	<0.005				<0.005	
3/2/2021		<0.005	<0.005	<0.005		<0.005
9/21/2021			<0.005	<0.005		<0.005
9/22/2021	<0.005	<0.005			<0.005	
2/1/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/23/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/24/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/22/2023	<0.005	<0.005	<0.005	<0.005	<0.005	
1/30/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
8/27/2024	<0.005	<0.005	<0.005	<0.005	<0.005	
2/18/2025	<0.005	<0.005	<0.005	<0.005	<0.005	
8/26/2025	<0.005	<0.005	<0.005	<0.005	<0.005	
2/18/2026	<0.005	<0.005	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.005					
9/6/2016		<0.005				<0.005
9/8/2016			<0.005	0.0043 (J)	0.0039 (J)	
11/16/2016	<0.005					
11/17/2016		0.0052 (J)	<0.005			
11/18/2016				0.0047 (J)		
11/21/2016					0.0058 (J)	<0.005
2/21/2017	<0.005	0.0018 (J)	<0.005	0.0025 (J)		
2/22/2017					0.005 (J)	<0.005
6/13/2017	<0.005	<0.005	<0.005	0.0036 (J)		
6/14/2017					0.0074 (J)	0.0045 (J)
9/26/2017	<0.005	<0.005				
9/27/2017			<0.005	0.004 (J)	0.0068 (J)	0.0034 (J)
2/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/26/2018	<0.005	0.0036 (J)	<0.005			
6/27/2018				0.0014 (J)	<0.005	
6/28/2018						<0.005
12/18/2018	<0.005	0.0044 (J)	<0.005		<0.005	<0.005
12/20/2018				<0.005		
8/27/2019	<0.005		<0.005			0.0038 (J)
8/28/2019				0.0017 (J)	<0.005	
8/29/2019		0.0023 (J)				
10/15/2019	<0.005	0.0022 (J)	<0.005			
10/16/2019					<0.005	
12/4/2019				0.0036 (J)		0.0018 (J)
3/3/2020	<0.005					
3/4/2020		0.0019 (J)	<0.005	0.0022 (J)	0.0018 (J)	
3/5/2020						<0.005
8/18/2020	<0.005	0.0033 (J)				
8/19/2020			<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	0.0028 (J)	<0.005		<0.005	
9/16/2020				0.0042 (J)		<0.005
3/2/2021	<0.005	0.006	0.0021 (J)			
3/3/2021				0.0031 (J)	0.0042 (J)	<0.005
9/21/2021	<0.005					
9/22/2021		0.0016 (J)				
9/28/2021			<0.005	<0.005	0.0022 (J)	<0.005
2/1/2022	<0.005	0.002 (J)				
2/2/2022			<0.005			<0.005
2/3/2022					<0.005	
2/4/2022				<0.005		
8/23/2022	<0.005	<0.005	<0.005			
8/24/2022					<0.005	<0.005
8/25/2022				<0.005		
1/24/2023	<0.005	<0.005				
1/25/2023				<0.005		
1/26/2023			<0.005		<0.005	<0.005
8/22/2023		<0.005				<0.005
8/24/2023			<0.005	<0.005	<0.005	
1/30/2024		<0.005				<0.005
1/31/2024			<0.005	<0.005	0.00229 (J)	
8/27/2024		<0.005		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.005
8/29/2024			<0.005			
2/18/2025		0.0024 (J)				
2/19/2025			0.00217 (J)	0.00309 (J)	0.0045 (J)	0.00316 (J)
8/26/2025				0.00256 (J)	0.00465 (J)	
8/27/2025		<0.005				<0.005
8/28/2025			<0.005			
2/19/2026		<0.005	<0.005	<0.005	0.00195 (J)	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.01					
11/21/2016	<0.01					
2/22/2017	0.0017 (J)					
6/14/2017	<0.01					
9/27/2017	0.0019 (J)					
2/14/2018	<0.01					
3/6/2018		<0.005	<0.005	<0.005		
5/1/2018		<0.005	<0.005	<0.005		
6/27/2018	0.0017 (J)			<0.005		
6/28/2018			<0.005			
7/31/2018			<0.005			
8/1/2018				0.0015 (J)		
8/10/2018					<0.005	
8/23/2018			<0.005	0.0024 (J)	<0.005	
9/19/2018			<0.005	0.002 (J)	<0.005	
10/29/2018			<0.005	<0.005	<0.005	
11/28/2018			<0.005	<0.005	<0.005	
12/19/2018	0.0059 (J)			<0.005		
12/20/2018			<0.005		<0.005	
1/17/2019					<0.005	
2/13/2019					<0.005	
8/27/2019	0.057					
8/28/2019			<0.005	<0.005		
8/29/2019					<0.005	
10/16/2019				0.0017 (J)	<0.005	
12/3/2019			0.0029 (J)			
12/4/2019	0.1					
3/4/2020				<0.005	<0.005	
3/5/2020	0.1		<0.005			
5/12/2020	0.0989					
8/19/2020	0.099					
8/20/2020			<0.005	0.0016 (J)	<0.005	
9/16/2020	0.12		<0.005	0.002 (J)		
9/17/2020					<0.005	
3/2/2021			<0.005	0.0028 (J)		
3/4/2021	0.14				<0.005	
9/23/2021			<0.005	<0.005		
9/28/2021	0.13	<0.005			<0.005	
2/2/2022	0.21	<0.005	<0.005	<0.005	<0.005	
2/4/2022						<0.005
8/23/2022				<0.005		
8/25/2022	0.218	<0.005	<0.005		<0.005	<0.005
1/24/2023	0.198					
1/25/2023		<0.005	<0.005		<0.005	
1/26/2023				<0.005		
1/30/2023						<0.005
5/30/2023	0.189					
8/22/2023	0.21					
8/23/2023		<0.005				<0.005
8/24/2023			<0.005	<0.005	<0.005	
1/30/2024	0.17	<0.005		<0.005		
2/1/2024			<0.005		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/27/2024		<0.005				
8/28/2024	0.0945			<0.005	<0.005	
8/29/2024			<0.005			<0.005
2/18/2025				<0.005		
2/19/2025	0.0782	0.00202 (J)	0.00237 (J)		0.00198 (J)	0.00262 (J)
8/26/2025	0.0694		<0.005	0.00175 (J)		
8/27/2025		<0.005			<0.005	<0.005
2/18/2026						<0.005
2/19/2026	0.0446	<0.005	<0.005	<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.005				
6/6/2023		0.0237			
7/5/2023			0.0732		
8/23/2023	<0.005				
8/24/2023		0.0423	0.0696		
2/1/2024	<0.005	0.0489	0.0954		
8/27/2024		0.0597	0.106		
8/29/2024	<0.005				
2/18/2025		0.0622	0.122		
2/19/2025	0.00205 (J)				
8/27/2025	<0.005	0.0696	0.128		<0.005
8/28/2025				<0.005	
2/19/2026		0.079	0.137		
2/24/2026	<0.005				<0.005
2/25/2026				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	7.5	0.38 (J)	2.7	0.81 (J)		
9/1/2016					0.6 (J)	2.7
11/15/2016				0.87 (J)	0.49 (J)	
11/16/2016	6.6	0.36 (J)	3.4			3.6
2/20/2017			3.9	1	0.98 (J)	
2/21/2017	6.1	1.5				3
6/12/2017	5		3.7	0.94 (J)	0.54 (J)	
6/13/2017		0.67 (J)				
6/14/2017						2.6
9/26/2017	5.4	0.62 (J)	4.1	0.92 (J)	0.53 (J)	2.5
2/13/2018	4.7 (J)	<1	6.6	<1	<1	
2/14/2018						2.1 (J)
6/26/2018	6.2	0.69 (J)	3.5	0.91 (J)	0.54 (J)	2
7/31/2018						1.9
12/18/2018	5.9	0.72 (J)	4.3	0.68 (J)	0.39 (J)	2.1
3/19/2019	6	0.78 (J)	3	0.74 (J)	0.68 (J)	2.2
10/15/2019	5.2	0.47 (J)	3.8	0.68 (J)	0.48 (J)	1.9
3/3/2020	7.1	0.93 (J)	2.8	0.71 (J)	2.5	1.8
9/15/2020	5.9	<1	1.7	<1	<1	1.7
3/1/2021	4.7				0.74 (J)	
3/2/2021		<1	2.2	<1		1.7
9/21/2021			2.3	<1		1.7
9/22/2021	5.2	<1			<1	
2/1/2022	5.4	<1	2	<1	<1	1.4
8/23/2022	5.66	0.452	2.21	0.521	0.479	1.84
1/24/2023	3.58	0.465	3.34	0.66	0.484	1.8
8/22/2023	6.85	0.526	1.83	0.54	0.467	
1/30/2024	2.65	0.423	2.74	0.617	0.456	
8/27/2024	2.58	0.444	2.67	0.652	0.465	
2/18/2025	3.07	0.341 (J)	3.16	0.543	0.468	
8/26/2025	2.9	0.435	3.13	0.585	0.485	
2/18/2026	2.74	0.387 (J)	2.95	0.629	0.33 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	1.7					
9/6/2016		38				310
9/8/2016			280	300	460	
11/16/2016	1.2					
11/17/2016		84	200			
11/18/2016				320		
11/21/2016					500	300
2/21/2017	1.1	39	360	270		
2/22/2017					570	280
6/13/2017	1.1	35	290	230		
6/14/2017					440	290
9/26/2017	1.3	89				
9/27/2017			310	260	380	260
2/14/2018	<1	82.2	260	232	280	250
6/26/2018	0.84 (J)	84.2	231			
6/27/2018				205	281	
6/28/2018						276
7/31/2018	0.63 (J)					
12/18/2018	0.66 (J)	83.4	231		293	440
12/20/2018				200		
3/19/2019	0.75 (J)	65		199		
3/20/2019			240		278	623
10/15/2019	0.61 (J)	30	174			
10/16/2019					266	
12/4/2019				241		327
3/3/2020	0.51 (J)					
3/4/2020		38.6	165	205	238	
3/5/2020						369
9/15/2020	<1	41.5	126		241	
9/16/2020				190		334
3/2/2021	0.51	54	139			
3/3/2021				172	341	371
9/21/2021	0.51 (J)					
9/22/2021		34.6				
9/28/2021			112	137	250	612
2/1/2022	<1	36.8				
2/2/2022			117			580
2/3/2022					274	
2/4/2022				172		
8/23/2022	0.636	24.4	158			
8/24/2022					298	935
8/25/2022				176		
1/24/2023	0.628	19.7				
1/25/2023				150		
1/26/2023			182		293	1030
8/22/2023		11.3				1250
8/24/2023			174	94.5	288	
1/30/2024		10.4				1210
1/31/2024			169	155	328	
5/8/2024				196		
8/27/2024		9.73		174	261	
8/28/2024						1260

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			216			
2/18/2025		13.6				
2/19/2025			204	134	346	1310
8/26/2025				146	309	
8/27/2025		11.5				1290
8/28/2025			201			
2/19/2026		21.7	131	137	326	1290

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	370					
11/21/2016	420					
2/22/2017	380					
6/14/2017	400					
9/27/2017	400					
2/14/2018	383					
3/6/2018		51.8	111	1560		
5/1/2018		51	112	1560		
6/27/2018	372			1450		
6/28/2018			109			
7/31/2018			107			
8/1/2018				1560		
8/10/2018					183	
8/23/2018			108	1470	145	
9/19/2018			117	1500	178	
10/29/2018			127	1720	157	
11/28/2018			133	1730	189	
12/19/2018	370			1520		
12/20/2018			113		150	
1/17/2019					157	
2/13/2019					169	
3/19/2019				1100		
3/20/2019	409		127		180	
10/16/2019				1560	155	
12/3/2019			105			
12/4/2019	293					
3/4/2020				1380	129	
3/5/2020	269		106			
9/16/2020	255		103	1360		
9/17/2020					165	
3/2/2021			98.3	1360		
3/4/2021	185				114	
9/23/2021			97.5	1240		
9/28/2021	189	47.2			132	
2/2/2022	210	45.3	90.1	1170	126	
2/4/2022						195
8/23/2022				1410		
8/25/2022	254	47	114		142	234
1/24/2023	247					
1/25/2023		41	102		145	
1/26/2023				1310		
1/30/2023						280
8/22/2023	256					
8/23/2023		49.5				294
8/24/2023			114	1300	150	
1/30/2024	246	42.4		1360		
2/1/2024			110		145	352
5/8/2024	233					
8/27/2024		41.8				
8/28/2024	201			1310	150	
8/29/2024			150			344
2/18/2025				1340		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	196	41.1	169		149	403
8/26/2025	166		277	1220		
8/27/2025		42			150	436
2/18/2026						451
2/19/2026	143	43	443	1210	154	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	258				
6/6/2023		304			
7/5/2023			267		
8/23/2023	298				
8/24/2023		309	275		
2/1/2024	279	306	304		
8/27/2024		260	257		
8/29/2024	280				
2/18/2025		268	273		
2/19/2025	308				
8/27/2025	288	252	263		301
8/28/2025				29.3	
2/19/2026		230	258		
2/24/2026	306				293
2/25/2026				30.7	

Time Series

Constituent: TDS (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	151	88	138	154		
9/1/2016					299 (O)	142
11/15/2016				123	41	
11/16/2016	69	41	77			100
2/20/2017			170	158	133	
2/21/2017	68	<25				71
6/12/2017	161		132	142	61	
6/13/2017		53				
6/14/2017						140
9/26/2017	167	45	108	138	29	149
2/13/2018	165	63	141	150	61	
2/14/2018						137
6/26/2018	188	71	133	154	71	142
7/31/2018						133
12/18/2018	145	78	138	147	70	135
3/19/2019	154	68	130	146	72	132
10/15/2019	140	66	175	144	63	134
3/3/2020	155	41	<10	130	54	115
9/15/2020	116	69	100	116	79	95
3/1/2021	98				39	
3/2/2021		43	80	96		93
9/21/2021			108	104		117
9/22/2021	129	66			62	
2/1/2022	126	72	129	124	61	114
8/23/2022	117	45	107	101	52	104
1/24/2023	93	63	124	104	64	114
8/22/2023	81	36	80	73	30	
1/30/2024	98	54	118	113	45	
8/27/2024	82	51	107	101	57	
2/18/2025	84	44	106	92	46	
8/26/2025	89	76	123	115	48	
2/18/2026	98	68	112	108	51	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	69					
9/6/2016		146				505
9/8/2016			460	478	654	
11/16/2016	100					
11/17/2016		211	611			
11/18/2016				503		
11/21/2016					819	515
2/21/2017	37	151	497	380		
2/22/2017					721	504
6/13/2017	84	130	474	354		
6/14/2017					661	536
9/26/2017	68	160				
9/27/2017			457	376	518	432
2/14/2018	138	194	431	503	487	448
6/26/2018	90	221	414			
6/27/2018				458	648	
6/28/2018						494
7/31/2018	83					
12/18/2018	85	208	401		407	715
12/20/2018				344		
3/19/2019	82	161		334		
3/20/2019			412		391	885
10/15/2019	89	124	380			
10/16/2019					2030	
12/4/2019				422		612
3/3/2020	72					
3/4/2020		118	330	326	391	
3/5/2020						681
9/15/2020	60	109	272		281	
9/16/2020				301		634
3/2/2021	43	105	280			
3/3/2021				288	515	690
9/21/2021	56					
9/22/2021		128				
9/28/2021			270	262	457	1050
2/1/2022	63	130				
2/2/2022			283			1110
2/3/2022					419	
2/4/2022				301		
8/23/2022	55	103	315			
8/24/2022					383	1540
8/25/2022				311		
1/24/2023	59	102				
1/25/2023				260		
1/26/2023			339		419	1680
8/22/2023		70				1920
8/24/2023			354	309	418	
1/30/2024		85				1970
1/31/2024			391	299	535	
5/8/2024				371		
8/27/2024		86		346	424	
8/28/2024						2030

Time Series

Constituent: TDS (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/29/2024			492			
2/18/2025		104				
2/19/2025			419	222	519	2120
8/26/2025				275	503	
8/27/2025		107				2200
8/28/2025			443			
2/19/2026		99	338	264	508	2100

Time Series

Constituent: TDS (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	607					
11/21/2016	695					
2/22/2017	635					
6/14/2017	635					
9/27/2017	601					
2/14/2018	628					
3/6/2018		191	346	2200		
5/1/2018		189	374	2080		
6/27/2018	2280			31		
6/28/2018			333			
7/31/2018			393			
8/1/2018				2190		
8/10/2018					344	
8/23/2018			350	2160	333	
9/19/2018			353	2160	364	
10/29/2018			329	2130	334	
11/28/2018			358	2320	357	
12/19/2018	605			2060		
12/20/2018			322		355	
1/17/2019					347	
2/13/2019					350	
3/19/2019				2050		
3/20/2019	564		302		366	
10/16/2019				2220	346	
12/3/2019			362			
12/4/2019	526					
3/4/2020				2140	351	
3/5/2020	489		297			
9/16/2020	428		275	2090		
9/17/2020					329	
3/2/2021			264	1680		
3/4/2021	350				383	
9/23/2021			277	1770		
9/28/2021	375	181			336	
2/2/2022	443	181	276	1850	160	
2/4/2022						403
8/23/2022				2060		
8/25/2022	437	167	248		296	419
1/24/2023	425					
1/25/2023		156	251		276	
1/26/2023				2010		
1/30/2023						448
8/22/2023	412					
8/23/2023		184				503
8/24/2023			242	1970	281	
1/30/2024	418	179		2160		
2/1/2024			255		303	561
5/8/2024	363					
8/27/2024		180				
8/28/2024	374			1780	310	
8/29/2024			353			625
2/18/2025				1960		

Time Series

Constituent: TDS (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
2/19/2025	351	131	348		298	664
8/26/2025	309		527	1940		
8/27/2025		176			308	712
2/18/2026						763
2/19/2026	284	169	761	1890	321	

Time Series

Constituent: TDS (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	525				
6/6/2023		523			
7/5/2023			487		
8/23/2023	597				
8/24/2023		506	430		
2/1/2024	583	536	450		
8/27/2024		519	467		
8/29/2024	601				
2/18/2025		471	476		
2/19/2025	568				
8/27/2025	591	472	496		501
8/28/2025				270	
2/19/2026		450	464		
2/24/2026	614				492
2/25/2026				217	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)
8/31/2016	<0.002	<0.002	<0.002	<0.002		
9/1/2016					<0.002	<0.002
11/15/2016				<0.002	<0.002	
11/16/2016	<0.002	<0.002	<0.002			<0.002
2/20/2017			<0.002	<0.002	<0.002	
2/21/2017	<0.002	<0.002				<0.002
6/12/2017	<0.002		<0.002	<0.002	<0.002	
6/13/2017		<0.002				
6/14/2017						<0.002
9/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2018	<0.002	<0.002	<0.002	<0.002	<0.002	
2/14/2018						<0.002
6/26/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/18/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/15/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/3/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/1/2021	<0.002				<0.002	
3/2/2021		<0.002	<0.002	<0.002		<0.002
9/21/2021			<0.002	<0.002		<0.002
9/22/2021	<0.002	<0.002			<0.002	
2/1/2022	<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
1/24/2023	<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	
1/30/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
8/27/2024	<0.002	<0.002	<0.002	<0.002	<0.002	
2/18/2025	<0.002	<0.002	<0.002	<0.002	<0.002	
8/26/2025	<0.002	<0.002	<0.002	<0.002	<0.002	
2/18/2026	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/1/2016	<0.002					
9/6/2016		<0.002				<0.002
9/8/2016			<0.002	<0.002	<0.002	
11/16/2016	<0.002					
11/17/2016		<0.002	<0.002			
11/18/2016				<0.002		
11/21/2016					0.0002 (J)	<0.002
2/21/2017	<0.002	<0.002	<0.002	<0.002		
2/22/2017					0.0002 (J)	<0.002
6/13/2017	<0.002	<0.002	<0.002	<0.002		
6/14/2017					0.0002 (J)	<0.002
9/26/2017	<0.002	<0.002				
9/27/2017			<0.002	<0.002	0.0002 (J)	<0.002
2/14/2018	<0.002	<0.002	<0.002	<0.002	0.00018 (J)	<0.002
6/26/2018	<0.002	<0.002	<0.002			
6/27/2018				<0.002	0.00017 (J)	
6/28/2018						<0.002
12/18/2018	<0.002	<0.002	<0.002		0.00017 (J)	<0.002
12/20/2018				<0.002		
8/27/2019	<0.002		<0.002			<0.002
8/28/2019				<0.002	0.00017 (J)	
8/29/2019		<0.002				
10/15/2019	<0.002	<0.002	<0.002			
10/16/2019					0.00017 (J)	
12/4/2019				<0.002		<0.002
3/3/2020	<0.002					
3/4/2020		<0.002	<0.002	<0.002	0.00016 (J)	
3/5/2020						<0.002
8/18/2020	<0.002	<0.002				
8/19/2020			<0.002	<0.002	0.00016 (J)	<0.002
9/15/2020	<0.002	<0.002	<0.002		0.00016 (J)	
9/16/2020				<0.002		<0.002
3/2/2021	<0.002	<0.002	<0.002			
3/3/2021				<0.002	0.00018 (J)	<0.002
9/21/2021	<0.002					
9/22/2021		<0.002				
9/28/2021			<0.002	<0.002	<0.002	<0.002
2/1/2022	<0.002	<0.002				
2/2/2022			<0.002			<0.002
2/3/2022					<0.002	
2/4/2022				<0.002		
8/23/2022	<0.002	<0.002	<0.002			
8/24/2022					<0.002	<0.002
8/25/2022				<0.002		
1/24/2023	<0.002	<0.002				
1/25/2023				<0.002		
1/26/2023			<0.002		<0.002	<0.002
8/22/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024		<0.002				<0.002
1/31/2024			<0.002	<0.002	<0.002	
8/27/2024		<0.002		<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-12S (bg)	BRGWA-23S (bg)	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
8/28/2024						<0.002
8/29/2024			<0.002			
2/18/2025		<0.002				
2/19/2025			<0.002	<0.002	<0.002	<0.002
8/26/2025				<0.002	<0.002	
8/27/2025		<0.002				<0.002
8/28/2025			<0.002			
2/19/2026		<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
9/8/2016	<0.002					
11/21/2016	<0.002					
2/22/2017	<0.002					
6/14/2017	<0.002					
9/27/2017	<0.002					
2/14/2018	<0.002					
3/6/2018		<0.002	<0.002	<0.002		
5/1/2018		<0.002	<0.002	<0.002		
6/27/2018	<0.002			<0.002		
6/28/2018			<0.002			
7/31/2018			<0.002			
8/1/2018				<0.002		
8/10/2018					<0.002	
8/23/2018			<0.002	<0.002	<0.002	
9/19/2018			<0.002	<0.002	<0.002	
10/29/2018			<0.002	<0.002	<0.002	
11/28/2018			<0.002	<0.002	<0.002	
12/19/2018	<0.002			<0.002		
12/20/2018			<0.002		<0.002	
1/17/2019					<0.002	
2/13/2019					<0.002	
8/27/2019	<0.002					
8/28/2019			<0.002	<0.002		
8/29/2019					<0.002	
10/16/2019				<0.002	<0.002	
12/3/2019			<0.002			
12/4/2019	<0.002					
3/4/2020				<0.002	<0.002	
3/5/2020	<0.002		<0.002			
8/19/2020	<0.002					
8/20/2020			<0.002	<0.002	<0.002	
9/16/2020	<0.002		<0.002	<0.002		
9/17/2020					<0.002	
3/2/2021			<0.002	<0.002		
3/4/2021	<0.002				<0.002	
9/23/2021			<0.002	<0.002		
9/28/2021	<0.002	<0.002			<0.002	
2/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002	
2/4/2022						<0.002
8/23/2022				<0.002		
8/25/2022	<0.002	<0.002	<0.002		<0.002	<0.002
1/24/2023	<0.002					
1/25/2023		<0.002	<0.002		<0.002	
1/26/2023				<0.002		
1/30/2023						<0.002
8/22/2023	<0.002					
8/23/2023		<0.002				<0.002
8/24/2023			<0.002	<0.002	<0.002	
1/30/2024	<0.002	<0.002		<0.002		
2/1/2024			<0.002		<0.002	<0.002
8/27/2024		<0.002				
8/28/2024	<0.002			<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/29/2024			<0.002			<0.002
2/18/2025				<0.002		
2/19/2025	<0.002	<0.002	<0.002		<0.002	<0.002
8/26/2025	<0.002		<0.002	<0.002		
8/27/2025		<0.002			<0.002	<0.002
2/18/2026						<0.002
2/19/2026	<0.002	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/29/2026 10:59 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

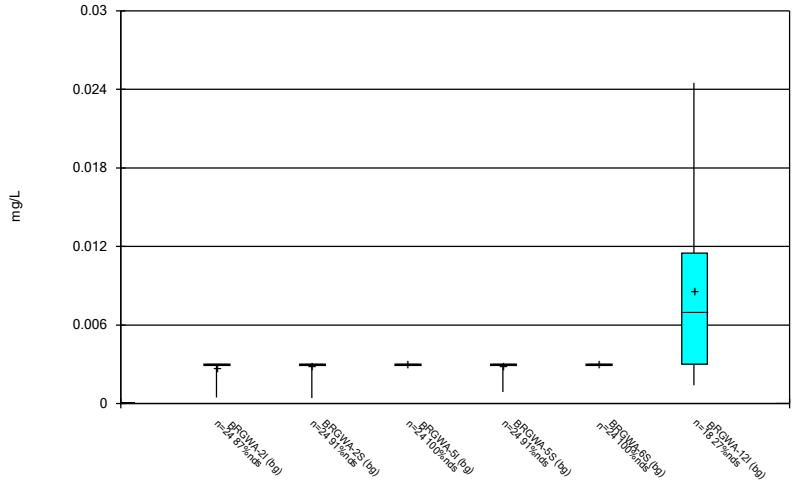
	PZ-68D	PZ-74I	PZ-75I	PZ-80	PZ-81
2/1/2023	<0.002				
6/6/2023		<0.002			
8/23/2023	<0.002				
8/24/2023		<0.002	<0.002		
2/1/2024	<0.002	<0.002	<0.002		
8/27/2024		<0.002	<0.002		
8/29/2024	<0.002				
2/18/2025		<0.002	<0.002		
2/19/2025	<0.002				
8/27/2025	<0.002	<0.002	<0.002		<0.002
8/28/2025				<0.002	
2/19/2026		<0.002	<0.002		
2/24/2026	<0.002				<0.002
2/25/2026				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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Box & Whiskers Plot

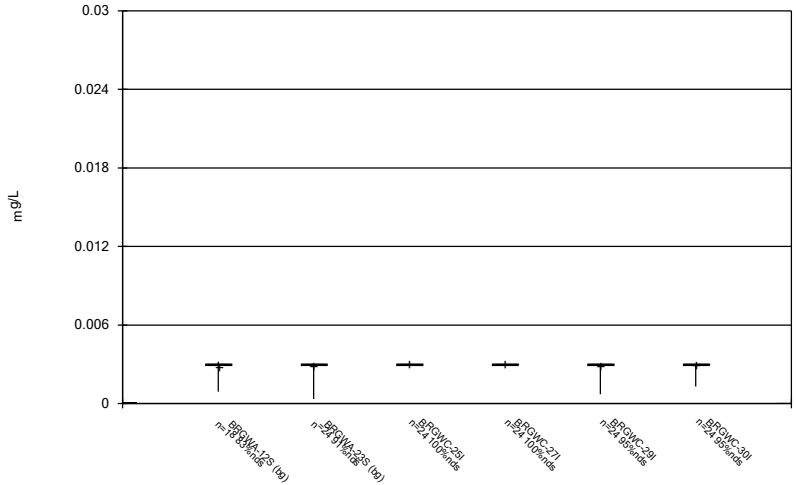


Constituent: Antimony Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

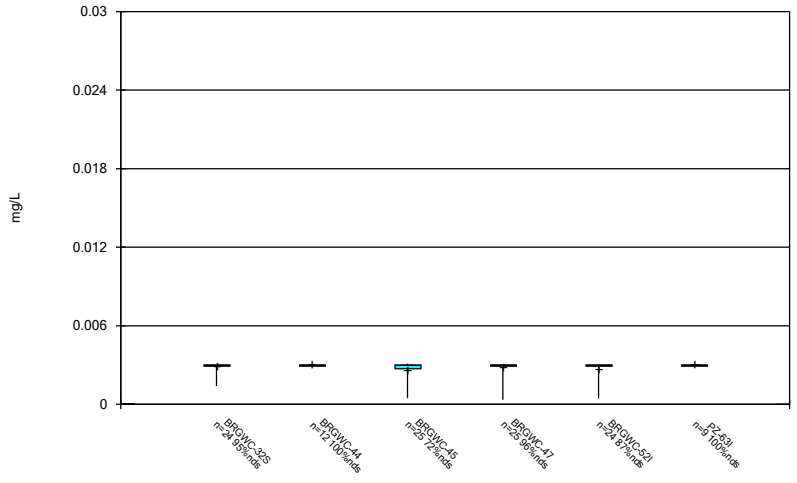


Constituent: Antimony Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

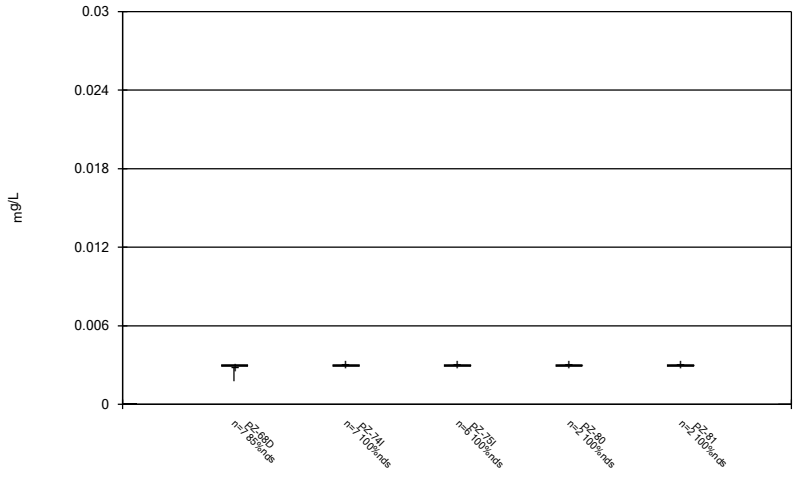


Constituent: Antimony Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

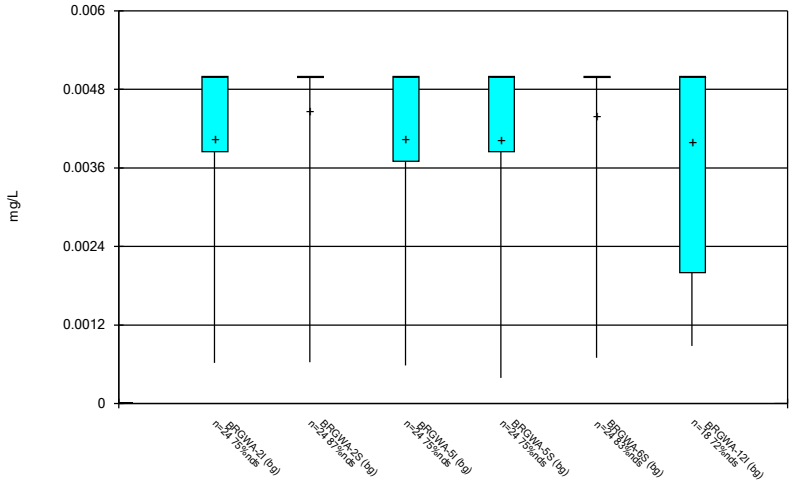


Constituent: Antimony Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

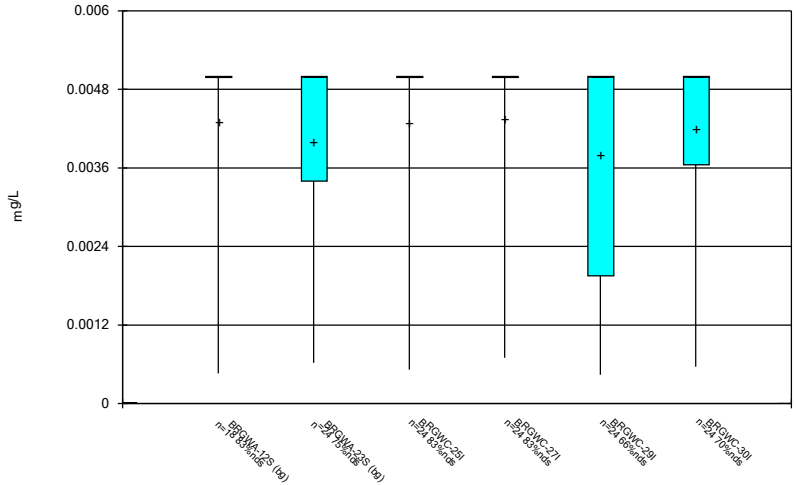


Constituent: Arsenic Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

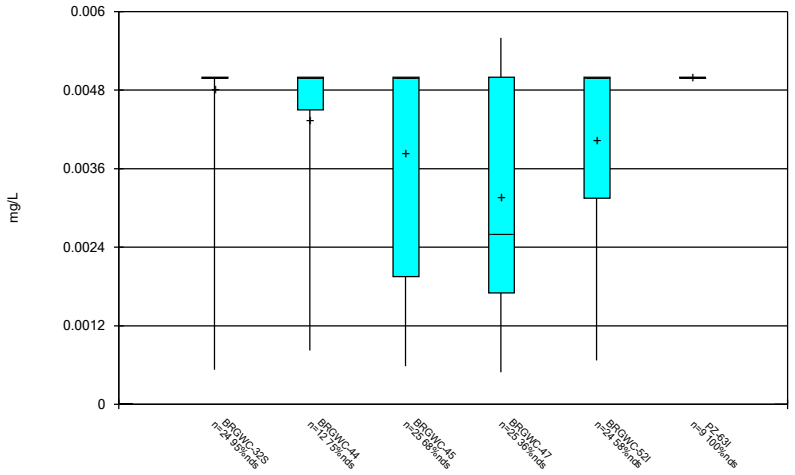


Constituent: Arsenic Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

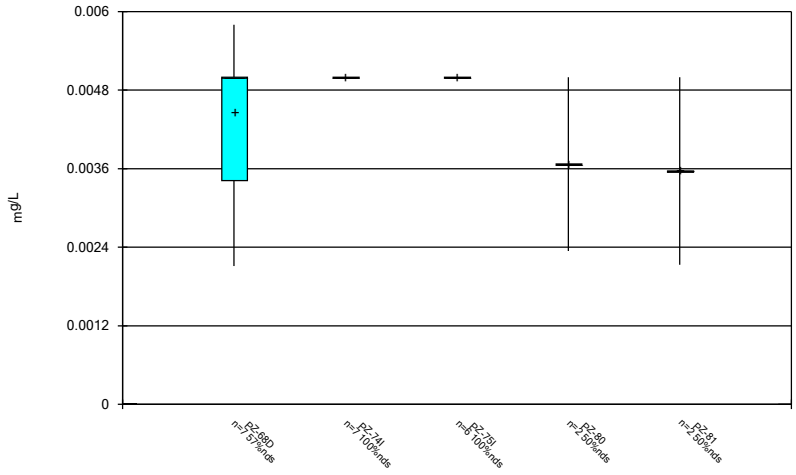


Constituent: Arsenic Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

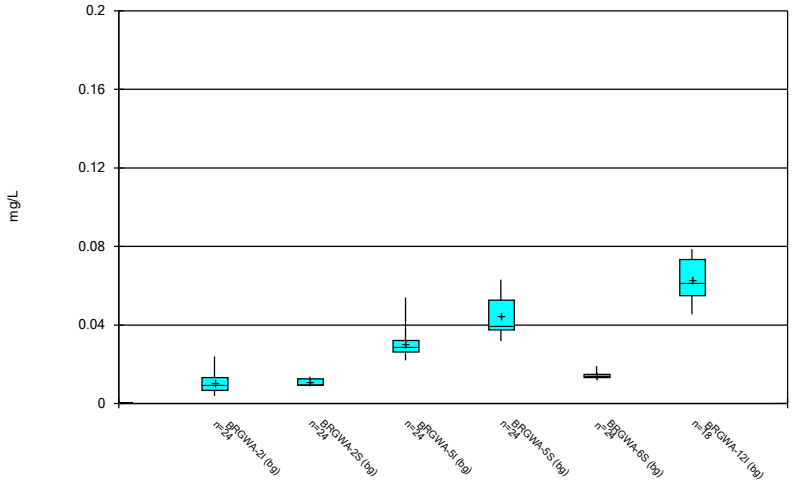


Constituent: Arsenic Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

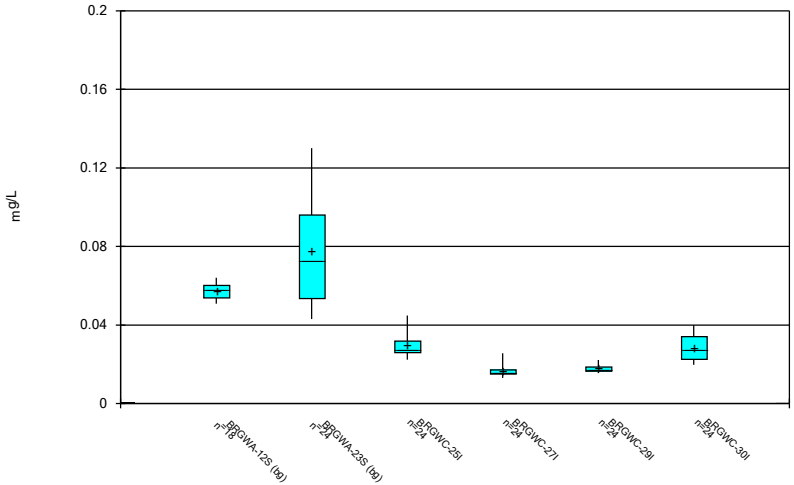


Constituent: Barium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

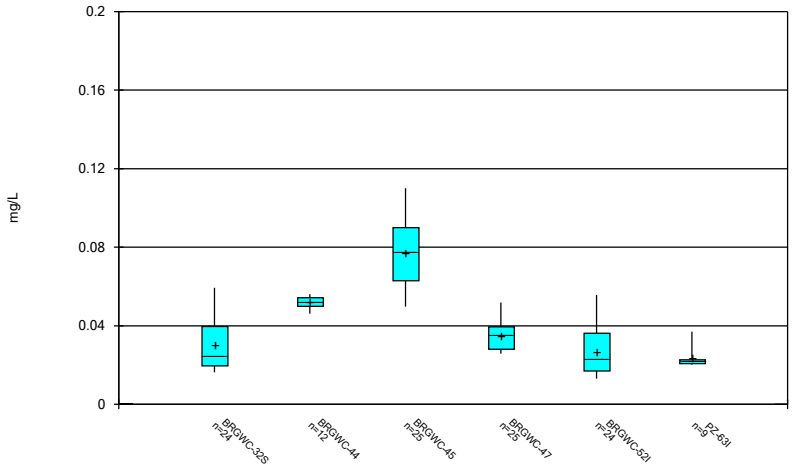


Constituent: Barium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

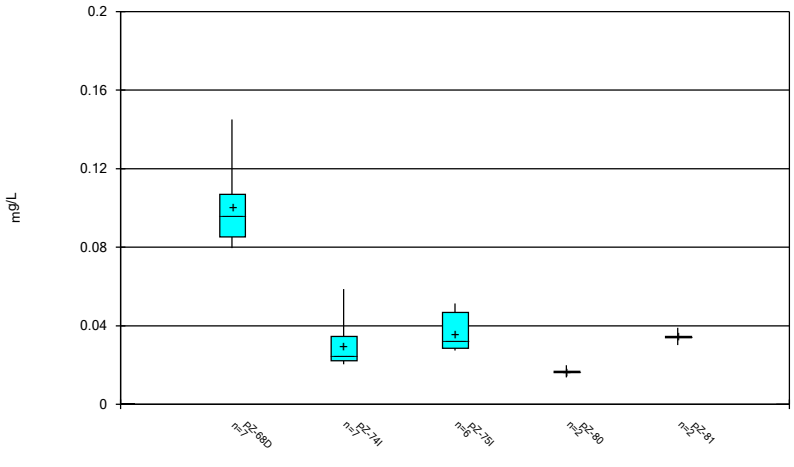


Constituent: Barium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

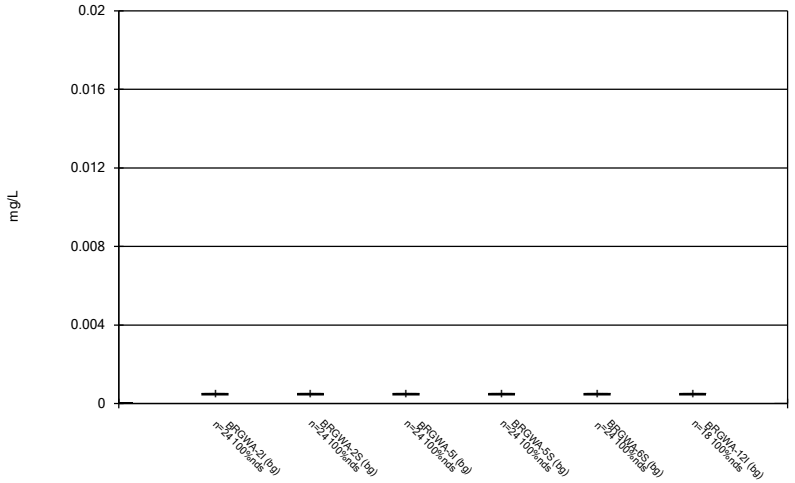


Constituent: Barium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

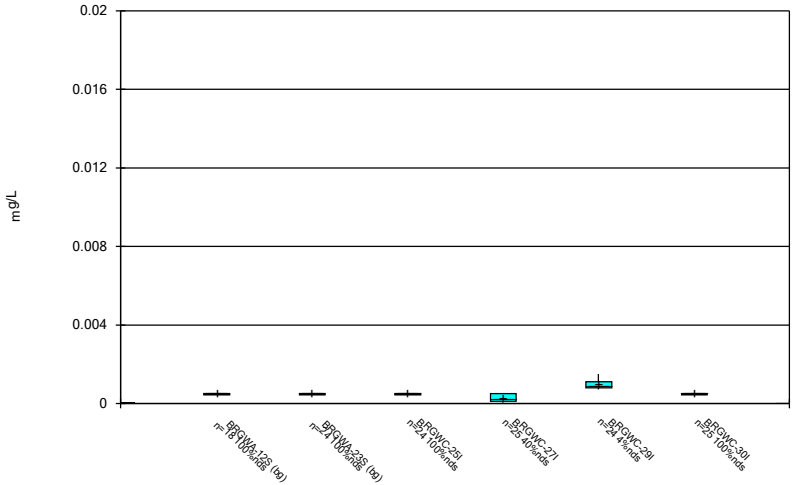


Constituent: Beryllium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

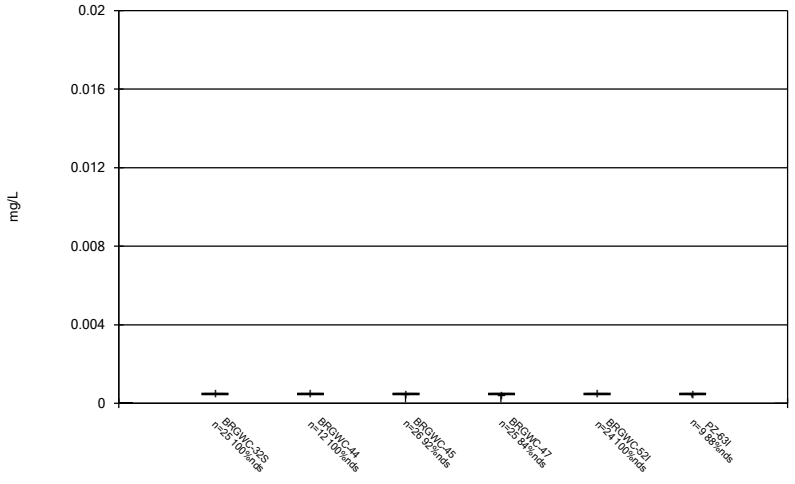


Constituent: Beryllium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

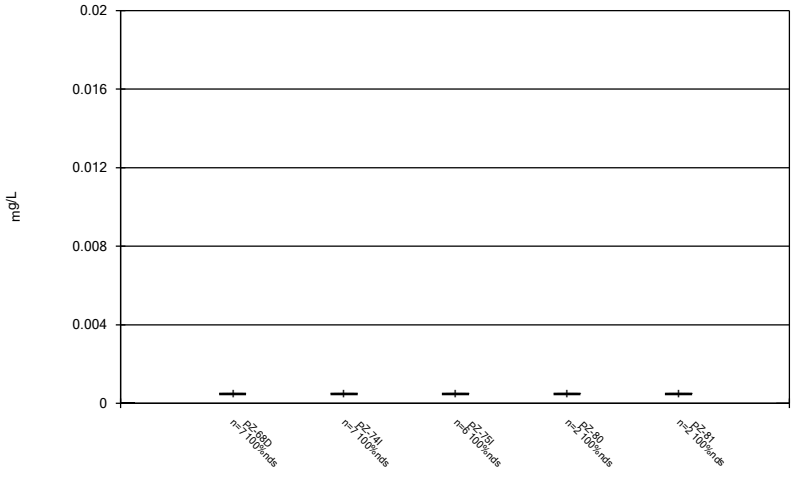


Constituent: Beryllium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

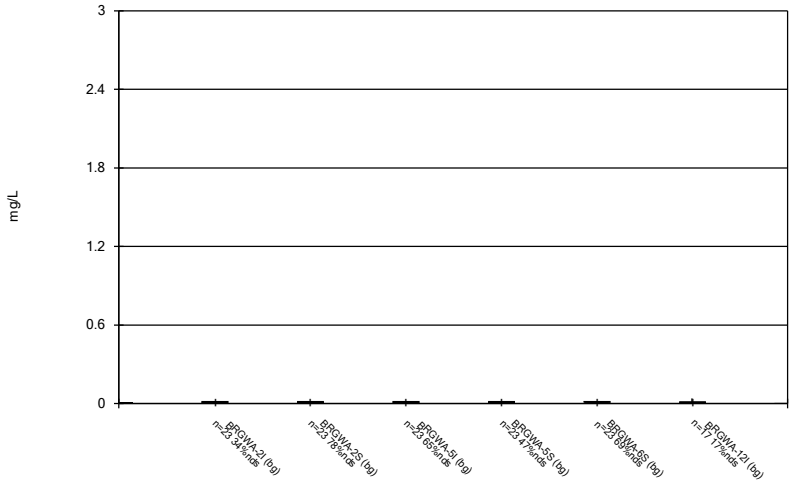


Constituent: Beryllium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

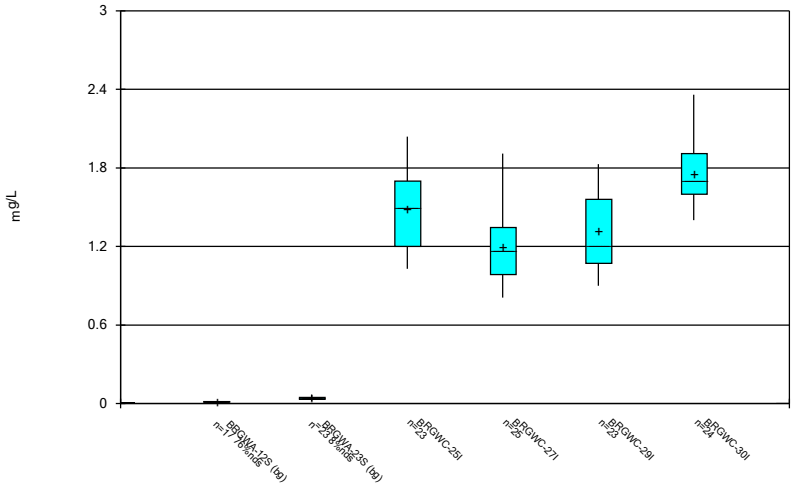


Constituent: Boron Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

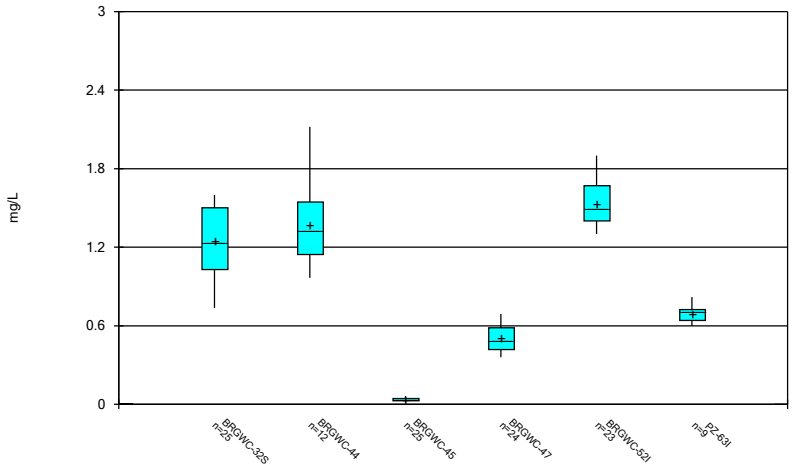


Constituent: Boron Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

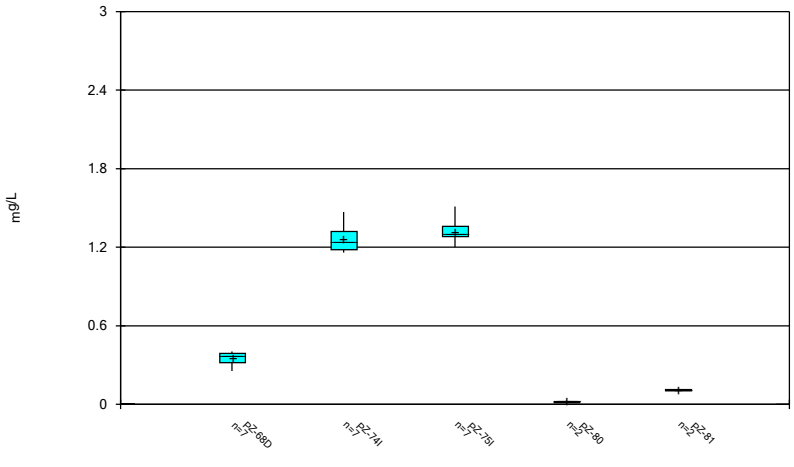


Constituent: Boron Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

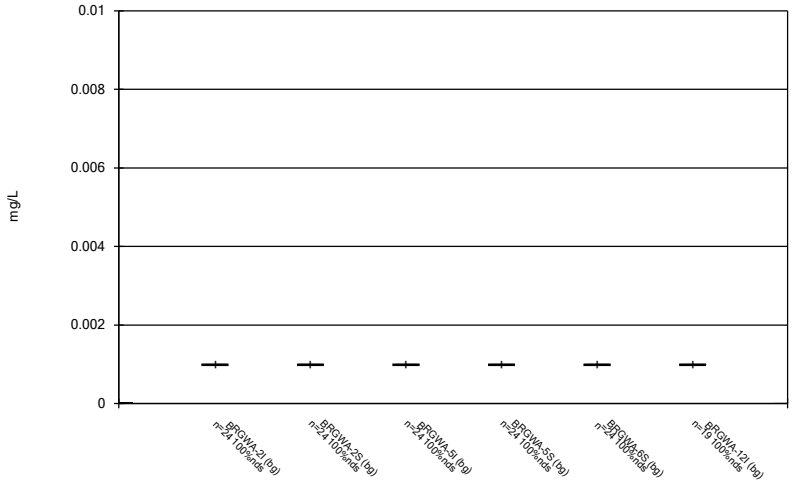


Constituent: Boron Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

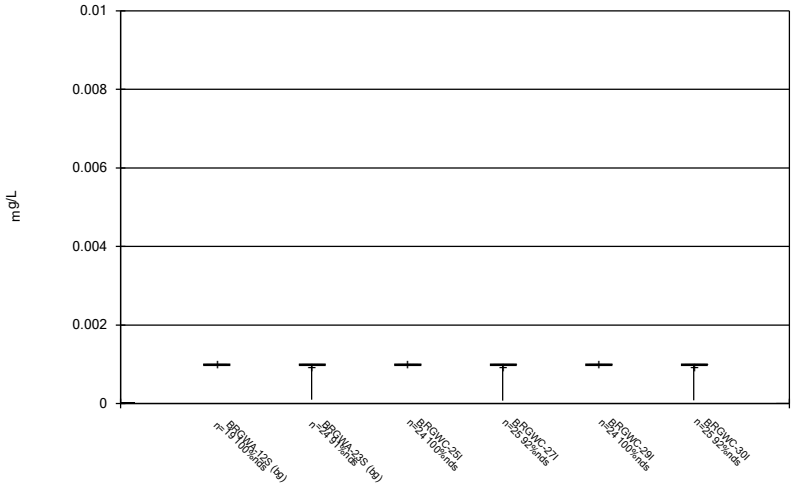


Constituent: Cadmium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

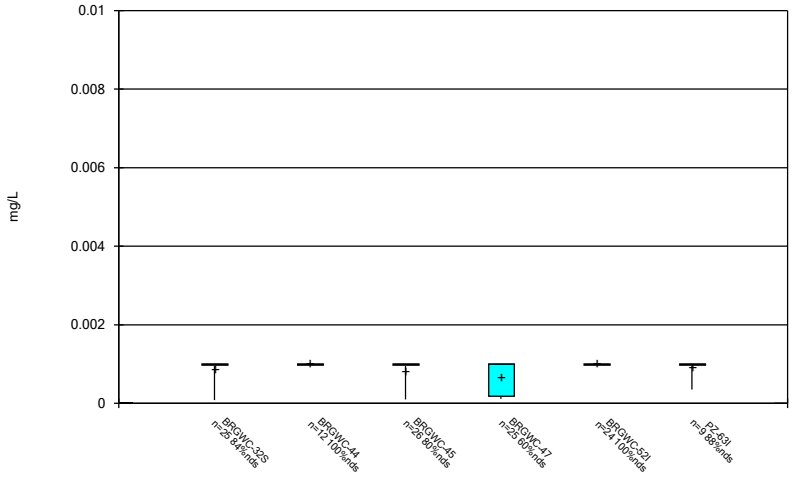


Constituent: Cadmium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

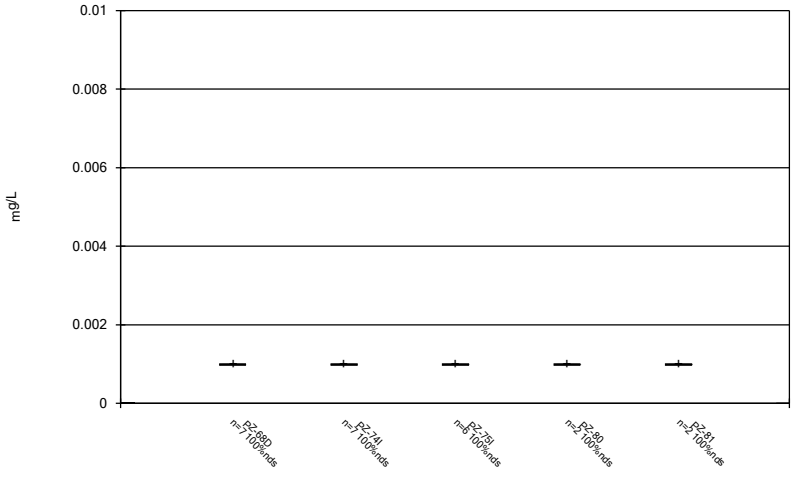


Constituent: Cadmium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

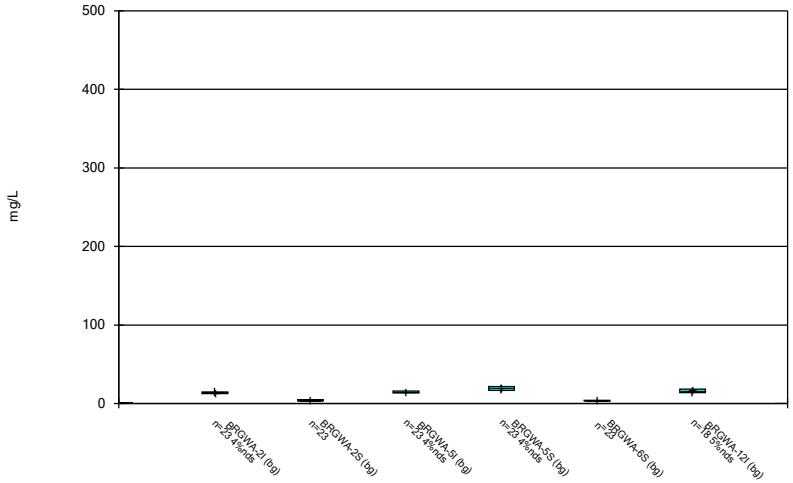


Constituent: Cadmium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

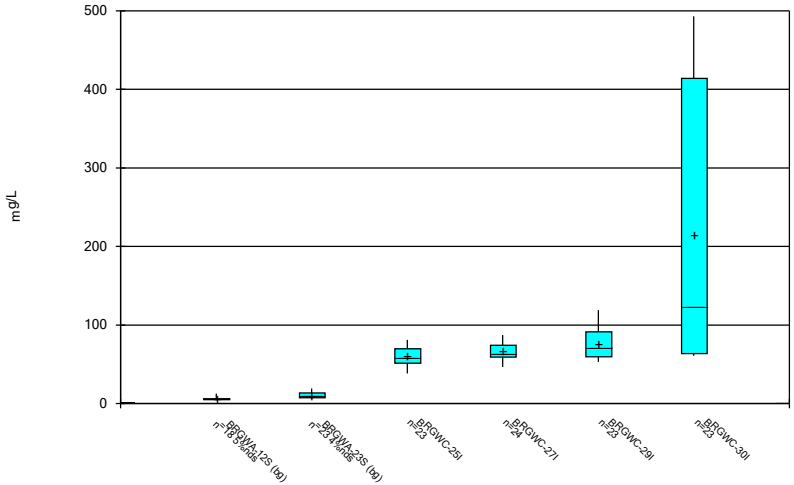


Constituent: Calcium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

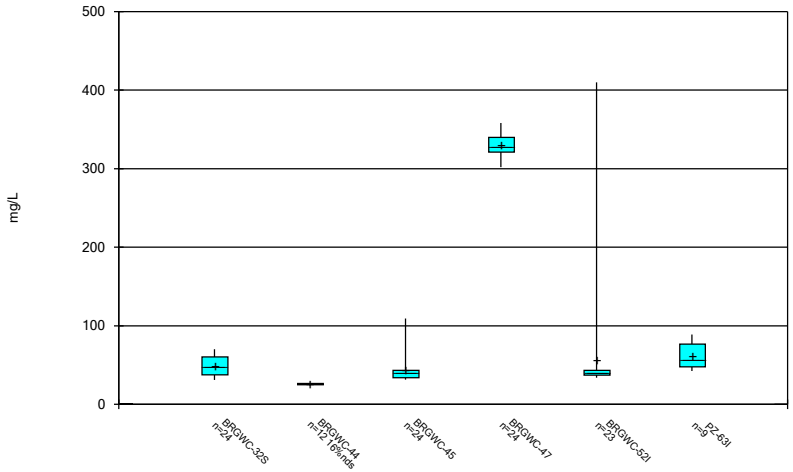


Constituent: Calcium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

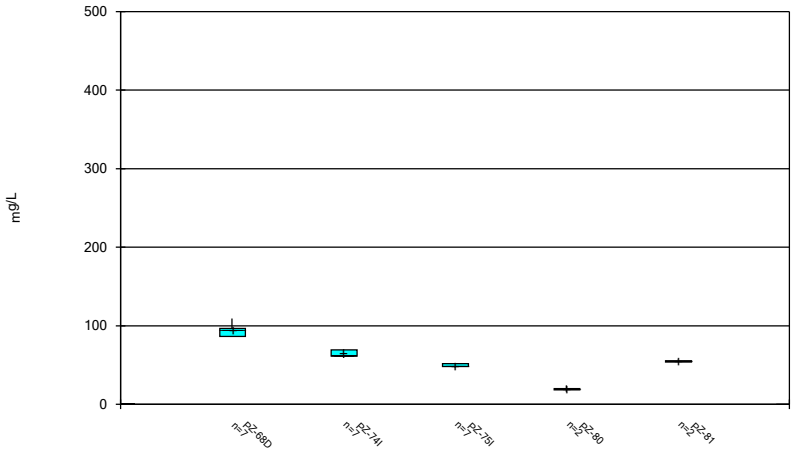


Constituent: Calcium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

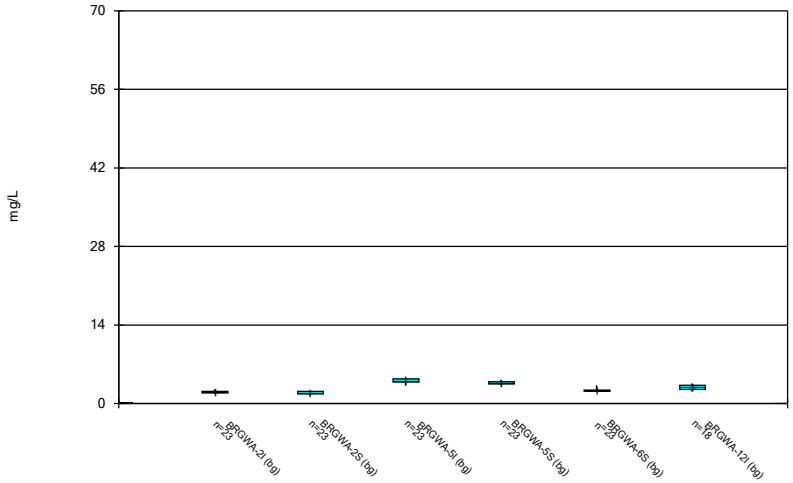


Constituent: Calcium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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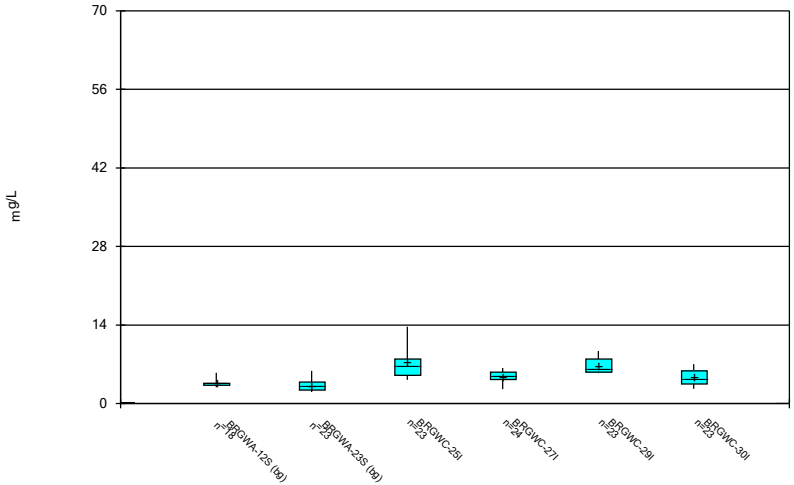
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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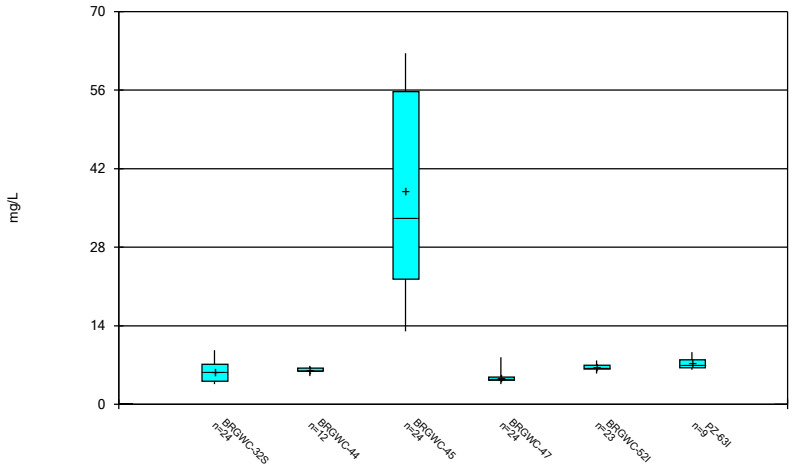
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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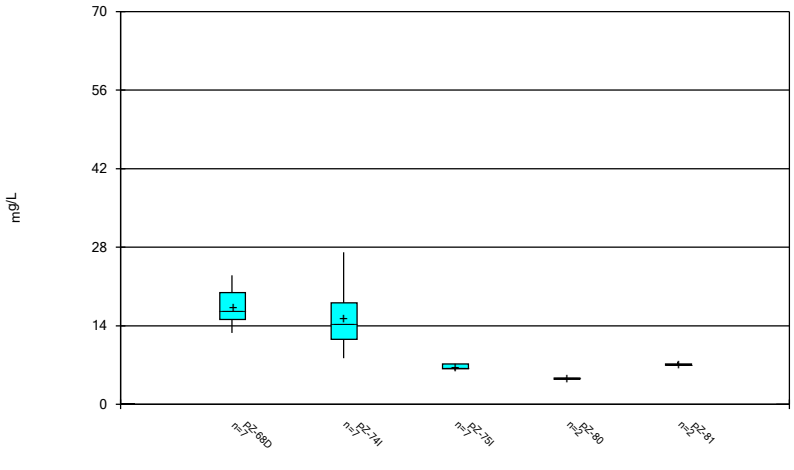
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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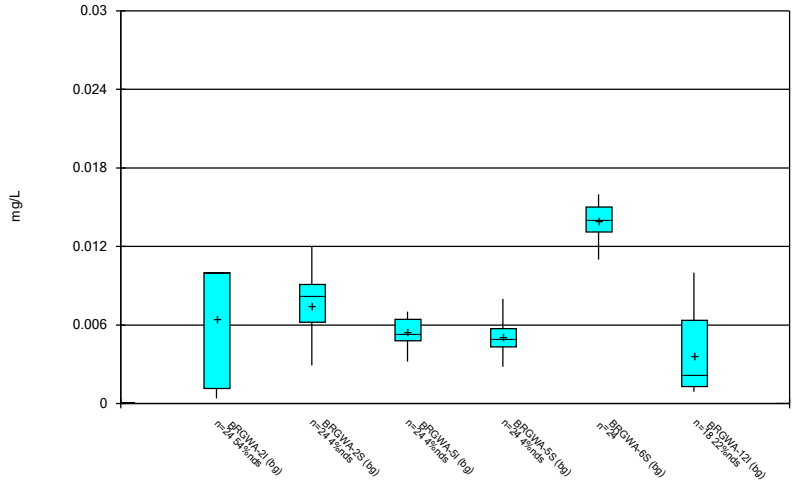
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

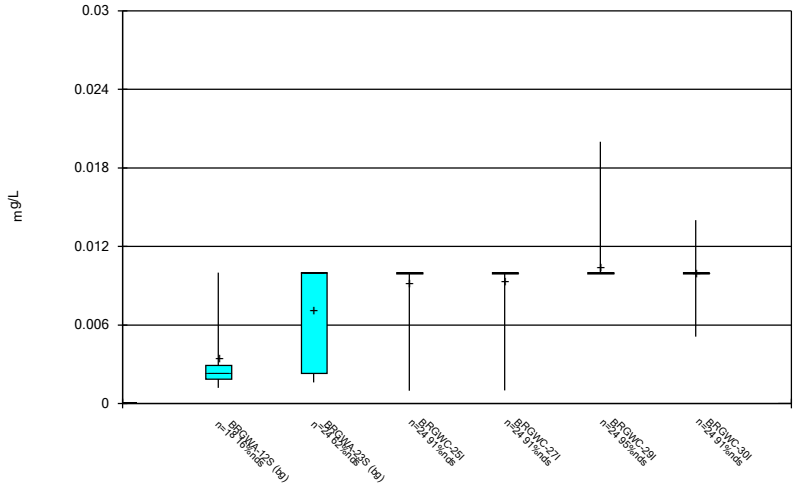


Constituent: Chromium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

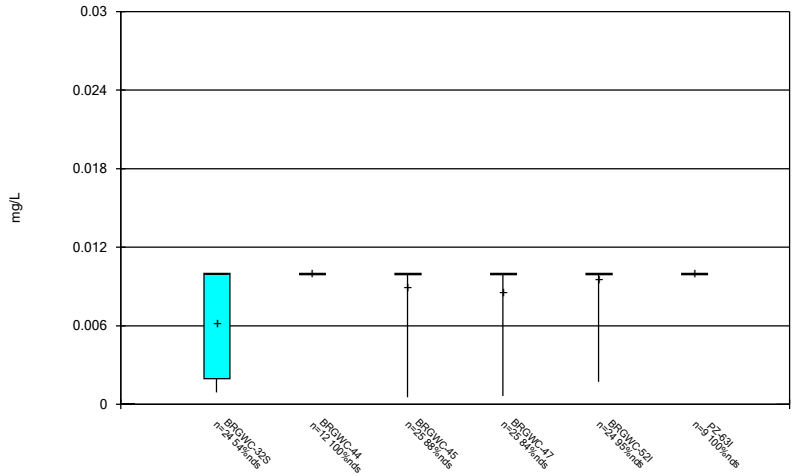


Constituent: Chromium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

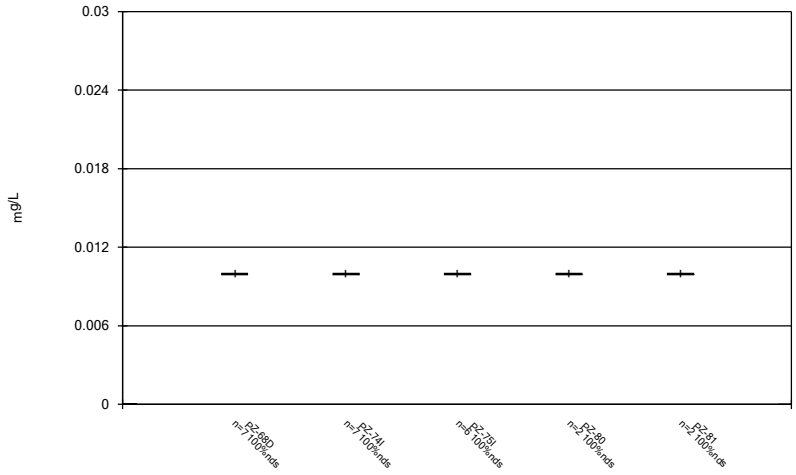


Constituent: Chromium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

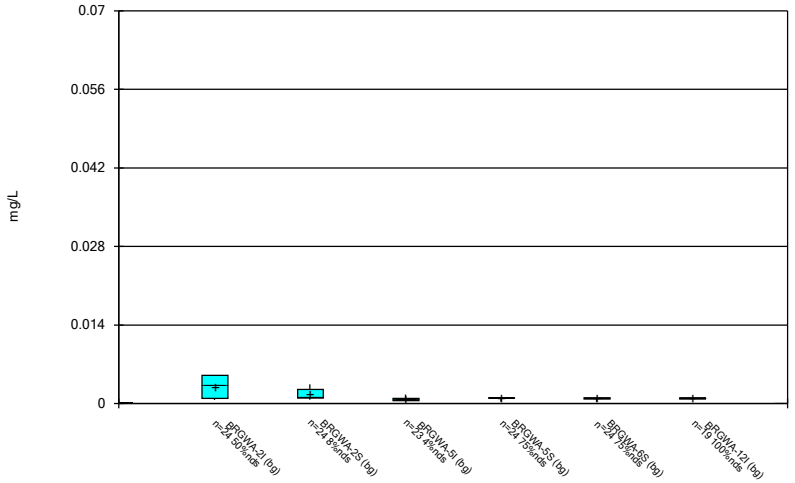


Constituent: Chromium Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

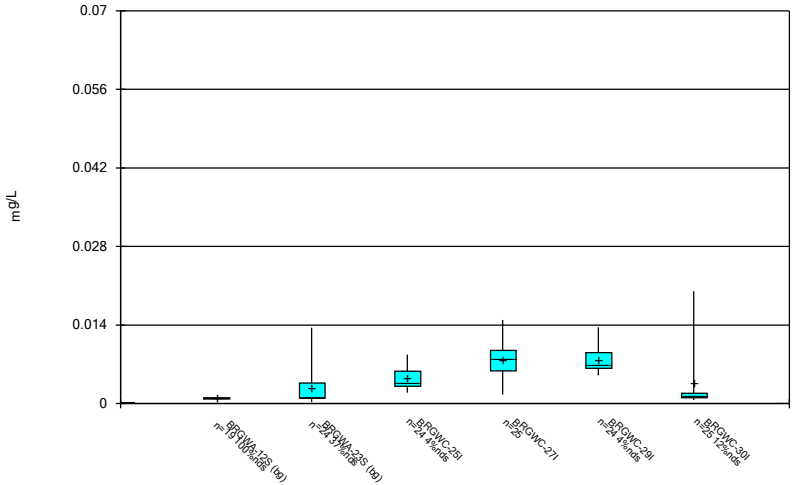


Constituent: Cobalt Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

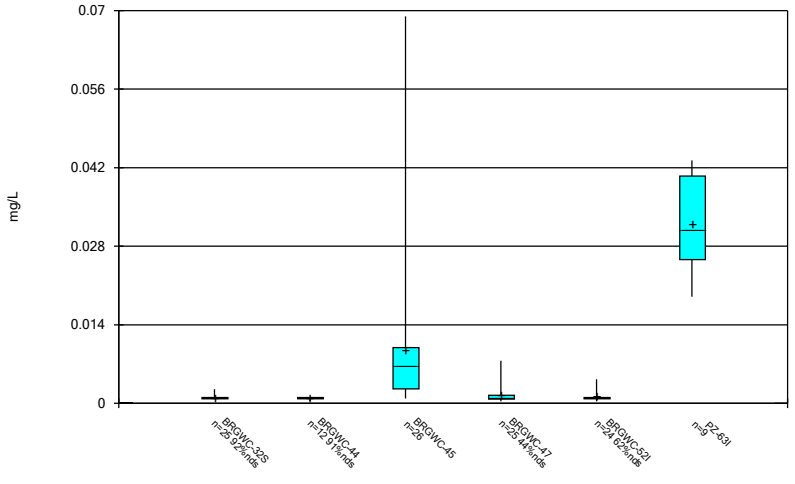


Constituent: Cobalt Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

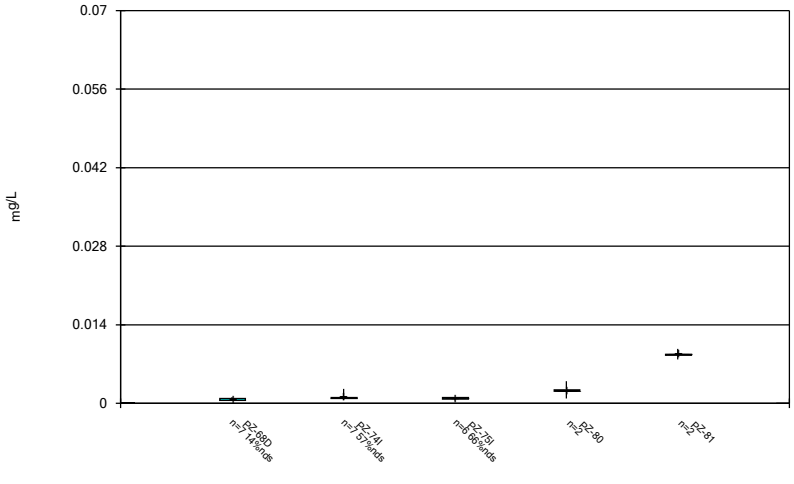


Constituent: Cobalt Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

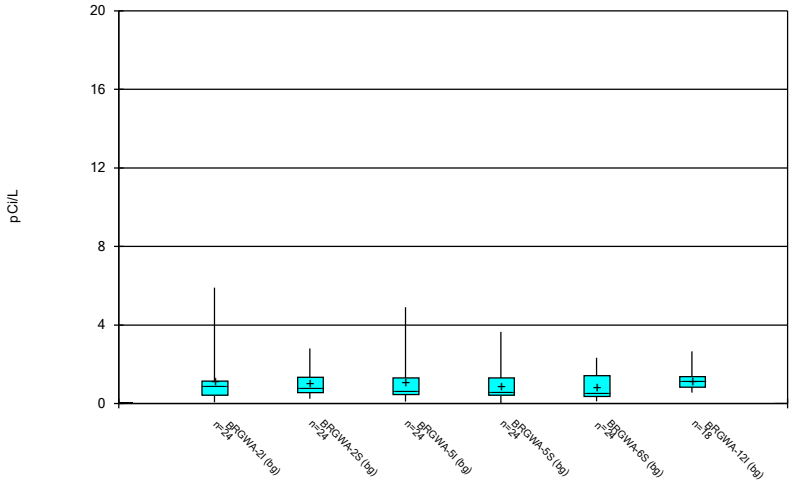


Constituent: Cobalt Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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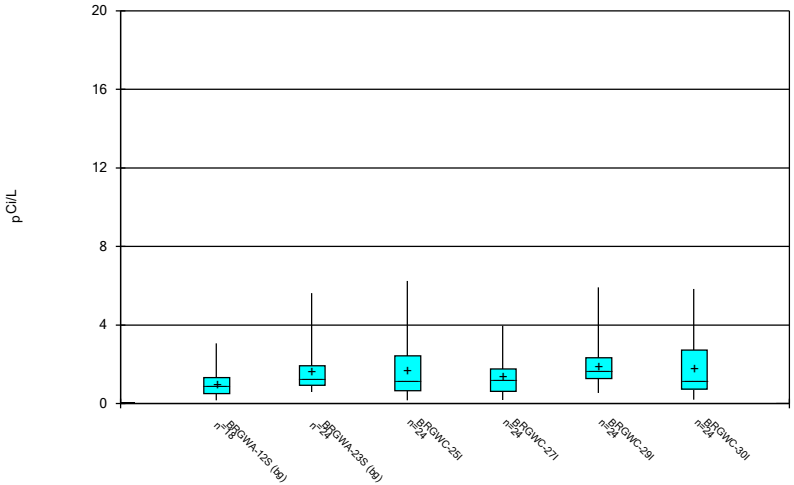
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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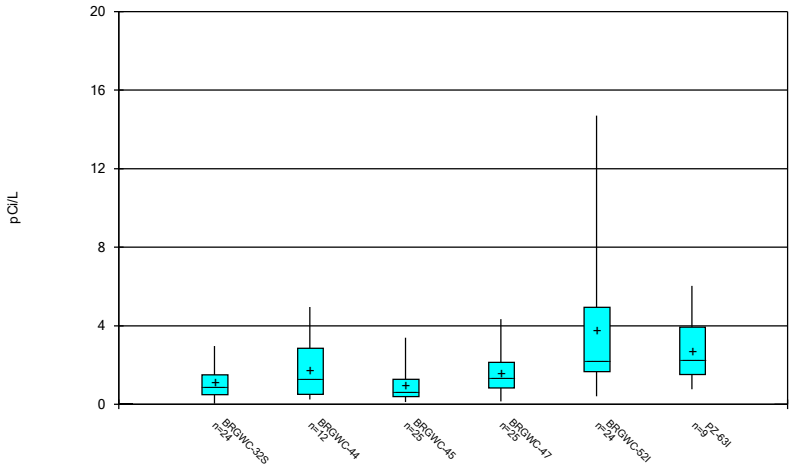
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

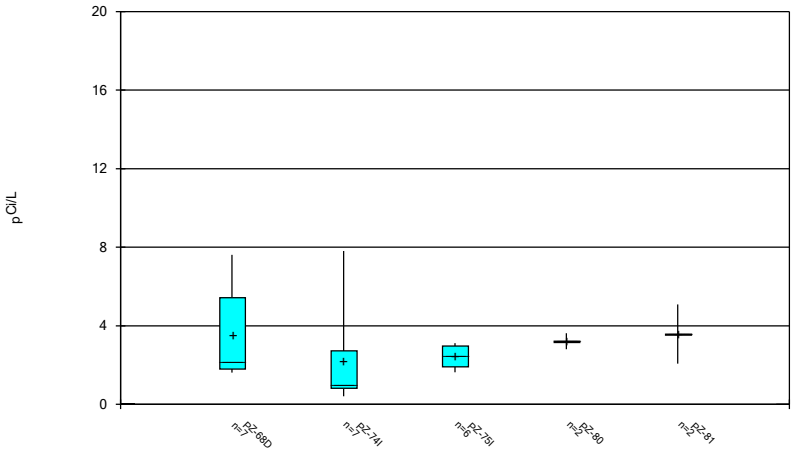
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

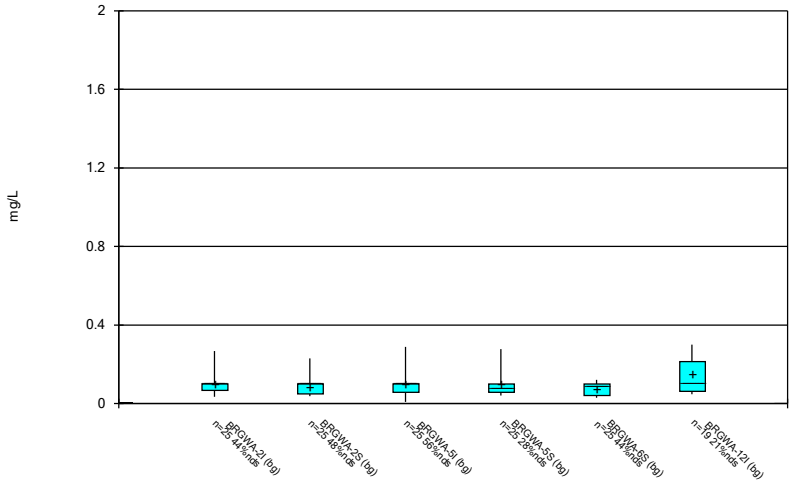
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/29/2026 11:00 AM
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

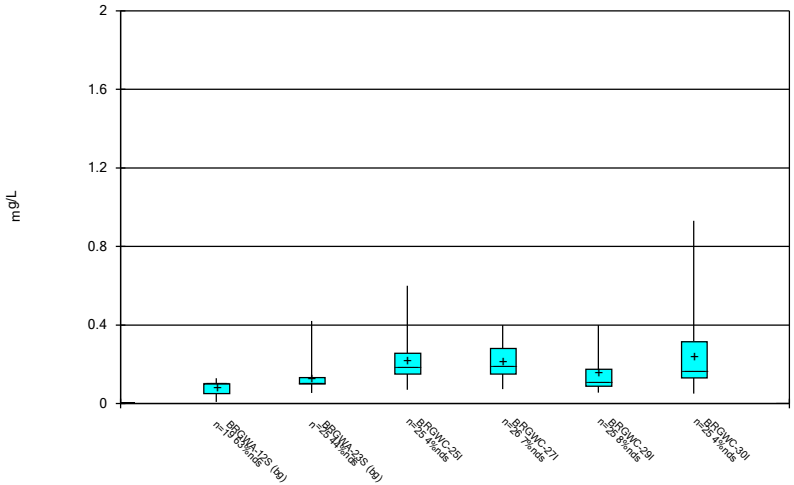


Constituent: Fluoride Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

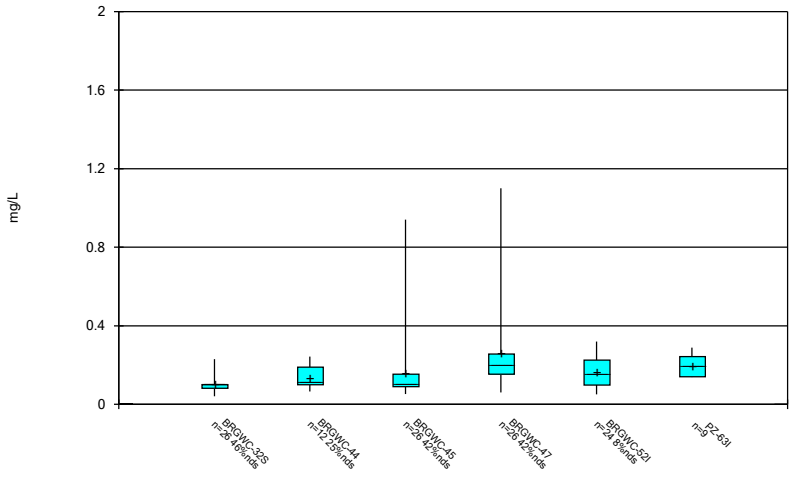


Constituent: Fluoride Analysis Run 5/29/2026 11:00 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

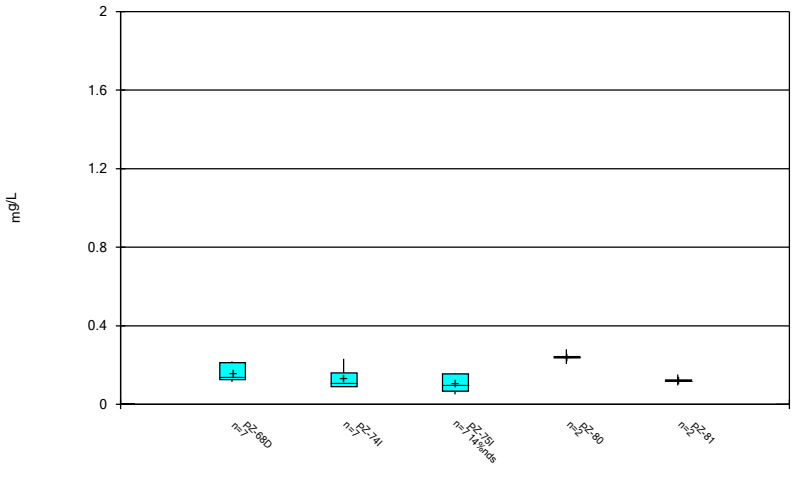


Constituent: Fluoride Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

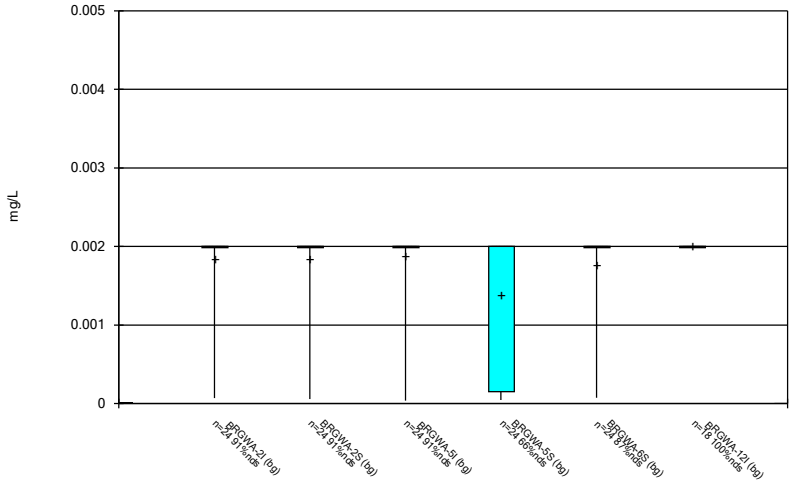


Constituent: Fluoride Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

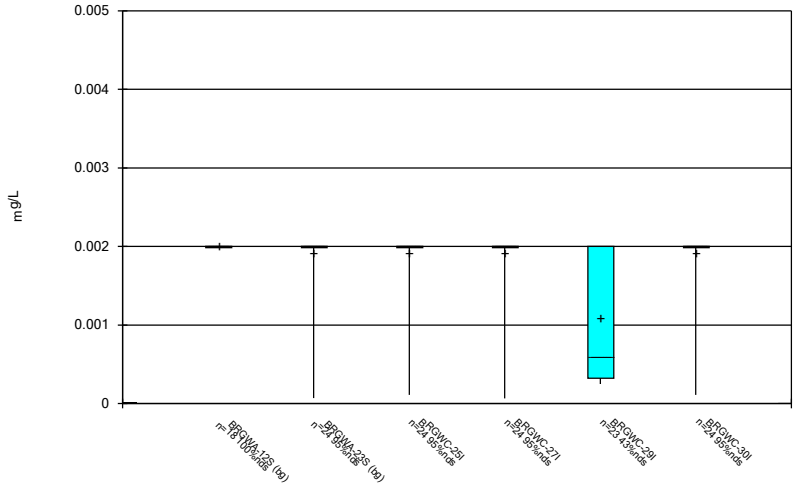


Constituent: Lead Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

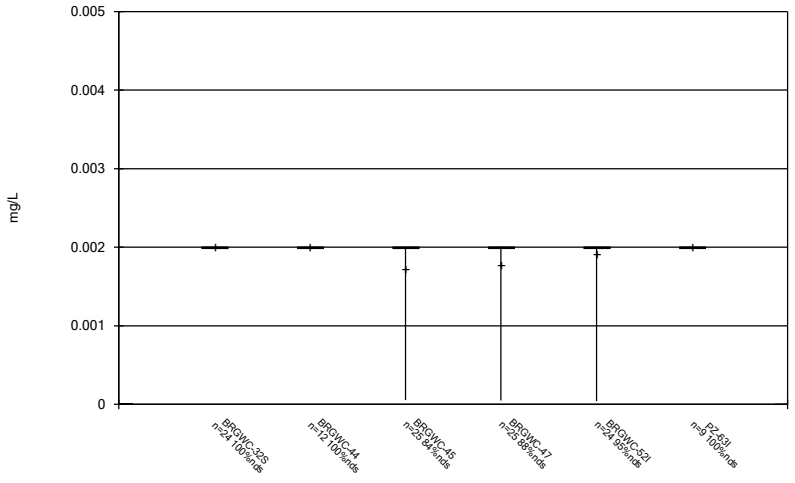


Constituent: Lead Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

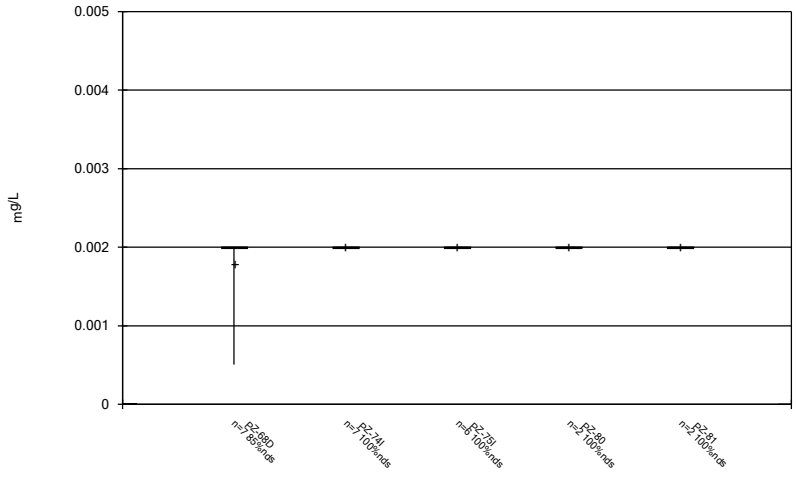


Constituent: Lead Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

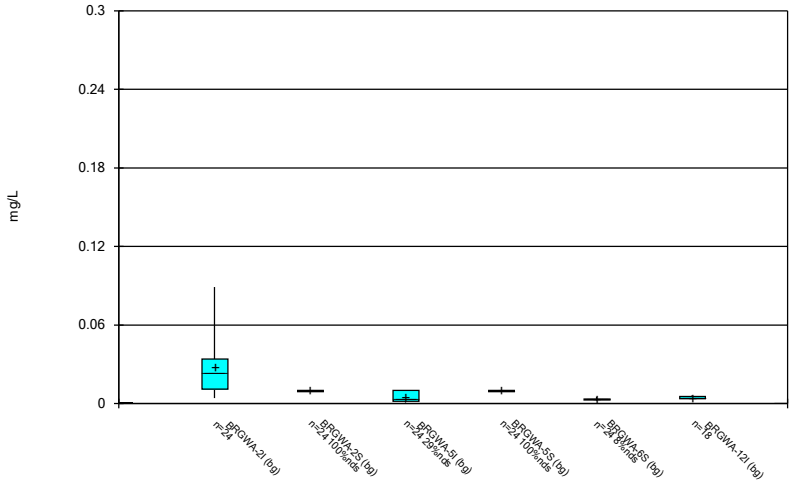


Constituent: Lead Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

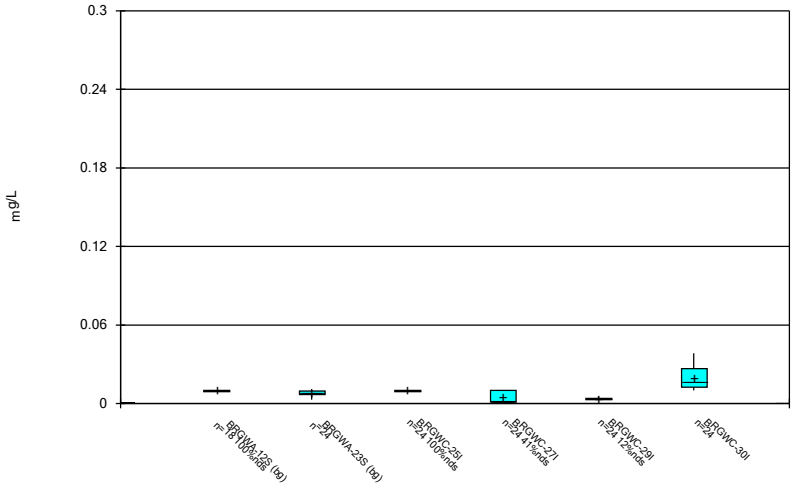


Constituent: Lithium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

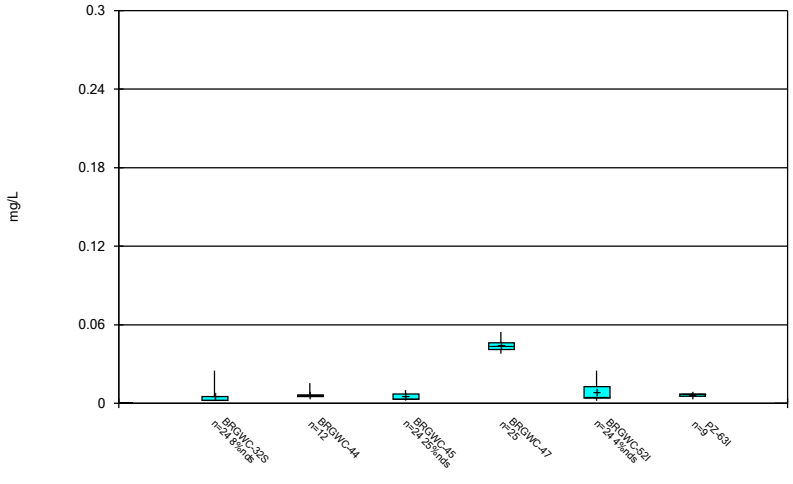


Constituent: Lithium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

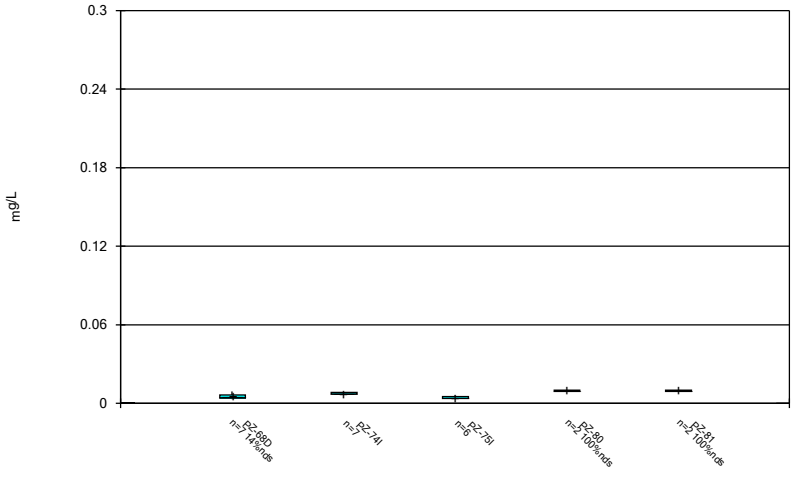


Constituent: Lithium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

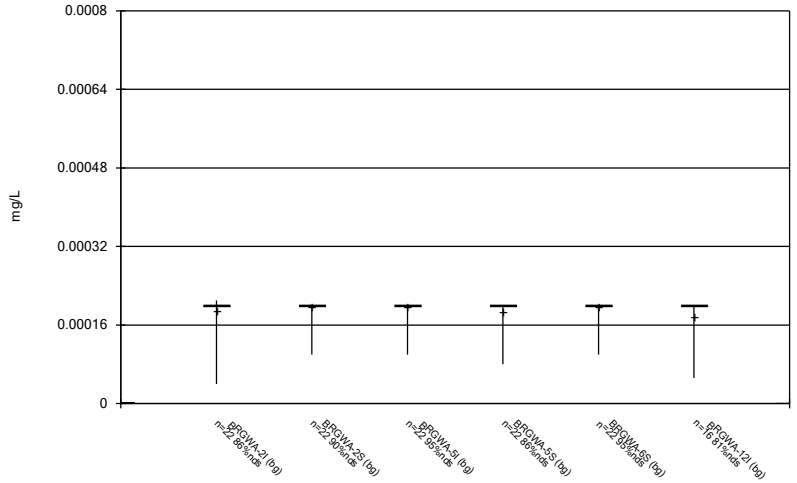


Constituent: Lithium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

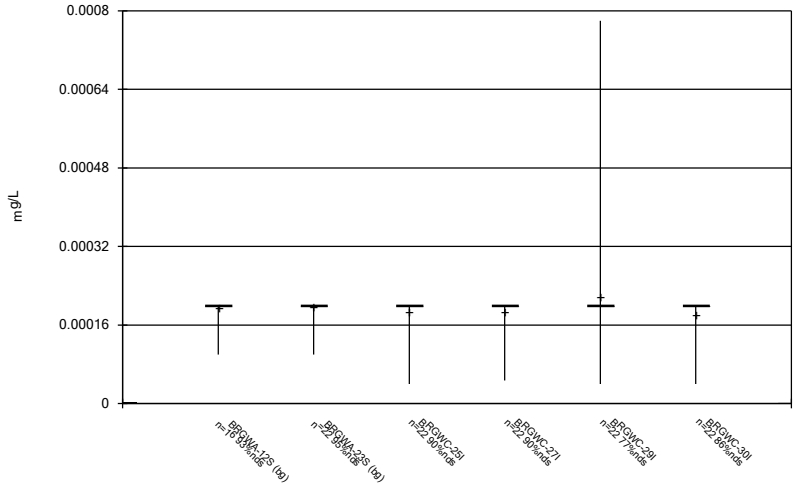


Constituent: Mercury Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

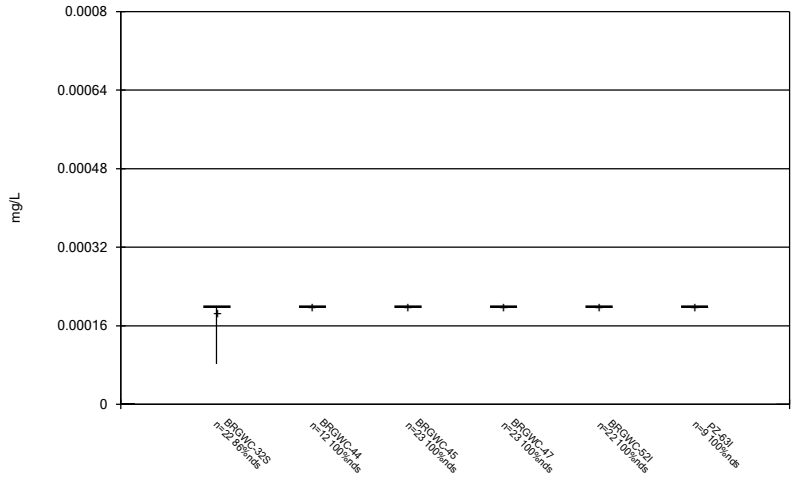


Constituent: Mercury Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

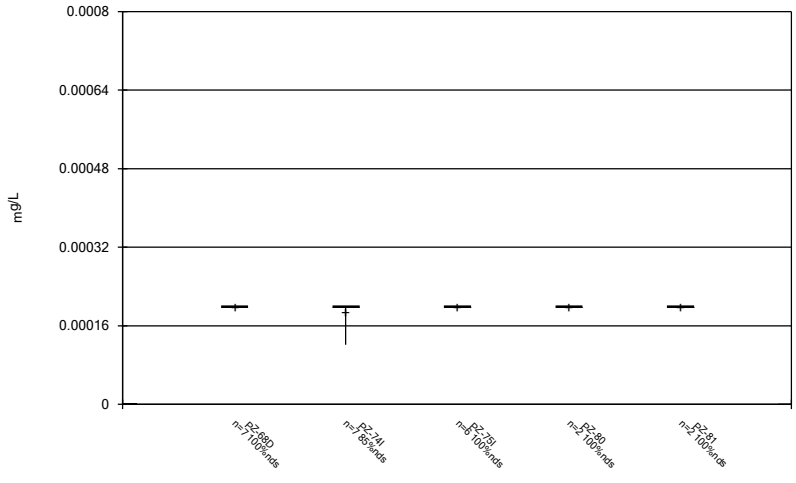


Constituent: Mercury Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

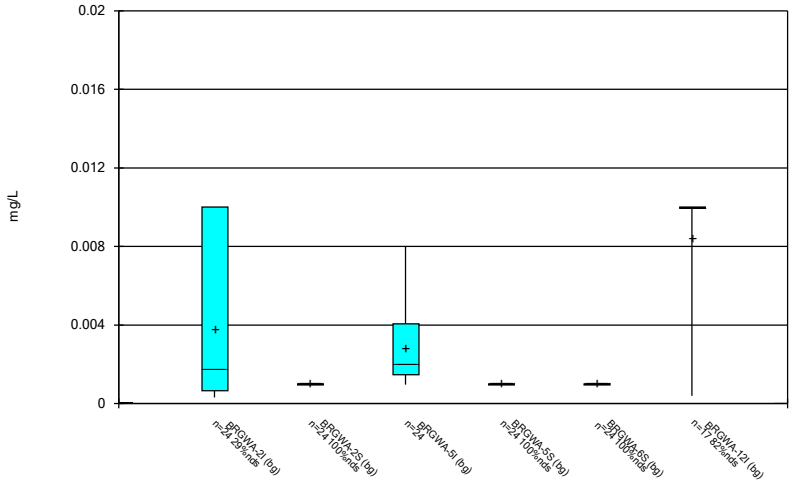


Constituent: Mercury Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

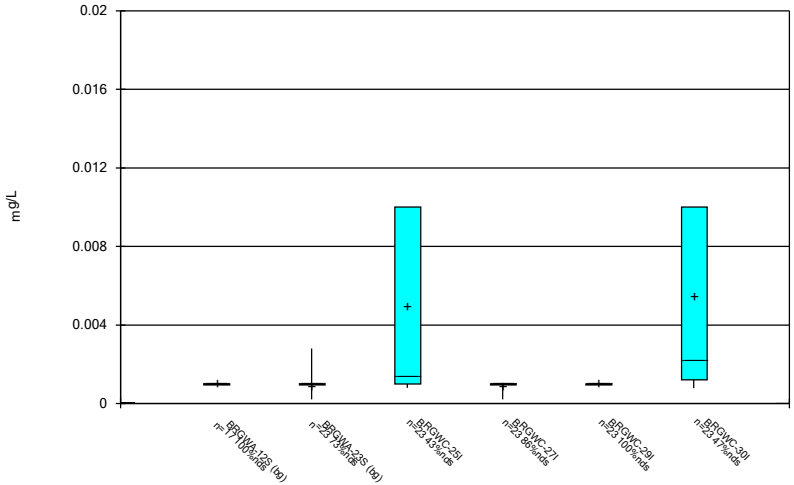


Constituent: Molybdenum Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

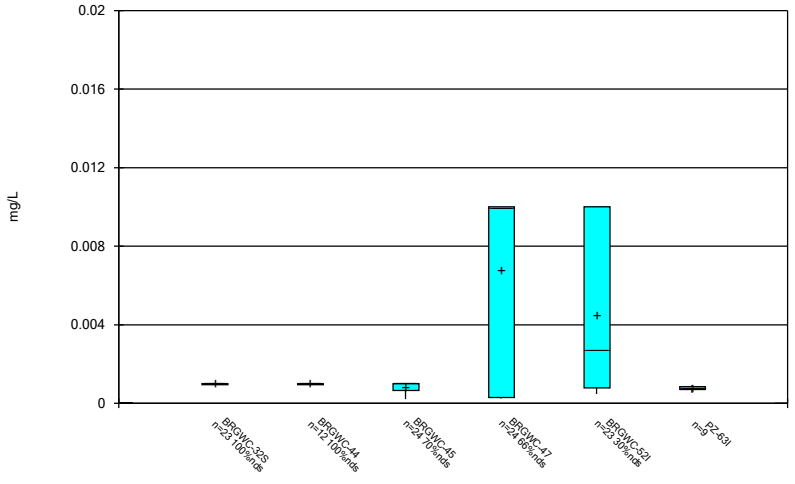


Constituent: Molybdenum Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

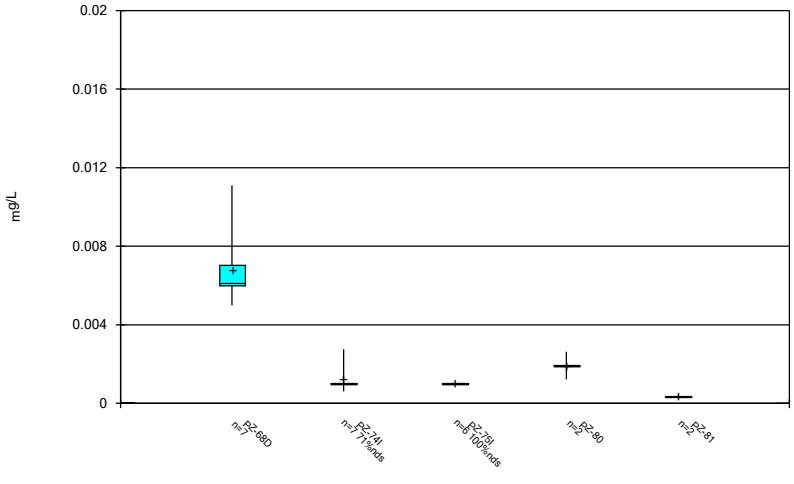


Constituent: Molybdenum Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

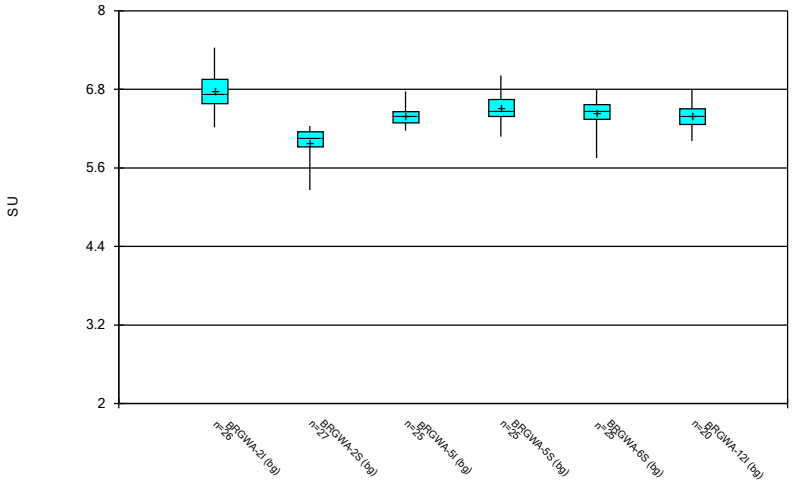


Constituent: Molybdenum Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

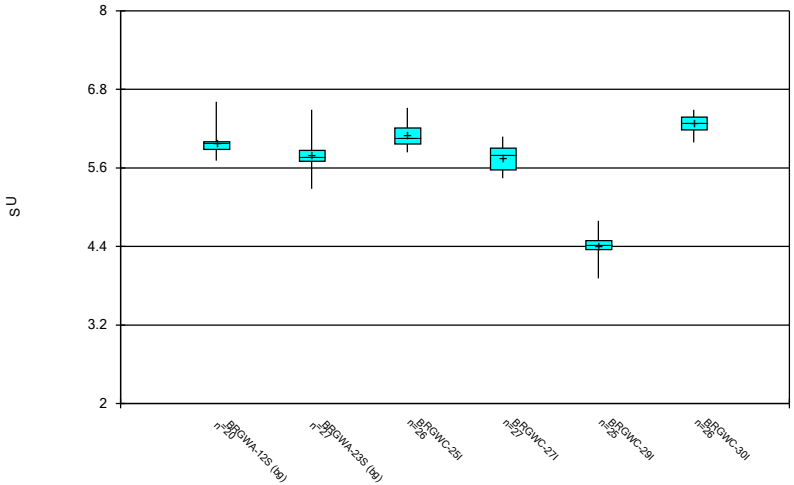


Constituent: pH, Field Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

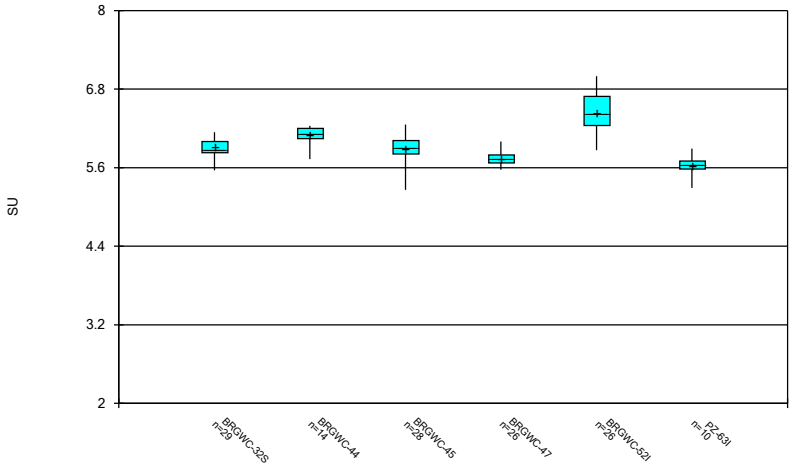


Constituent: pH, Field Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

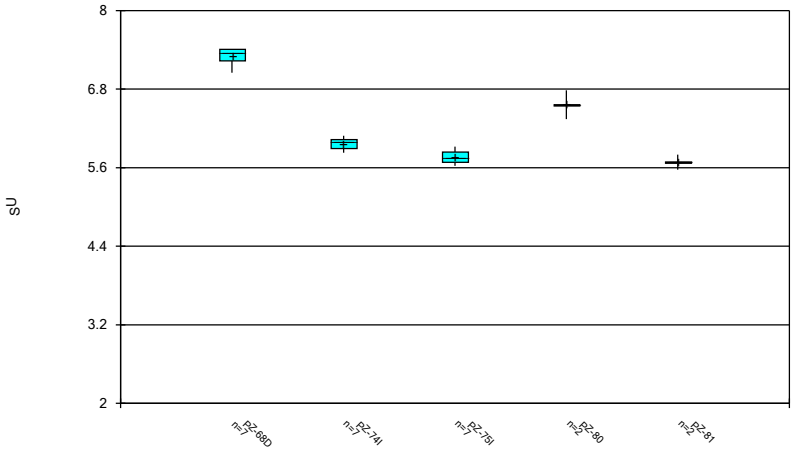


Constituent: pH, Field Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

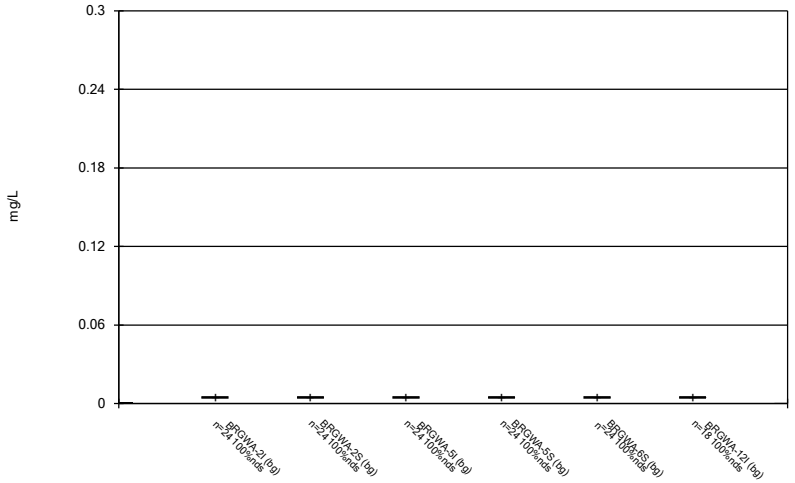


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

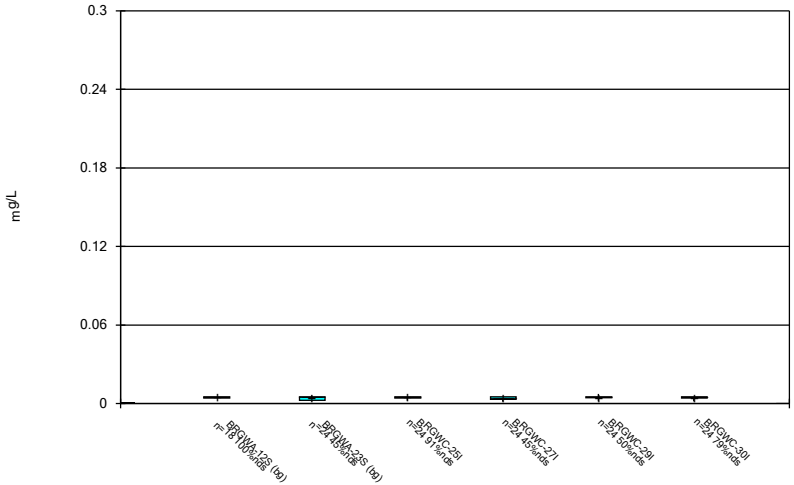


Constituent: Selenium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

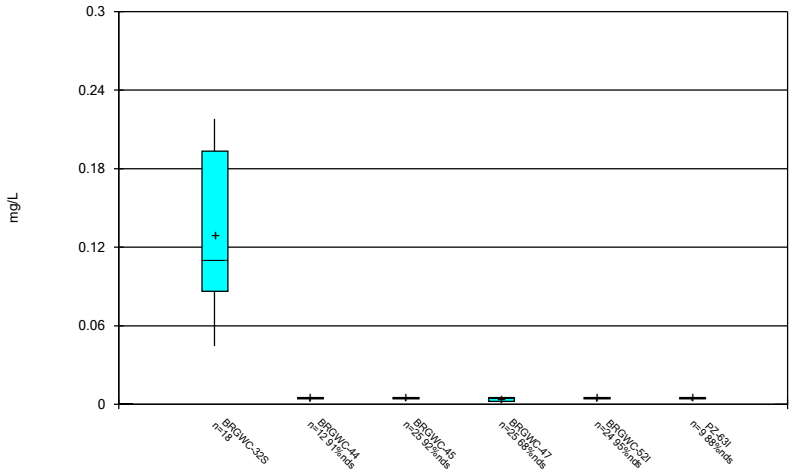


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

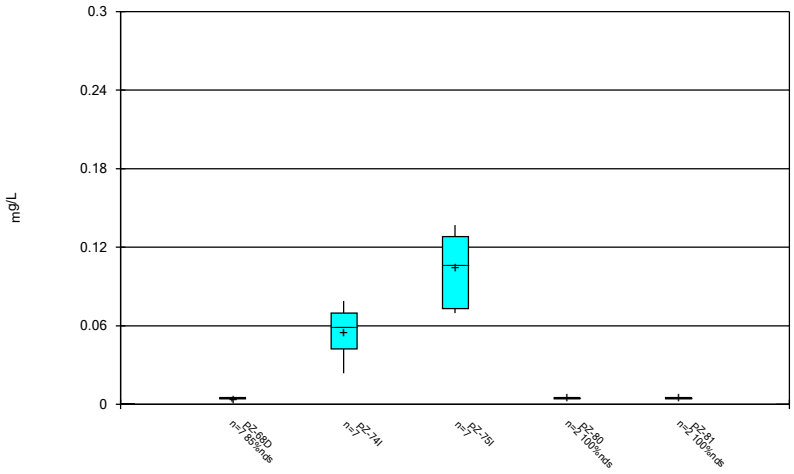


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

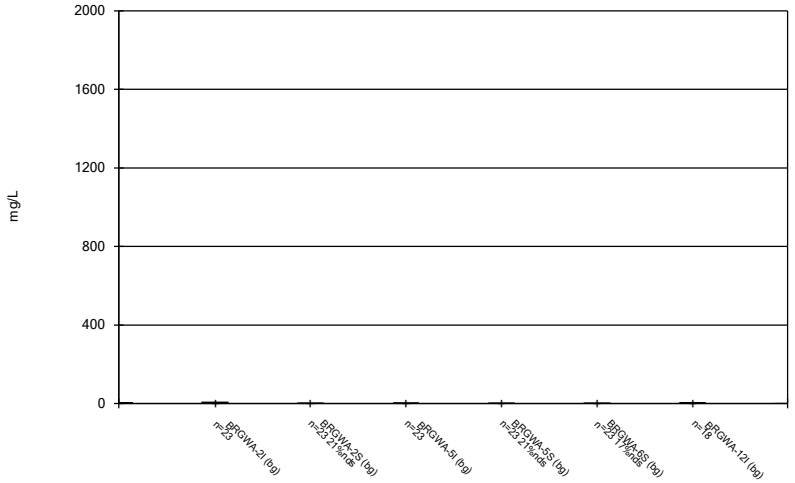


Constituent: Selenium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

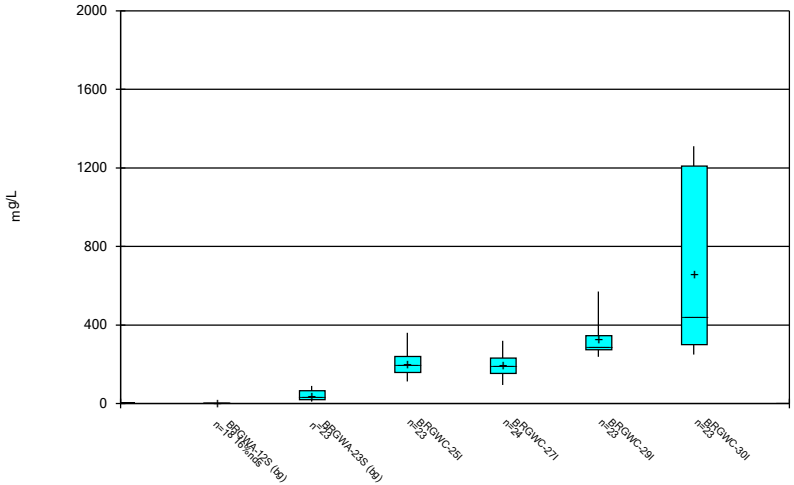


Constituent: Sulfate Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

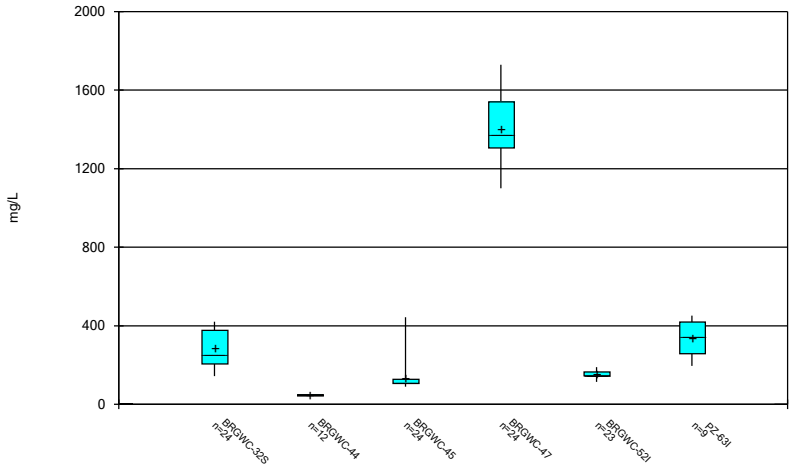


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

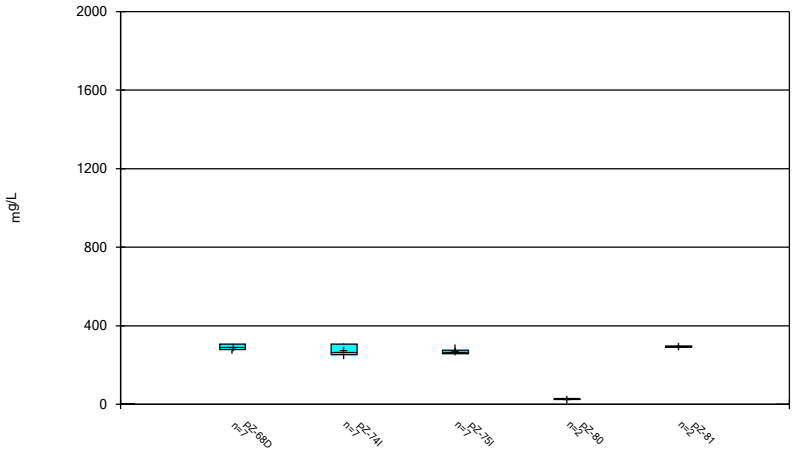


Constituent: Sulfate Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

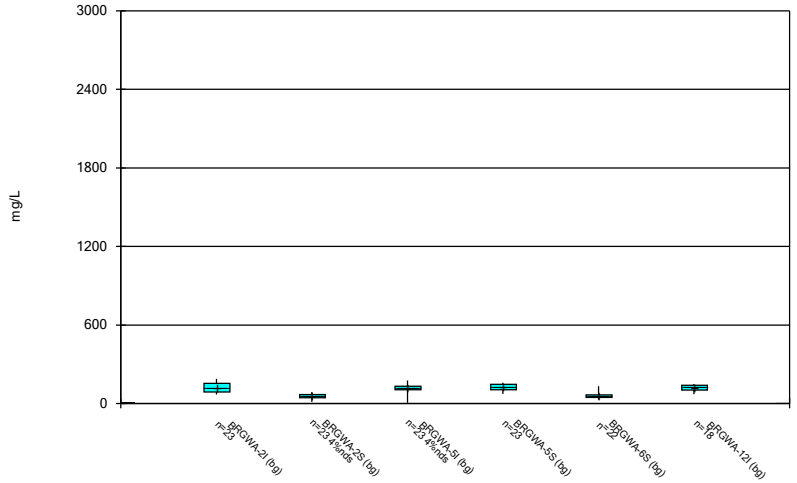


Constituent: Sulfate Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

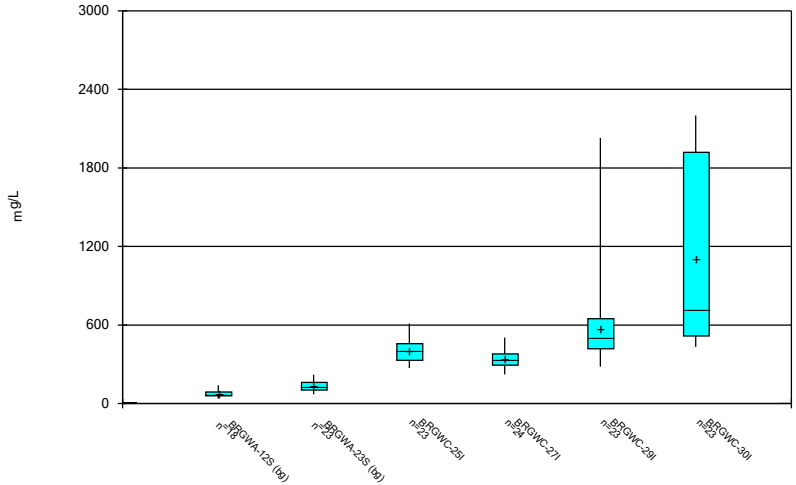


Constituent: TDS Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

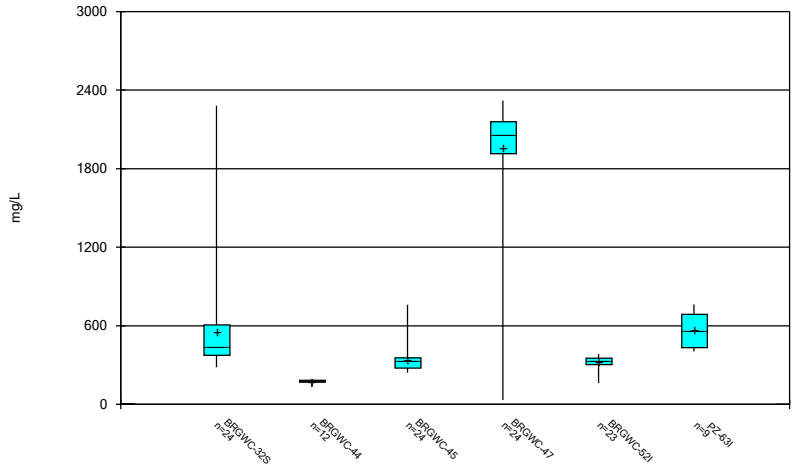


Constituent: TDS Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

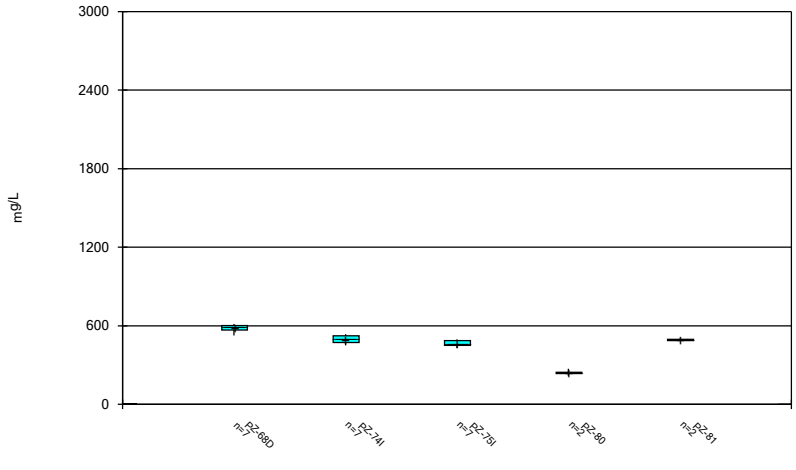


Constituent: TDS Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

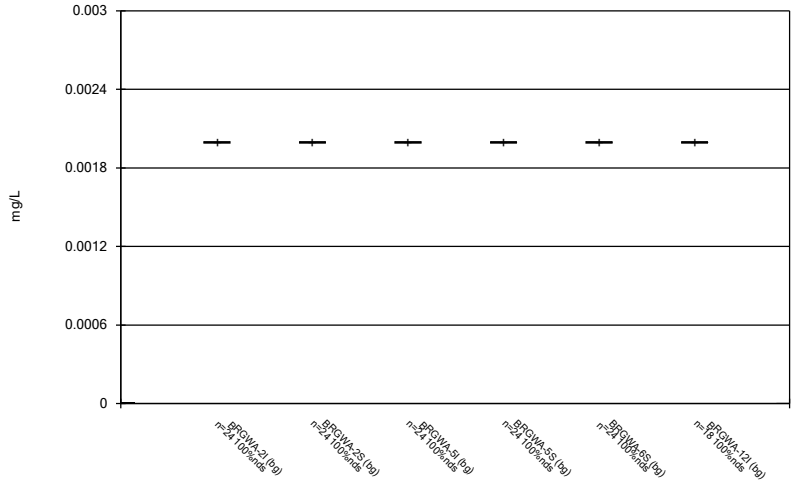


Constituent: TDS Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

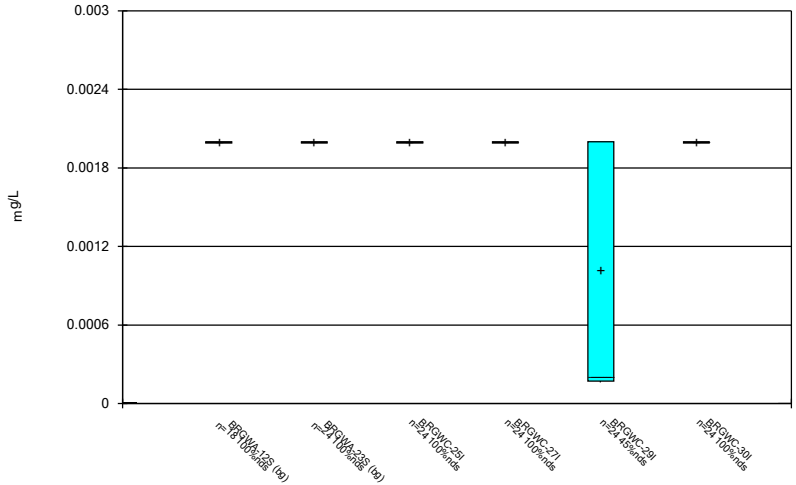


Constituent: Thallium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

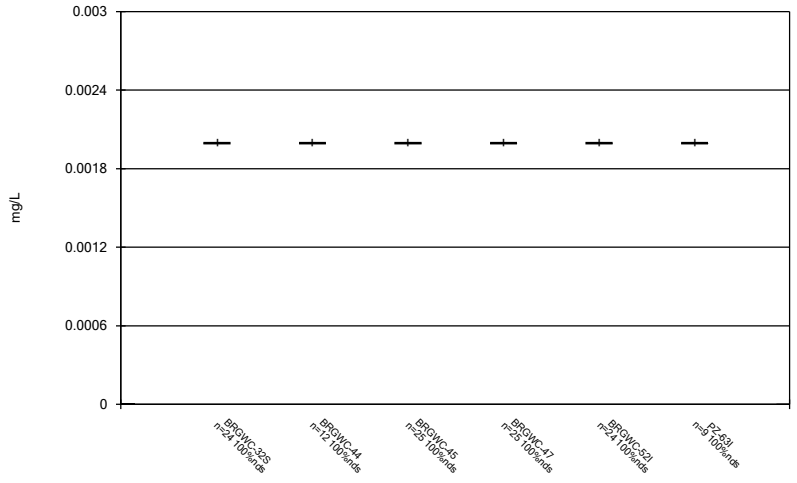


Constituent: Thallium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot

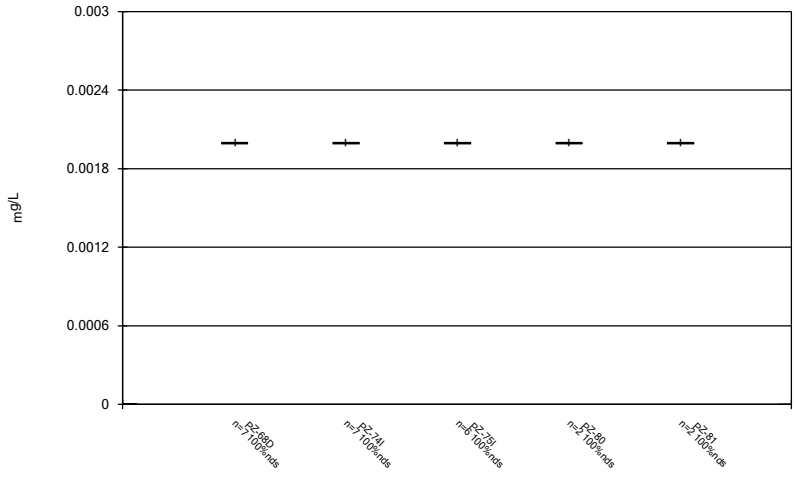


Constituent: Thallium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Box & Whiskers Plot



Constituent: Thallium Analysis Run 5/29/2026 11:01 AM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE C.

Outlier Summary

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 12:44 PM

	BRGWA-5I Cobalt (mg/L)	BRGWC-52I Fluoride (mg/L)	BRGWC-29I Lead (mg/L)	BRGWC-45 Lithium (mg/L)	BRGWA-6S TDS (mg/L)
9/1/2016					299 (O)
2/13/2018	<0.01 (O)				
2/14/2018		<0.005 (O)			
7/31/2018			<0.25 (O)		
8/10/2018		1.6 (O)			

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/10/2026, 4:47 PM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**0.0726,0.0765,0.0786,0.076,0.076,0.074,0.109,0.09**	**NP**	**180**	**0.03708**	**0.02713**	**x^6**	**ChiSquared**
Boron (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**0.0362,0.0617,0.0245,0.0314,0.062,0.055,0.068,0.0**	**NP**	**172**	**0.01562**	**0.01121**	**x^6**	**ChiSquared**
Calcium (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**20,20,21.7,21.1,21.5,24,23.5,21.4,23.2**	**NP**	**174**	**11.02**	**5.819**	**x^6**	**ChiSquared**
Chloride (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**4.8,4.7,5.46,5.8**	**NP**	**174**	**2.952**	**0.8757**	**x^6**	**ChiSquared**
Combined Radium 226 + 228 (pCi/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**1.7,2.05,5.9,3.46,2.54,2.04,2.8,2.3,3.62,2.27,4.9**	**NP**	**180**	**1.105**	**0.9437**	**x^6**	**ChiSquared**
Fluoride (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**0.14,0.14,0.14,0.16,0.267,0.229,0.184,0.149,0.289**	**NP**	**188**	**0.0958**	**0.0542**	**x^6**	**ChiSquared**
Sulfate (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**7.5,6.6,6.6,6.1,5.4,5.4,6.2,5.9,5.9,6,7.1,5.66,6.**	**NP**	**174**	**7.138**	**16.66**	**x^5**	**ChiSquared**
TDS (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**167,188,170,175,299,211,194,221,208**	**NP**	**174**	**101.7**	**43.73**	**x^6**	**ChiSquared**

Tukey's Outlier Test - Upgradient Wells - All Results

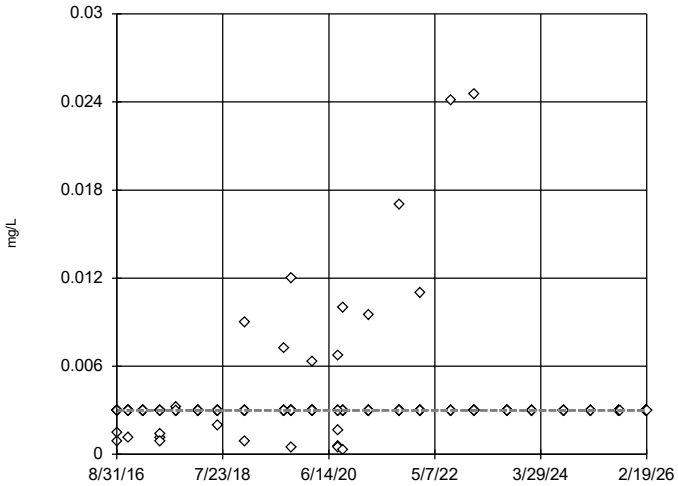
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/10/2026, 4:47 PM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	180	0.003437	0.002835	unknown	ChiSquared
Arsenic (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	180	0.004161	0.001626	unknown	ChiSquared
Barium (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**0.0726,0.0765,0.0786,0.076,0.076,0.074,0.109,0.09**	**NP**	**180**	**0.03708**	**0.02713**	**x^6**	**ChiSquared**
Beryllium (mg/L)	BRGWA-2I,BRGWA-2S...	No	n/a	NP	180	0.0005	0	normal	ChiSquared
Boron (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**0.0362,0.0617,0.0245,0.0314,0.062,0.055,0.068,0.0**	**NP**	**172**	**0.01562**	**0.01121**	**x^6**	**ChiSquared**
Cadmium (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	182	0.0009904	0.00009151	unknown	ChiSquared
Calcium (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**20,20,21.7,21.1,21.5,24,23.5,21.4,23.2**	**NP**	**174**	**11.02**	**5.819**	**x^6**	**ChiSquared**
Chloride (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**4.8,4.7,5.46,5.8**	**NP**	**174**	**2.952**	**0.8757**	**x^6**	**ChiSquared**
Chromium (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	180	0.006858	0.004155	unknown	ChiSquared
Cobalt (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	182	0.001244	0.00138	unknown	ChiSquared
Combined Radium 226 + 228 (pCi/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**1.7,2.05,5.9,3.46,2.54,2.04,2.8,2.3,3.62,2.27,4.9**	**NP**	**180**	**1.105**	**0.9437**	**x^6**	**ChiSquared**
Fluoride (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**0.14,0.14,0.14,0.16,0.267,0.229,0.184,0.149,0.289**	**NP**	**188**	**0.0958**	**0.0542**	**x^6**	**ChiSquared**
Lead (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	180	0.001817	0.0005589	unknown	ChiSquared
Lithium (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	180	0.01	0.01079	unknown	ChiSquared
Mercury (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	164	0.0001912	0.00003074	unknown	ChiSquared
Molybdenum (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	177	0.001258	0.0009685	unknown	ChiSquared
pH, Field (SU)	BRGWA-2I,BRGWA-2S...	No	n/a	NP	195	6.28	0.3778	x^6	ChiSquared
Selenium (mg/L)	BRGWA-2I,BRGWA-2S...	n/a	n/a	NP	180	0.004858	0.0006244	unknown	ChiSquared
Sulfate (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**7.5,6.6,6.6,6.1,5.4,5.4,6.2,5.9,5.9,6,7.1,5.66,6.**	**NP**	**174**	**7.138**	**16.66**	**x^5**	**ChiSquared**
TDS (mg/L)	**BRGWA-2I,BRGWA-2S...**	**Yes**	**167,188,170,175,299,211,194,221,208**	**NP**	**174**	**101.7**	**43.73**	**x^6**	**ChiSquared**
Thallium (mg/L)	BRGWA-2I,BRGWA-2S...	No	n/a	NP	180	0.002	0	normal	ChiSquared

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

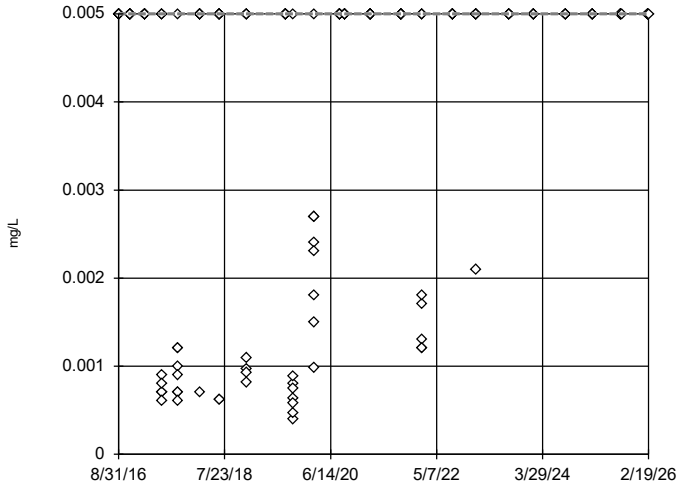
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found.
Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

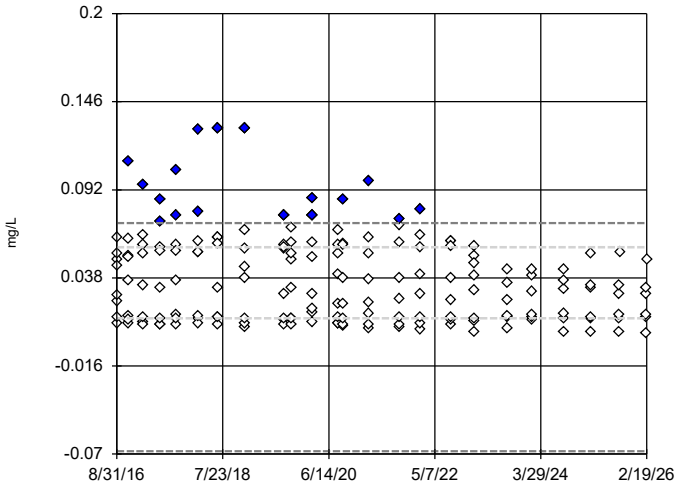
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

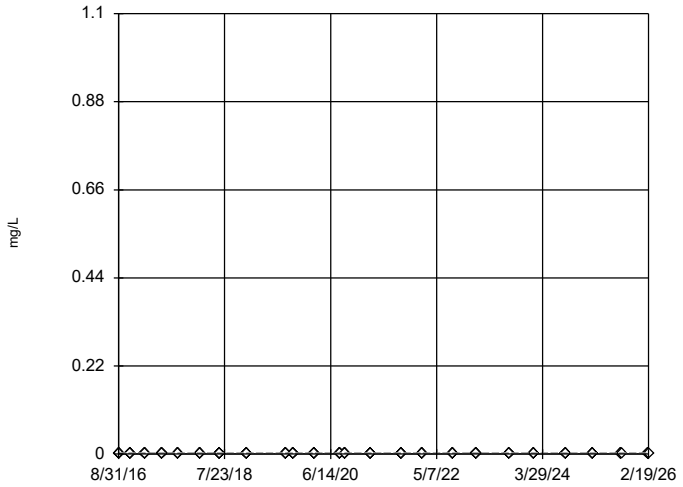
High cutoff = 0.07163, low cutoff = -0.06827, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found.
Tukey's method selected by user.

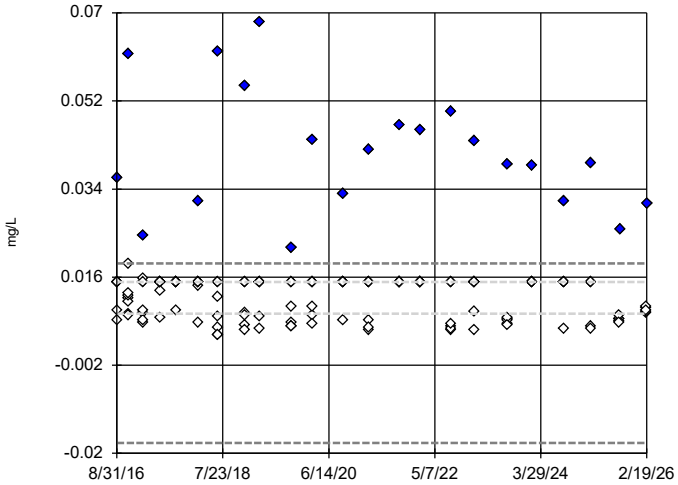
All values are the same.

Constituent: Beryllium Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 172

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

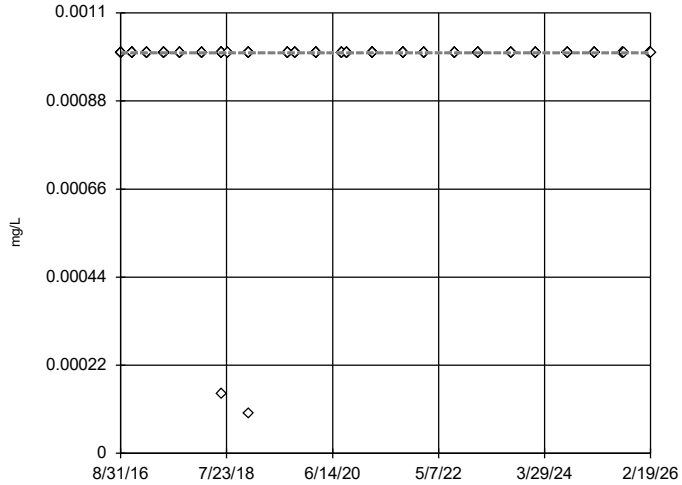
High cutoff = 0.01882, low cutoff = -0.01787, based on IQR multiplier of 3.

Constituent: Boron Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 182

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

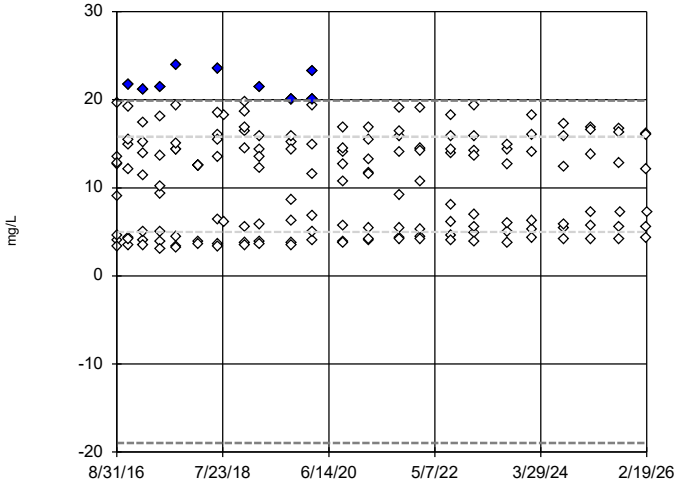
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 174

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

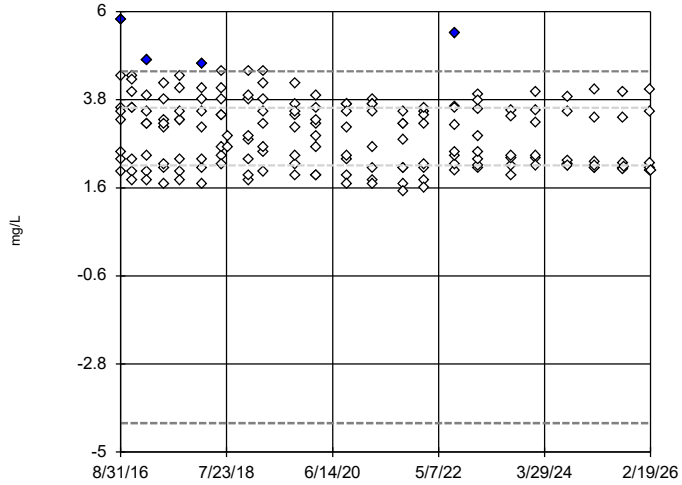
High cutoff = 19.9, low cutoff = -18.97, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 174

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

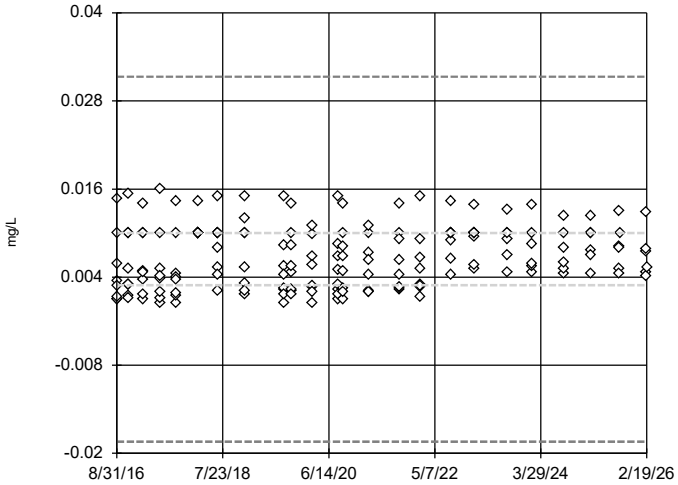
High cutoff = 4.509, low cutoff = -4.277, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

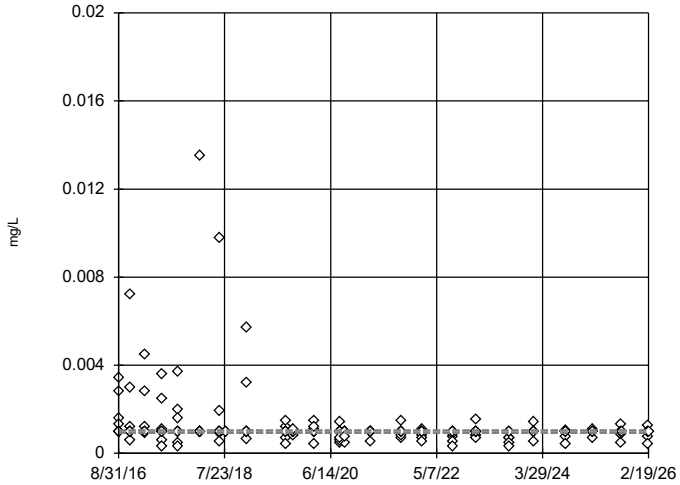
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Chromium Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 182

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

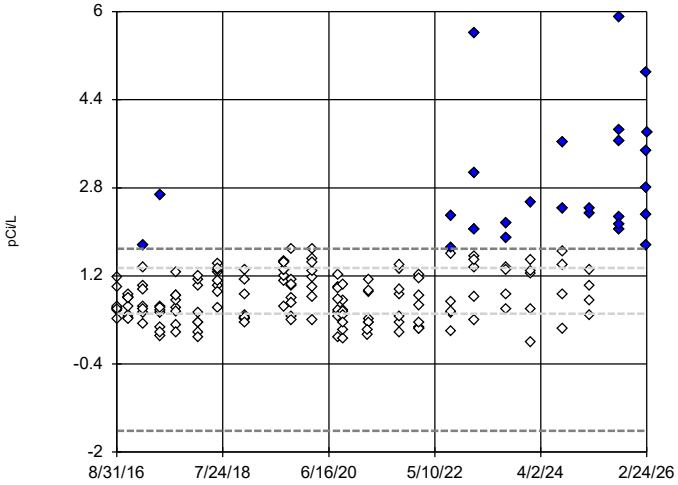
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Cobalt Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

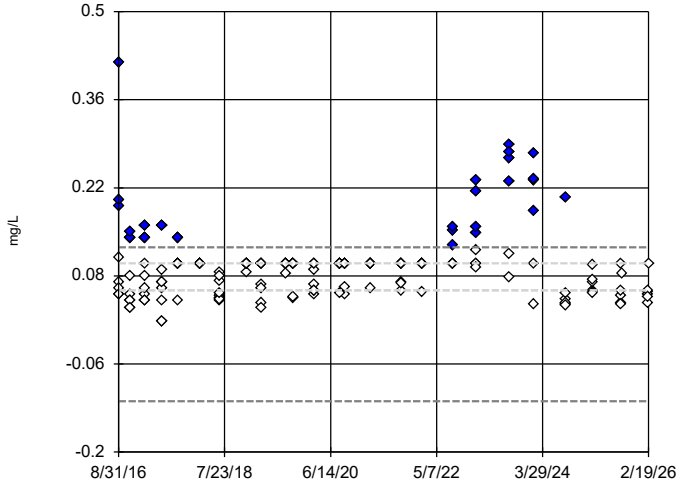
High cutoff = 1.694, low cutoff = -1.614, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 188

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

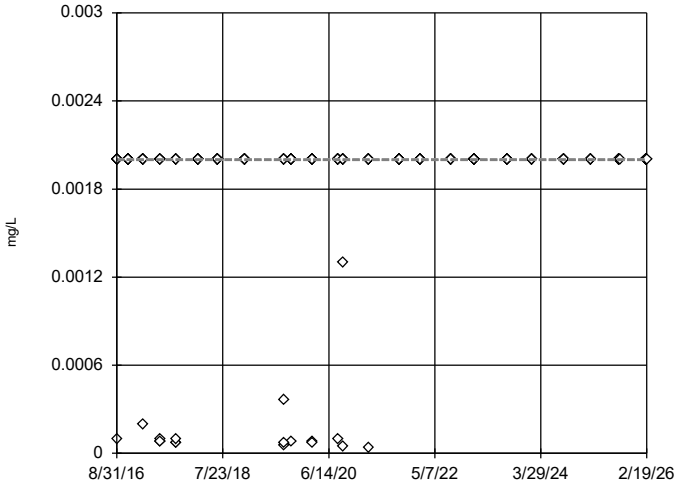
High cutoff = 0.1254, low cutoff = -0.1192, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

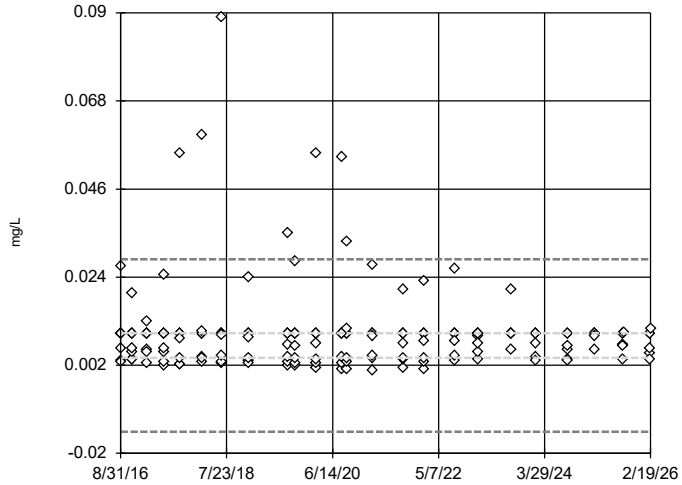
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

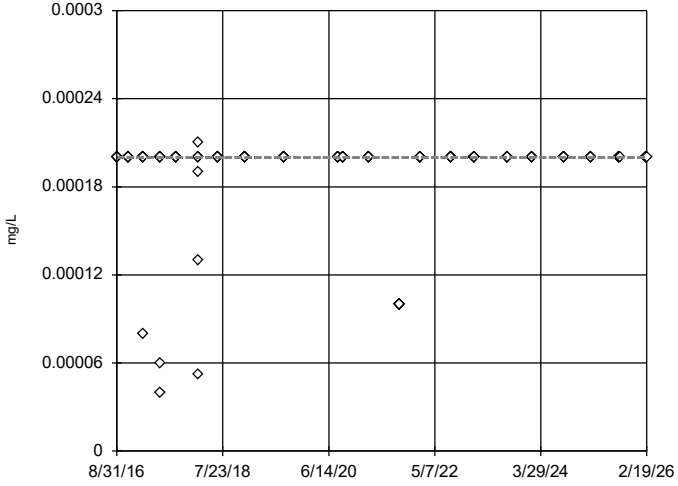
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Lithium Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 164

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

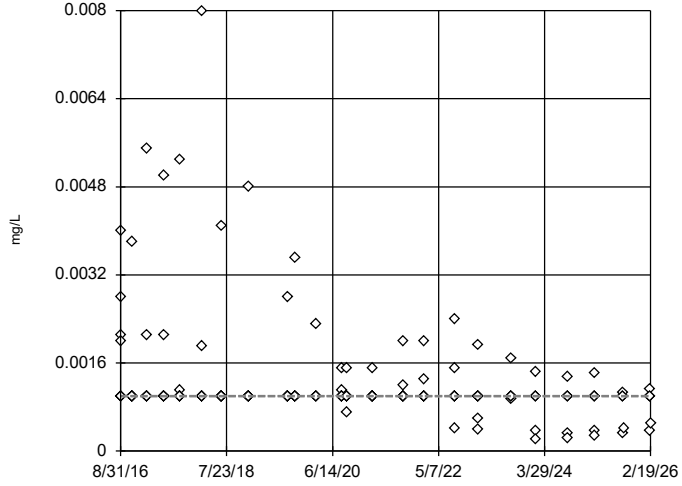
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 177

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

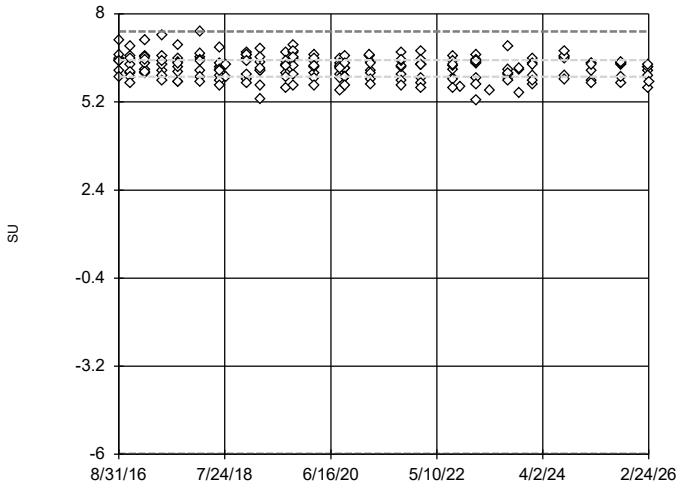
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 195

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

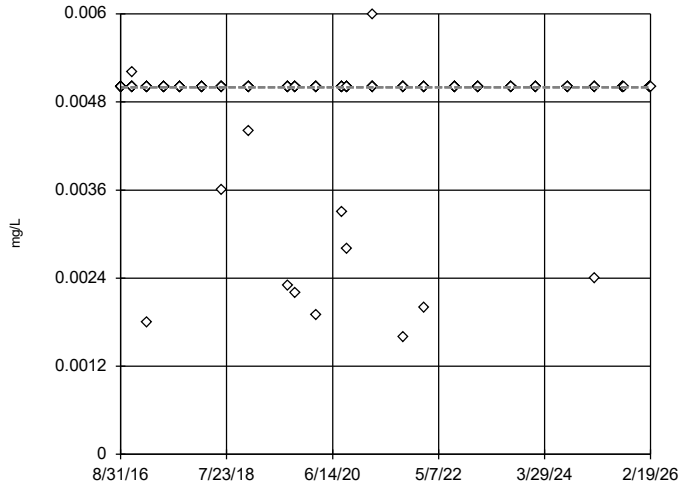
High cutoff = 7.444, low cutoff = -5.985, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 4/10/2026 4:41 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found.
Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

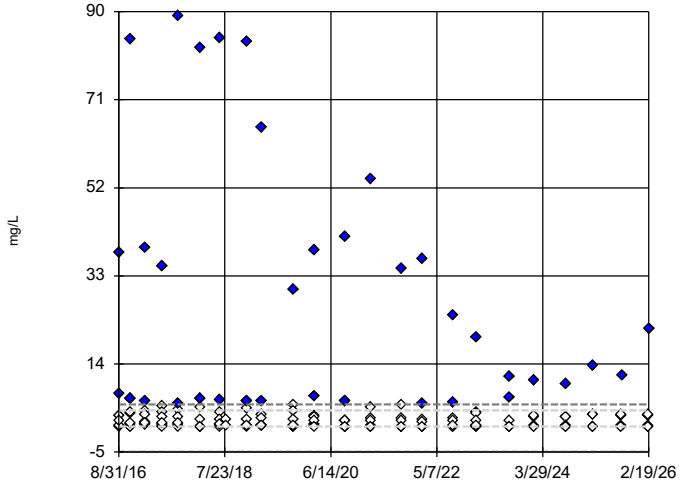
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 4/10/2026 4:42 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 174

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

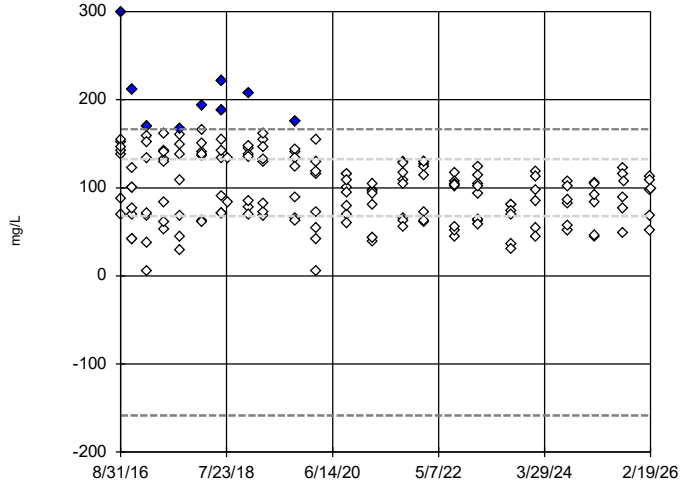
High cutoff = 5.285, low cutoff = -4.989, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 4/10/2026 4:42 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 174

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

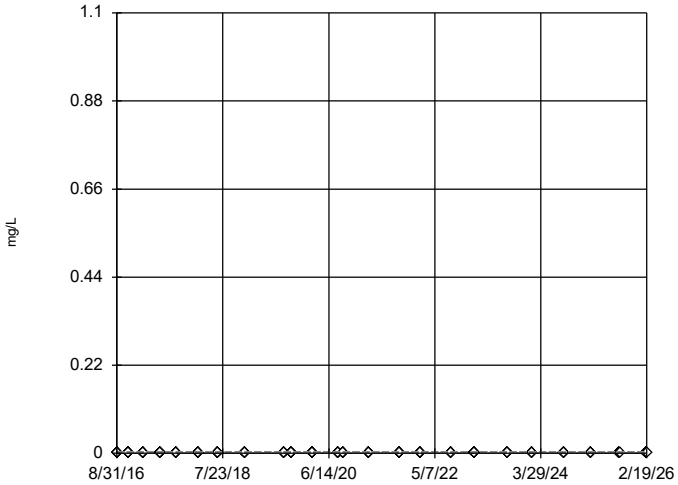
High cutoff = 166.6, low cutoff = -158.5, based on IQR multiplier of 3.

Constituent: TDS Analysis Run 4/10/2026 4:42 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tukey's Outlier Screening, Pooled Background

BRGWA-2I,BRGWA-2S,BRGWA-5I,BRGWA-5S...



n = 180

No outliers found.
Tukey's method select-
ed by user.

All values are the same.

Constituent: Thallium Analysis Run 4/10/2026 4:42 PM View: Tukey's Outlier
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE D.

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2176**	**159**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5I (bg)**	**0.2882**	**107**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.6063**	**-126**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1083**	**150**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.013**	**-160**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06175**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2298**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07952**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.04485**	**-208**	**-124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03691**	**-135**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3621**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-5S (bg)**	**-0.03245**	**-99**	**-98**	**Yes**	**23**	**21.74**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-6.533**	**-151**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-8.606**	**-102**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.029**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-23S (bg)**	**-8.69**	**-150**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

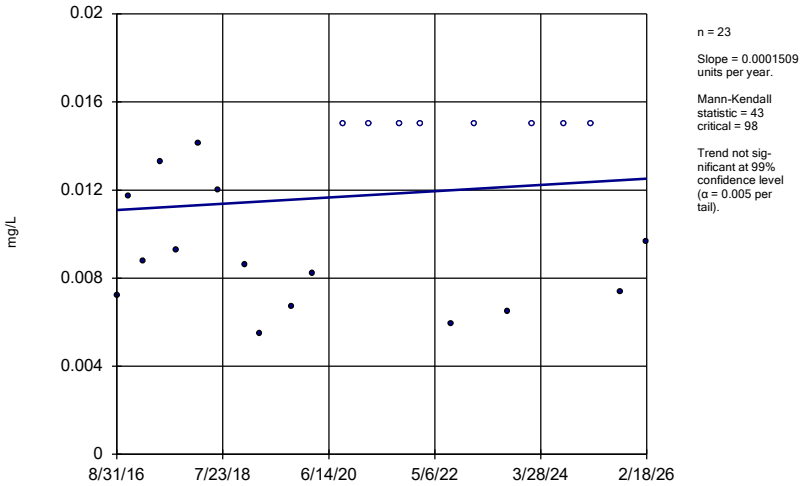
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWA-2I (bg)	0.0001509	43	98	No	23	34.78	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-2S (bg)	0	-42	-98	No	23	78.26	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5I (bg)	0	-48	-98	No	23	65.22	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5S (bg)	0	-41	-98	No	23	47.83	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-6S (bg)	0	-35	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12I (bg)	-0.00006578	-7	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12S (bg)	0	-7	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-23S (bg)	-0.0005891	-16	-98	No	23	8.696	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2I (bg)	-0.03083	-13	-98	No	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2176**	**159**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5I (bg)**	**0.2882**	**107**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.6063**	**-126**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1083**	**150**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-12I (bg)	-0.2348	-12	-68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-12S (bg)	0.1273	28	68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.013**	**-160**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-2I (bg)	0	-8	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-2S (bg)	0.02936	51	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5I (bg)	-0.07759	-94	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06175**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-6S (bg)	-0.01122	-52	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-12S (bg)	0.06545	54	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2298**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	BRGWA-2I (bg)	-0.001822	-72	-111	No	25	44	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-2S (bg)	0	55	111	No	25	48	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5I (bg)	0	67	111	No	25	56	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-5S (bg)	0	3	111	No	25	28	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-6S (bg)	0	-5	-111	No	25	44	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-12I (bg)	-0.008595	-35	-74	No	19	21.05	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-12S (bg)	0	63	74	No	19	63.16	n/a	n/a	0.01	NP
Fluoride (mg/L)	BRGWA-23S (bg)	0	18	111	No	25	44	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07952**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.04485**	**-208**	**-124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-5I (bg)	-0.01855	-80	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03691**	**-135**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-6S (bg)	-0.01337	-40	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12I (bg)	-0.02367	-31	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12S (bg)	-0.01693	-51	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-23S (bg)	0.004115	15	124	No	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3621**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-2S (bg)	-0.02863	-57	-98	No	23	21.74	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5I (bg)	-0.1225	-73	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-5S (bg)**	**-0.03245**	**-99**	**-98**	**Yes**	**23**	**21.74**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-6S (bg)	-0.01203	-76	-98	No	23	17.39	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-6.533**	**-151**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-8.606**	**-102**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-2S (bg)	0	4	98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5I (bg)	-2.691	-65	-98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.029**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-6S (bg)	-2.075	-54	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12I (bg)	-5.117	-61	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12S (bg)	-5.699	-57	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-23S (bg)**	**-8.69**	**-150**	**-98**	**Yes**	**23**	**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 = 23

Slope = 0.0001509 units per year.

Mann-Kendall statistic = 43
critical = 98

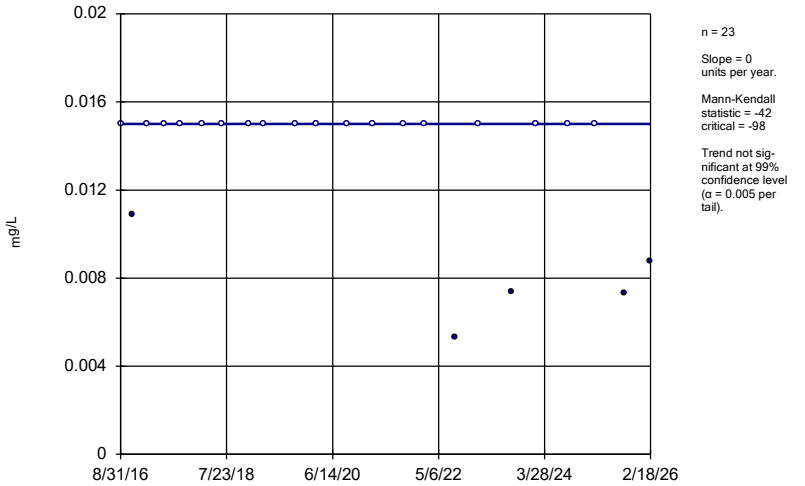
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = -42
critical = -98

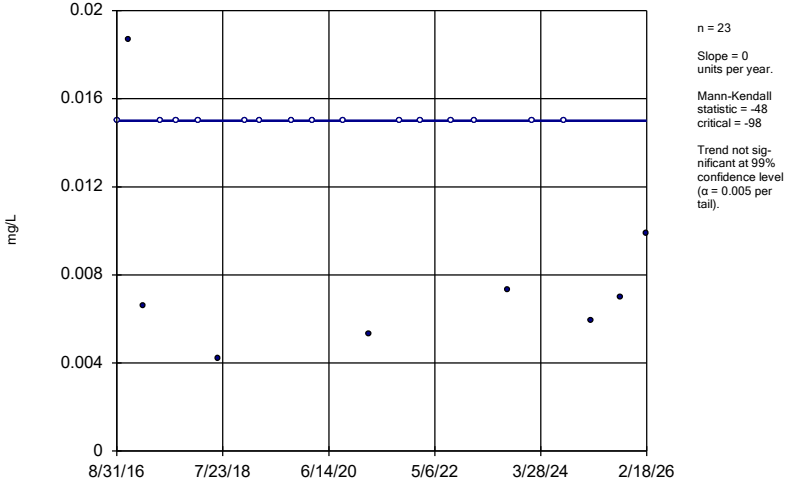
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = -48
critical = -98

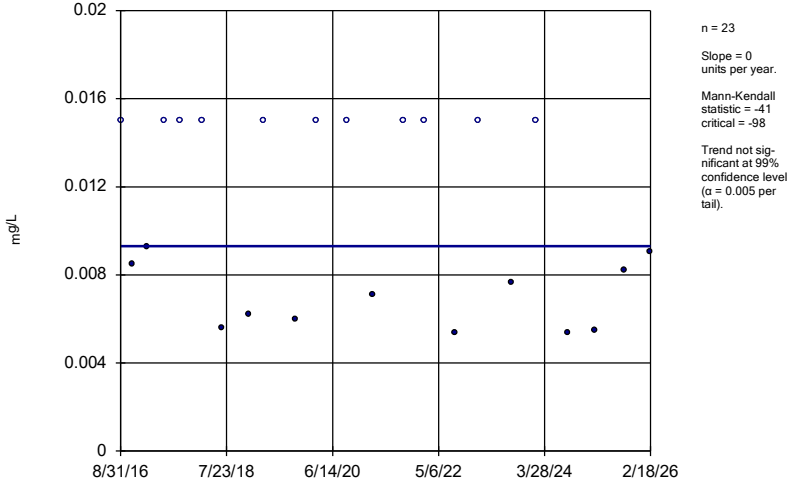
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = -41
critical = -98

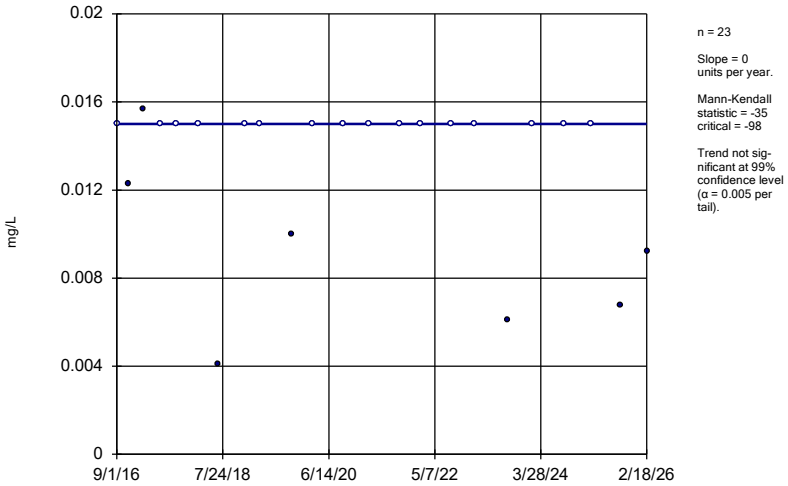
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = 0
units per year.

Mann-Kendall
statistic = -35
critical = -98

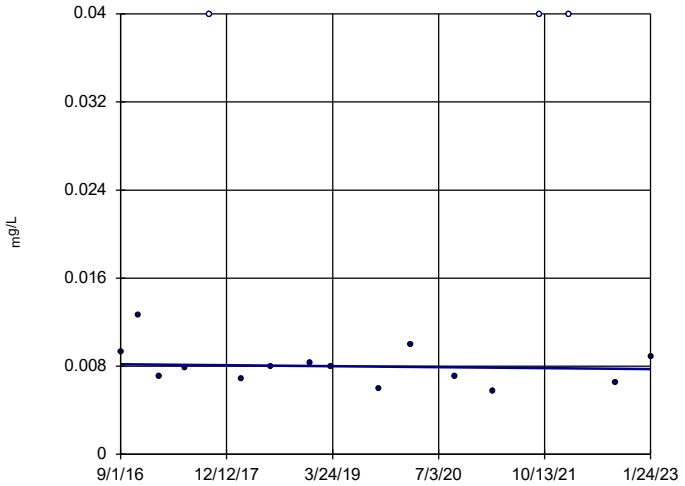
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 17

Slope = -0.00006578
units per year.

Mann-Kendall
statistic = -7
critical = -63

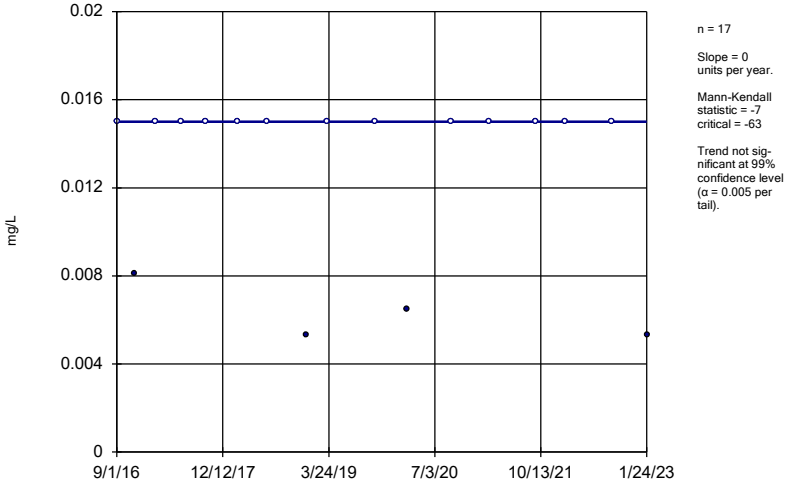
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 17

Slope = 0
units per year.

Mann-Kendall
statistic = -7
critical = -63

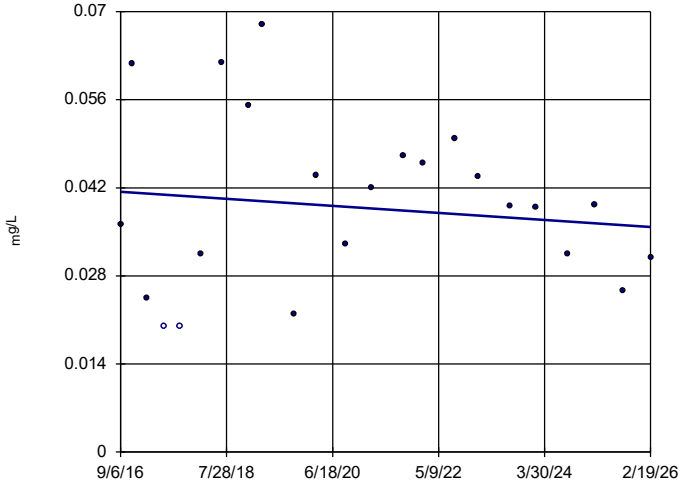
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -0.0005891
units per year.

Mann-Kendall
statistic = -16
critical = -98

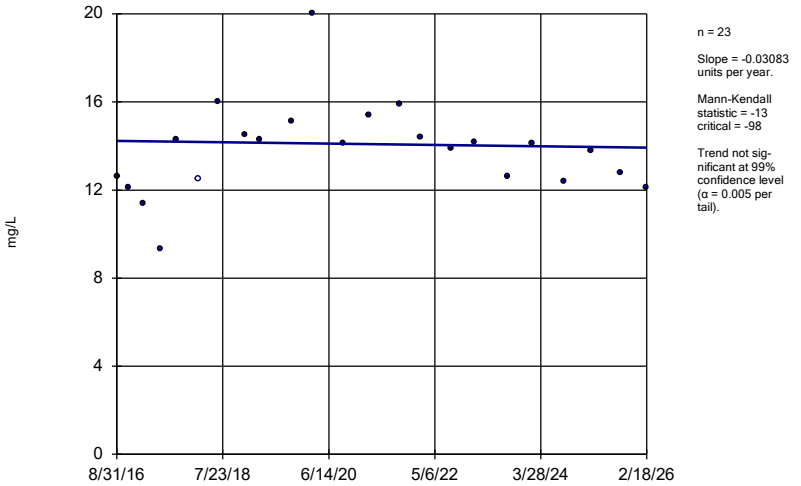
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = -0.03083 units per year.

Mann-Kendall statistic = -13
critical = -98

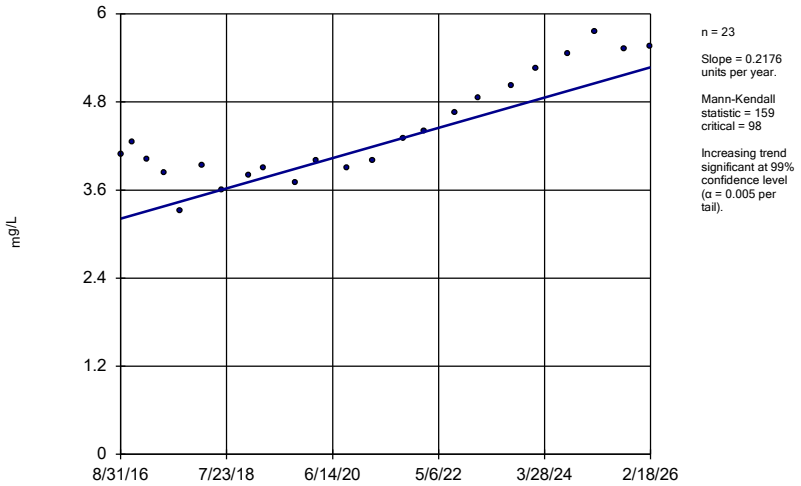
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = 0.2176 units per year.

Mann-Kendall statistic = 159
critical = 98

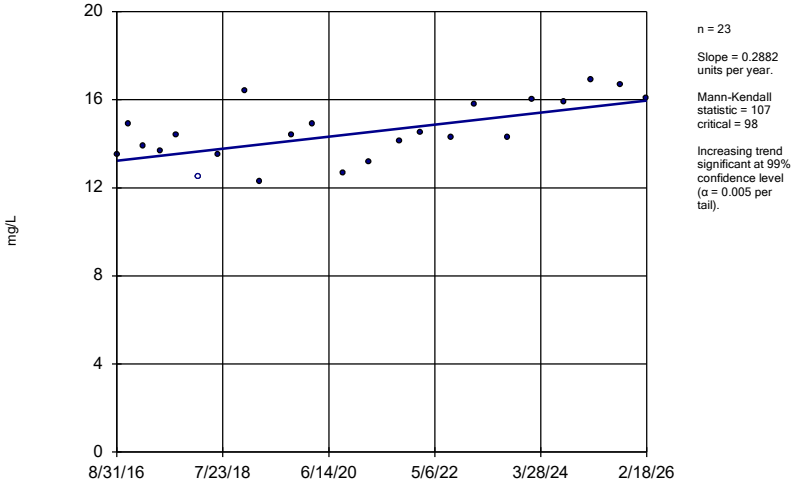
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = 0.2882 units per year.

Mann-Kendall statistic = 107
critical = 98

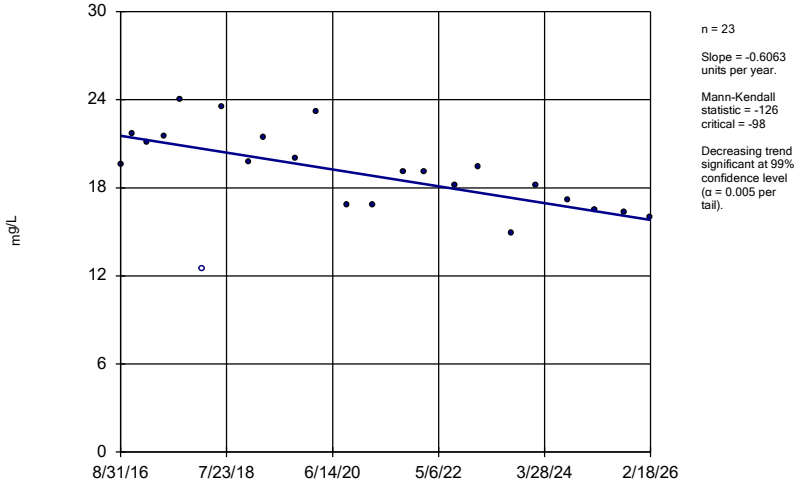
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/8/2026 3:02 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -0.6063 units per year.

Mann-Kendall statistic = -126
critical = -98

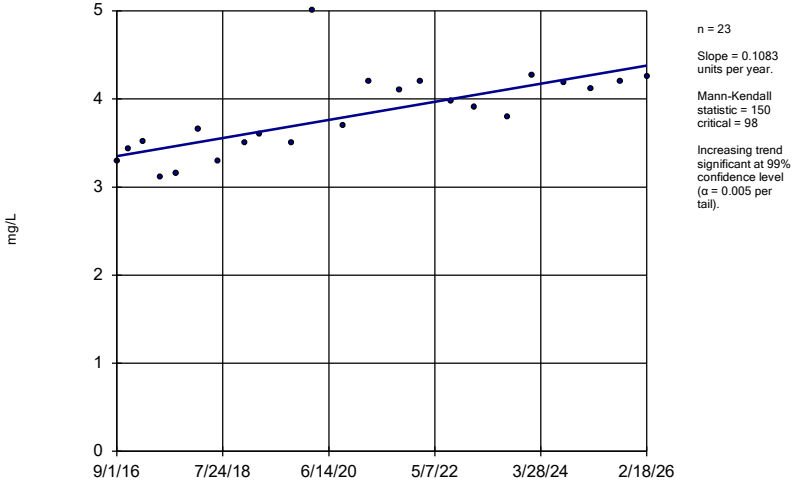
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = 0.1083 units per year.

Mann-Kendall statistic = 150 critical = 98

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

Constituent: Calcium Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

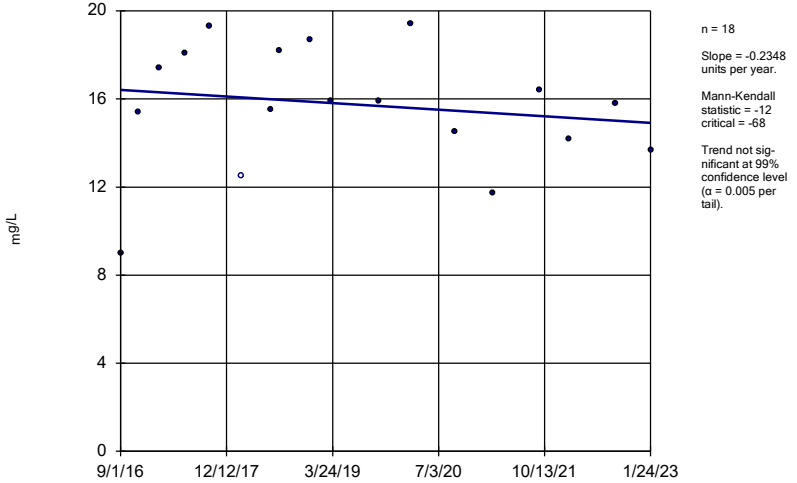
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.2348 units per year.

Mann-Kendall statistic = -12 critical = -68

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

Constituent: Calcium Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

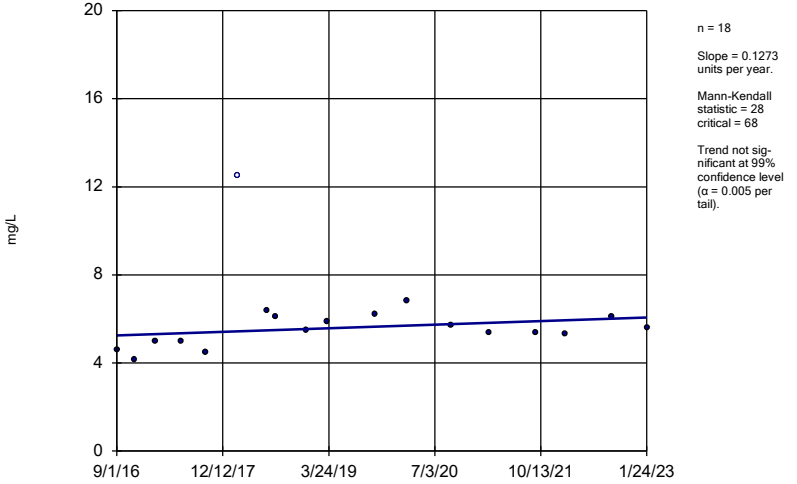
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.1273 units per year.

Mann-Kendall statistic = 28 critical = 68

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

Constituent: Calcium Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

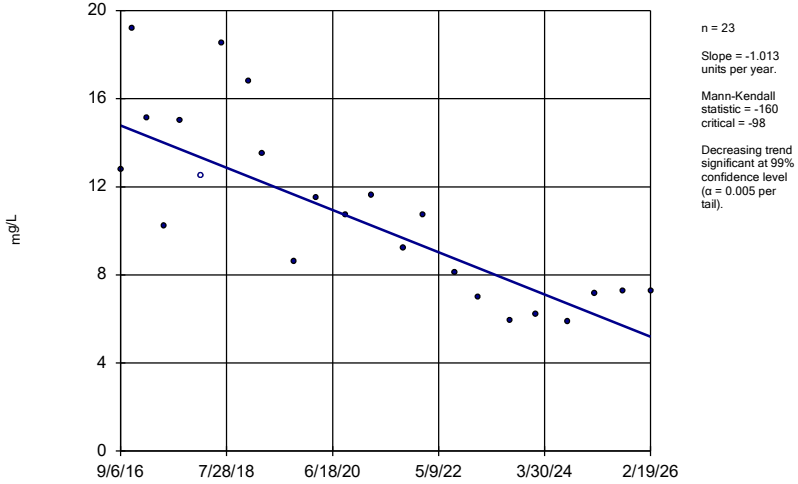
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -1.013 units per year.

Mann-Kendall statistic = -160 critical = -98

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

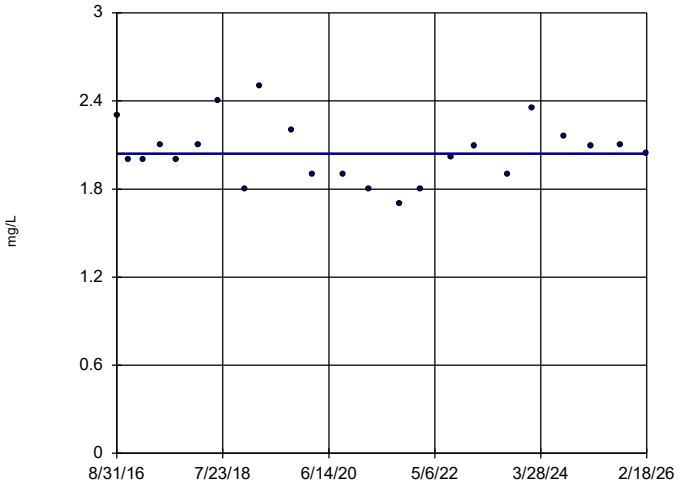
Constituent: Calcium Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -8
critical = -98

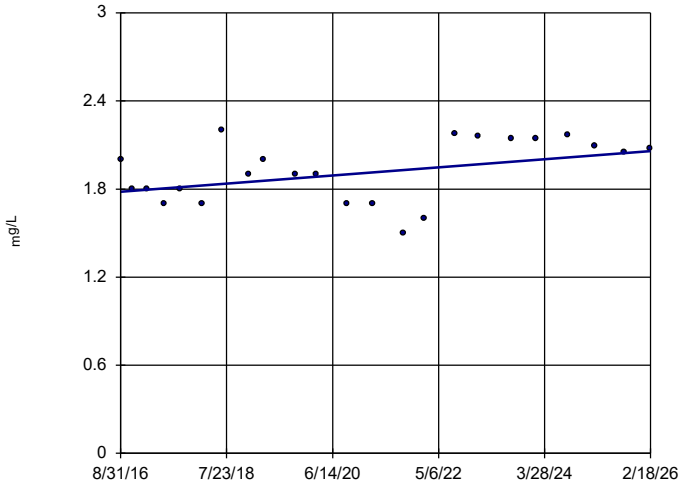
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = 0.02936 units per year.

Mann-Kendall statistic = 51
critical = 98

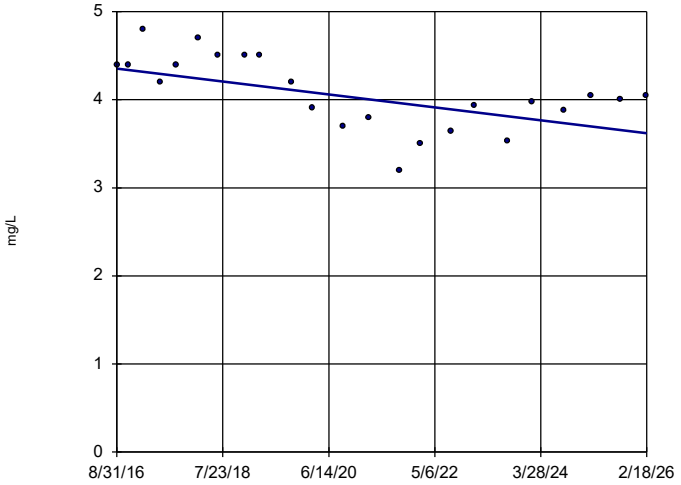
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -0.07759 units per year.

Mann-Kendall statistic = -94
critical = -98

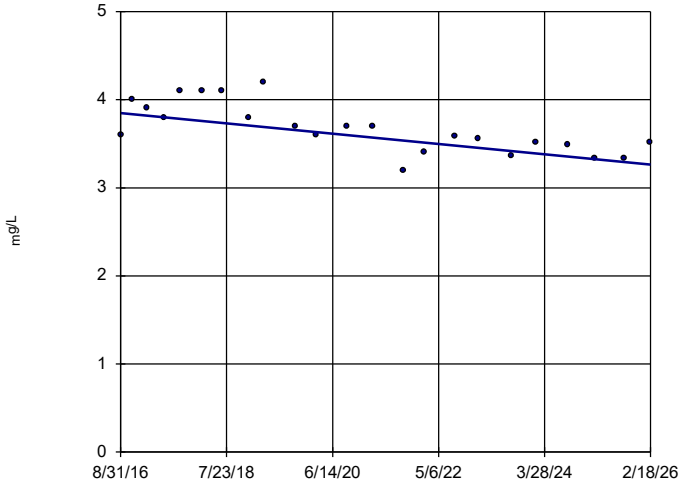
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -0.06175 units per year.

Mann-Kendall statistic = -146
critical = -98

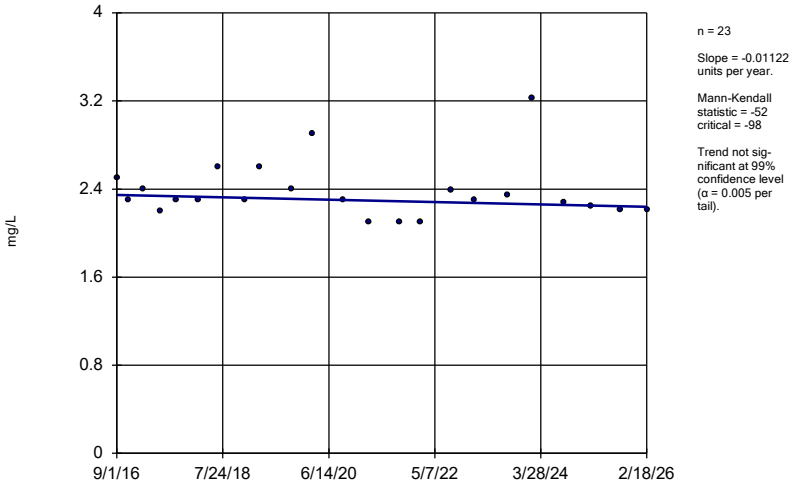
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = -0.01122 units per year.

Mann-Kendall statistic = -52
critical = -98

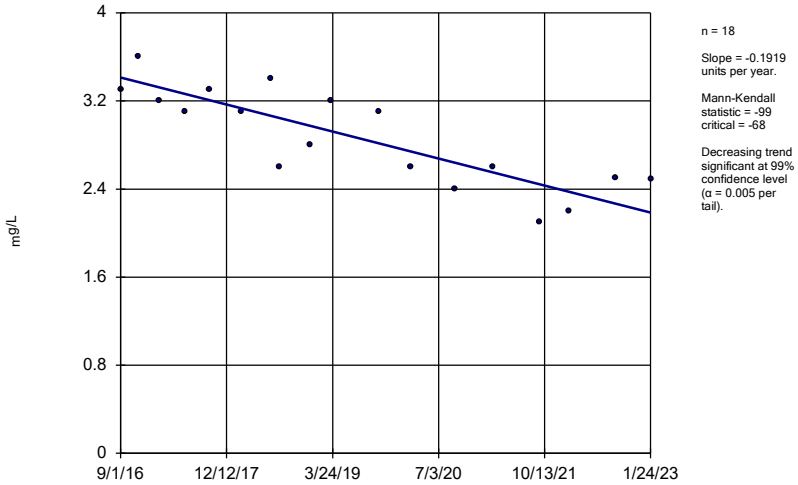
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.1919 units per year.

Mann-Kendall statistic = -99
critical = -68

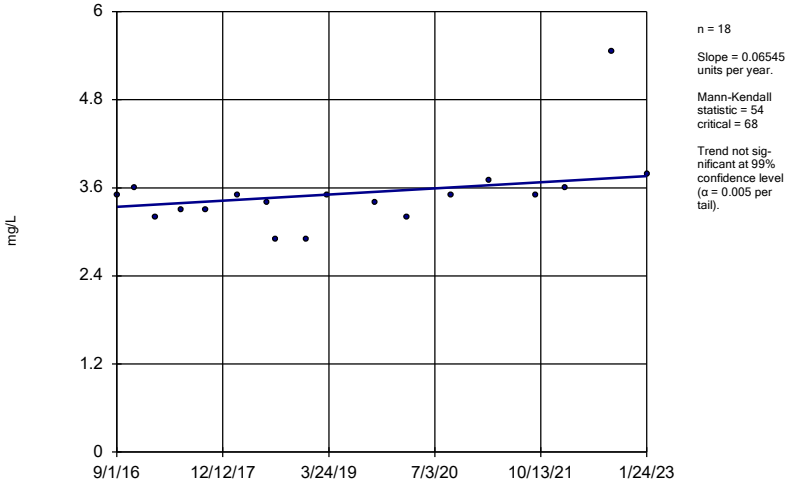
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.06545 units per year.

Mann-Kendall statistic = 54
critical = 68

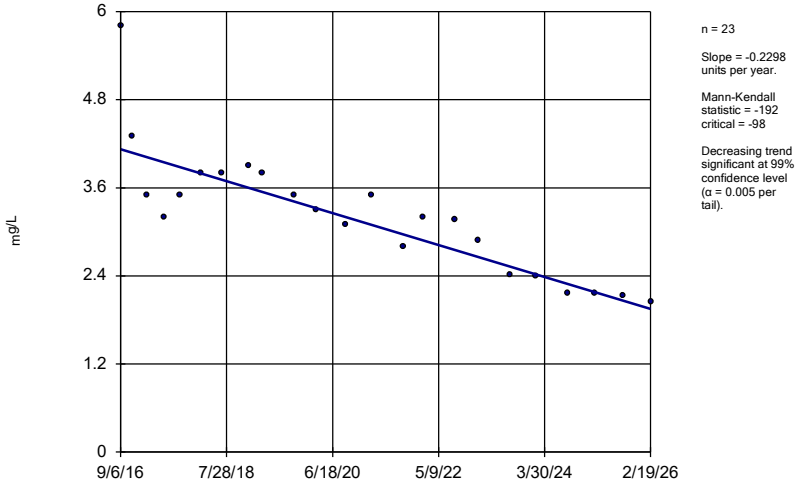
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -0.2298 units per year.

Mann-Kendall statistic = -192
critical = -98

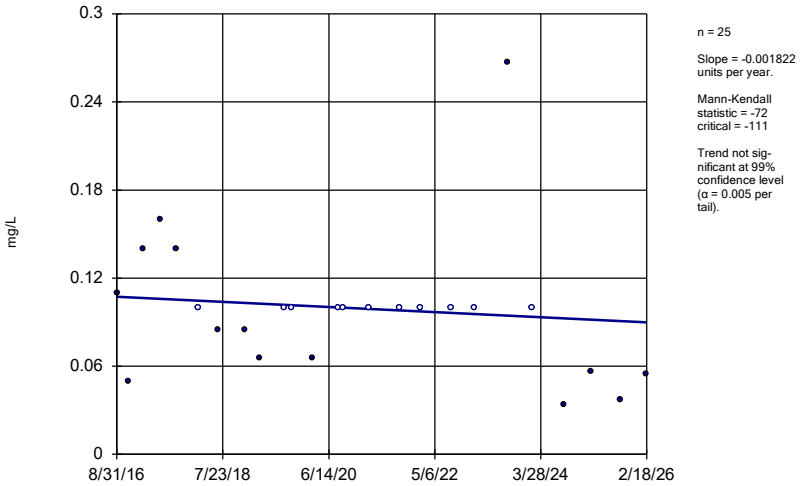
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 25

Slope = -0.001822 units per year.

Mann-Kendall statistic = -72
critical = -111

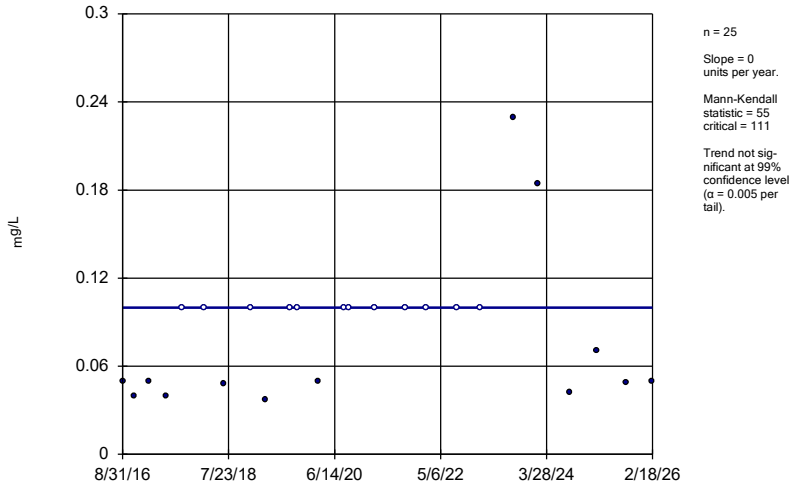
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 55
critical = 111

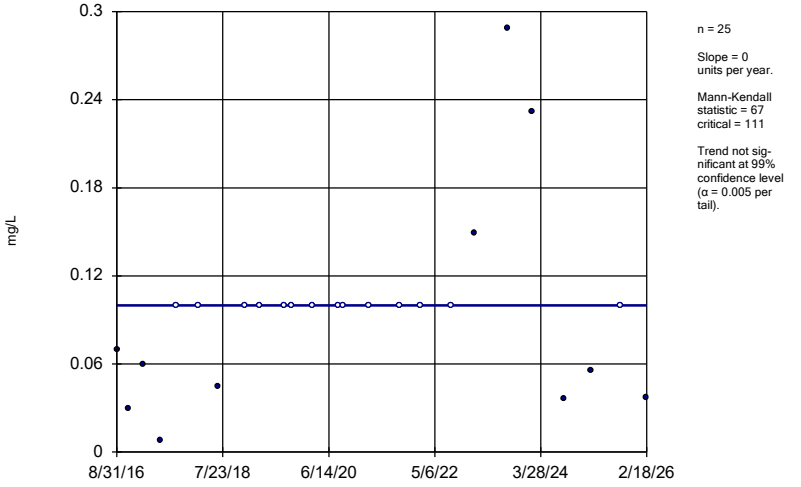
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 67
critical = 111

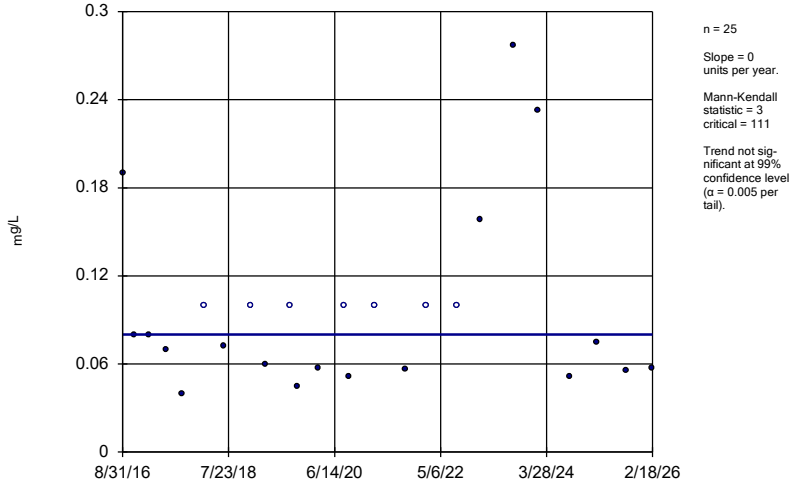
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 111

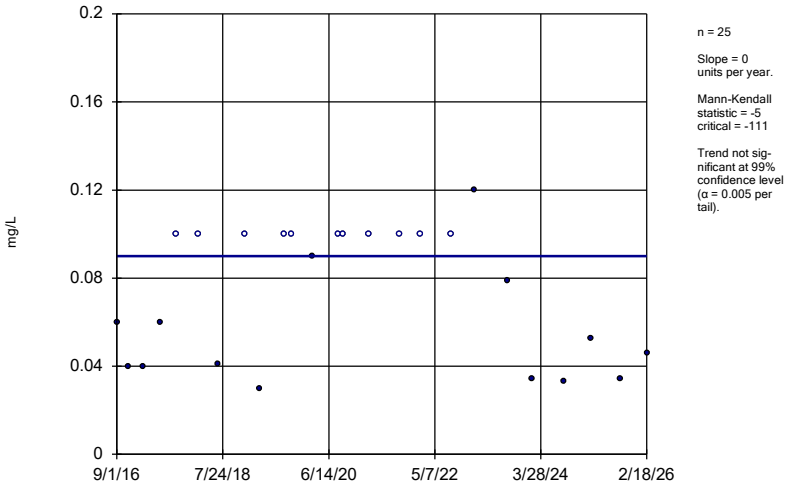
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -111

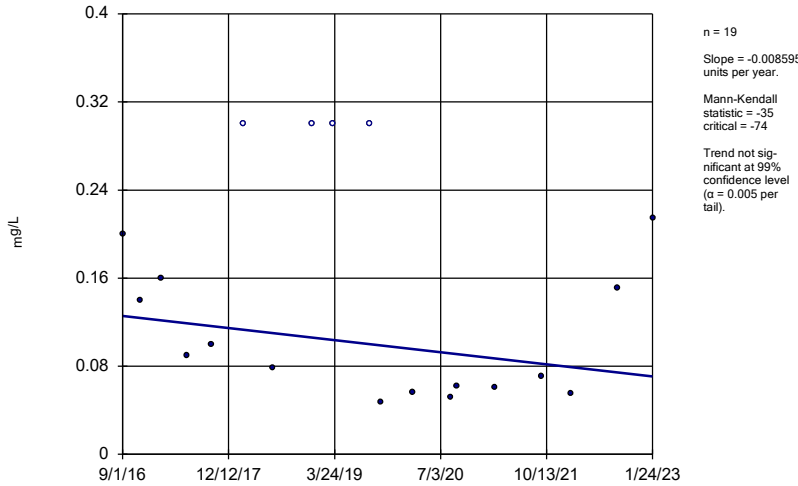
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 19

Slope = -0.008595 units per year.

Mann-Kendall statistic = -35
critical = -74

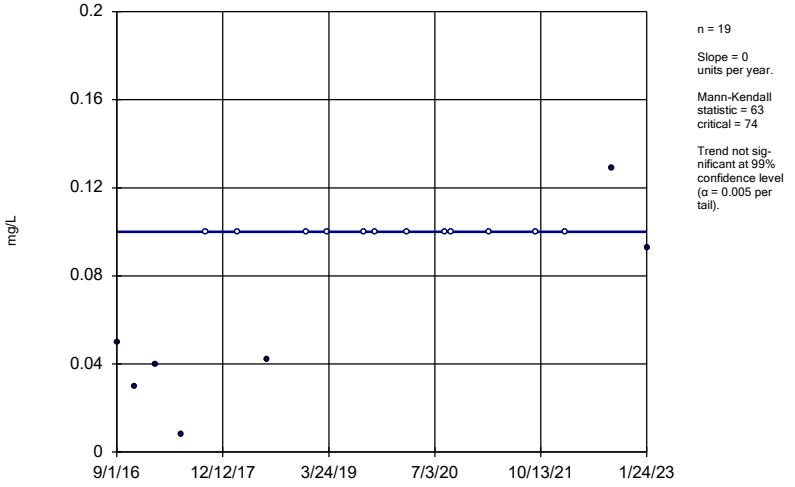
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 63
critical = 74

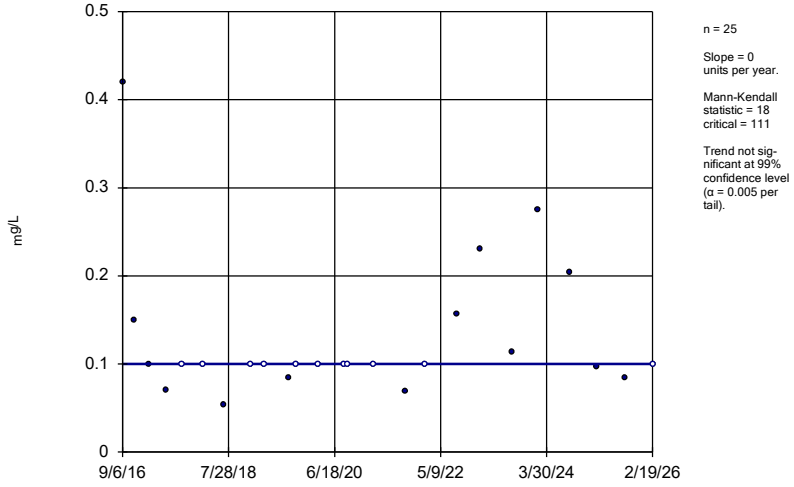
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 111

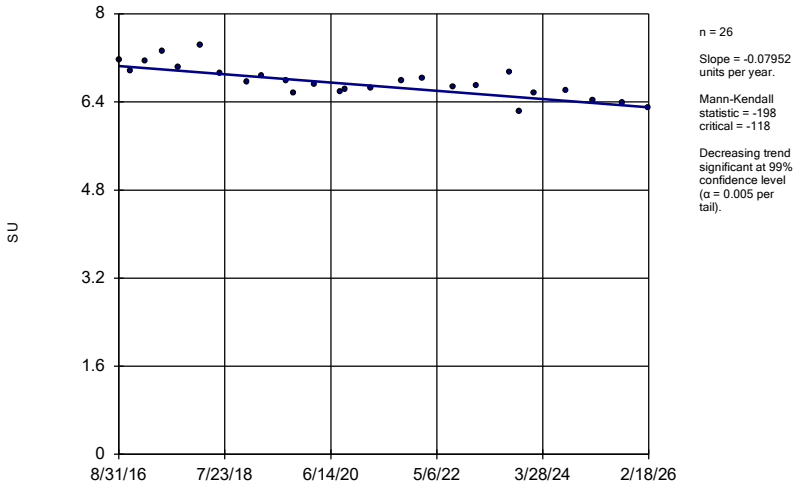
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 26

Slope = -0.07952 units per year.

Mann-Kendall statistic = -198 critical = -118

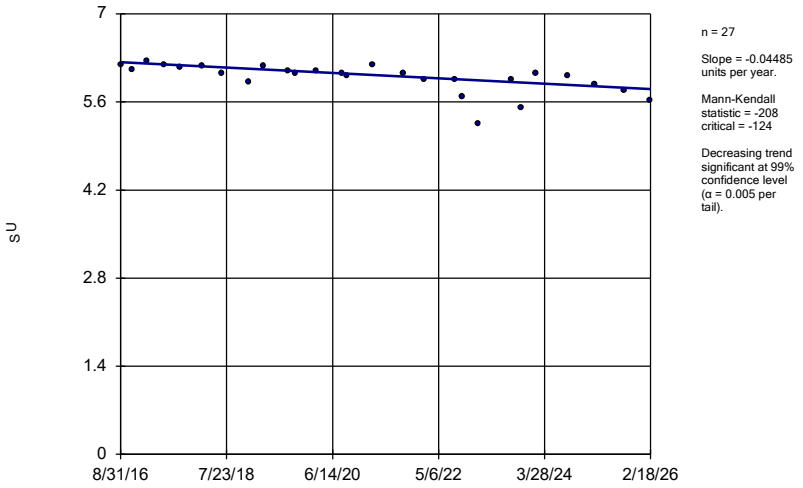
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 27

Slope = -0.04485 units per year.

Mann-Kendall statistic = -208 critical = -124

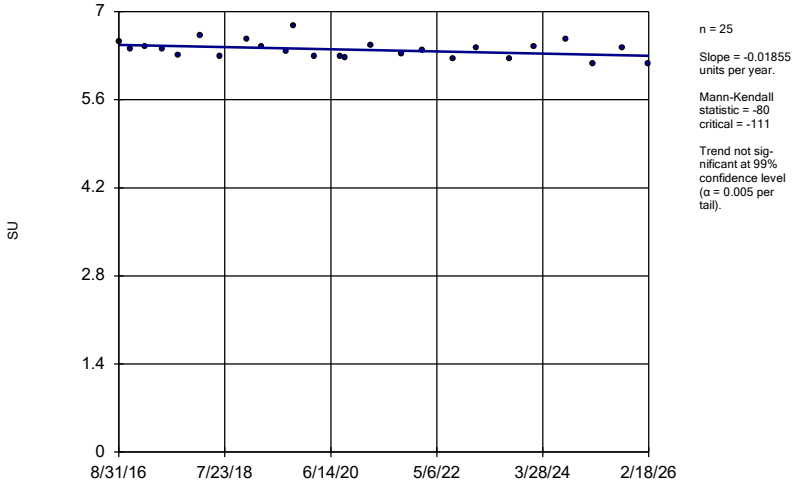
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 25

Slope = -0.01855 units per year.

Mann-Kendall statistic = -80 critical = -111

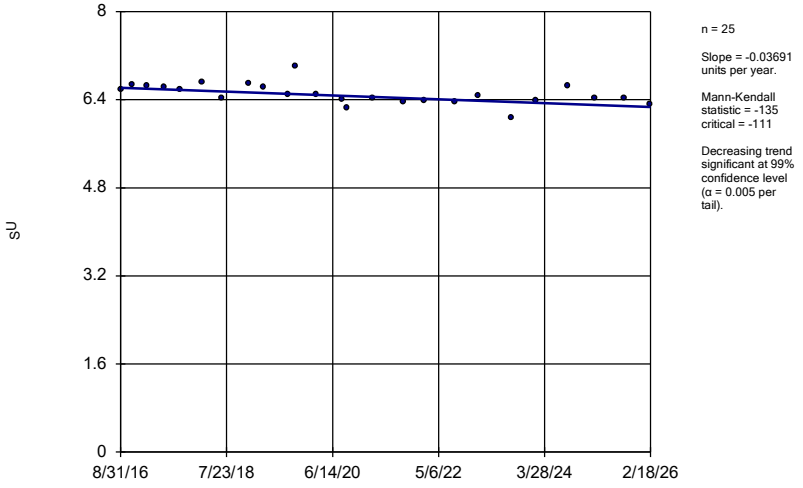
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 25

Slope = -0.03691 units per year.

Mann-Kendall statistic = -135 critical = -111

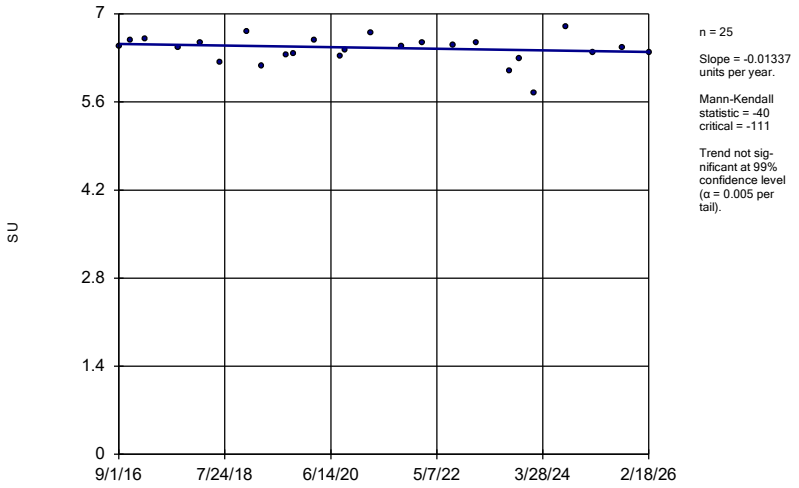
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 25

Slope = -0.01337 units per year.

Mann-Kendall statistic = -40 critical = -111

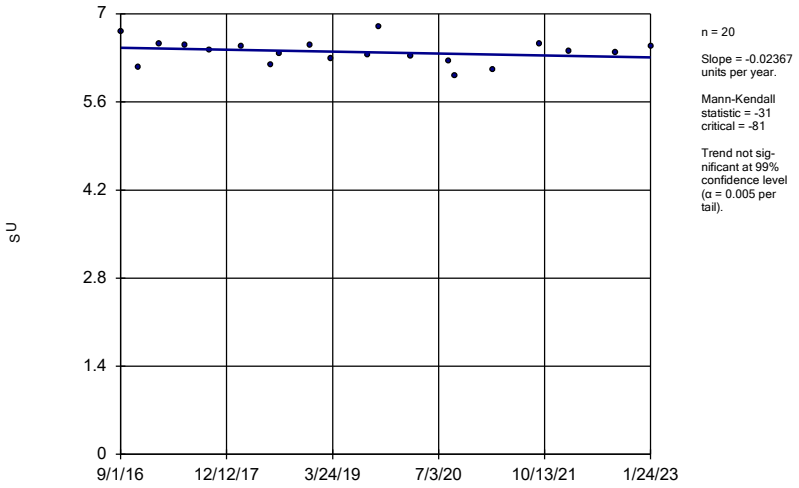
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 20

Slope = -0.02367 units per year.

Mann-Kendall statistic = -31 critical = -81

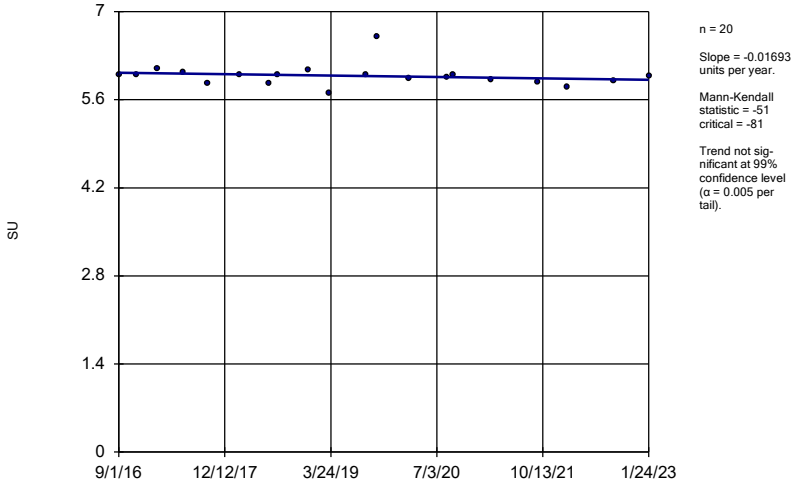
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 20

Slope = -0.01693 units per year.

Mann-Kendall statistic = -51 critical = -81

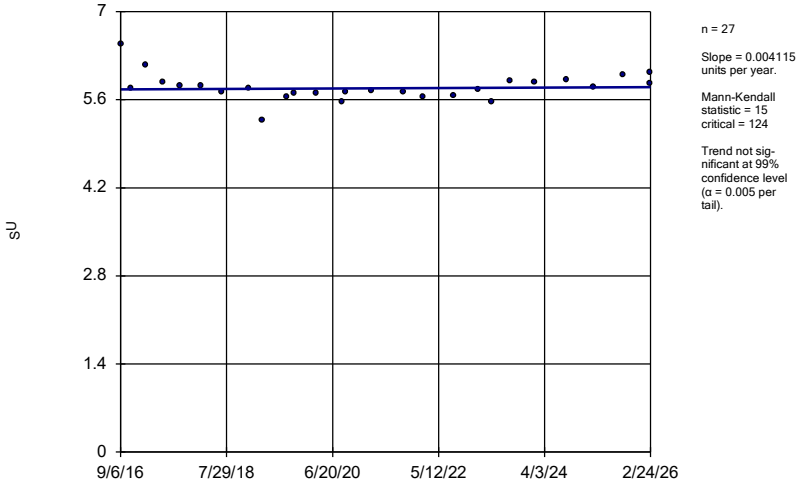
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 27

Slope = 0.004115 units per year.

Mann-Kendall statistic = 15 critical = 124

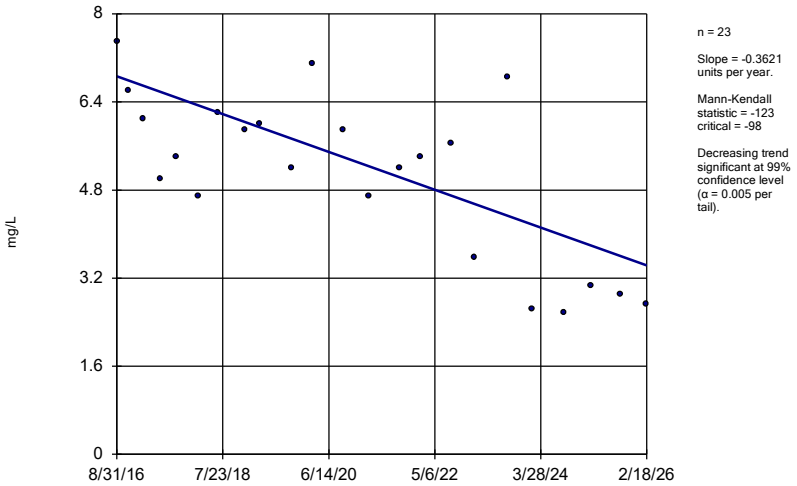
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = -0.3621 units per year.

Mann-Kendall statistic = -123 critical = -98

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

Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

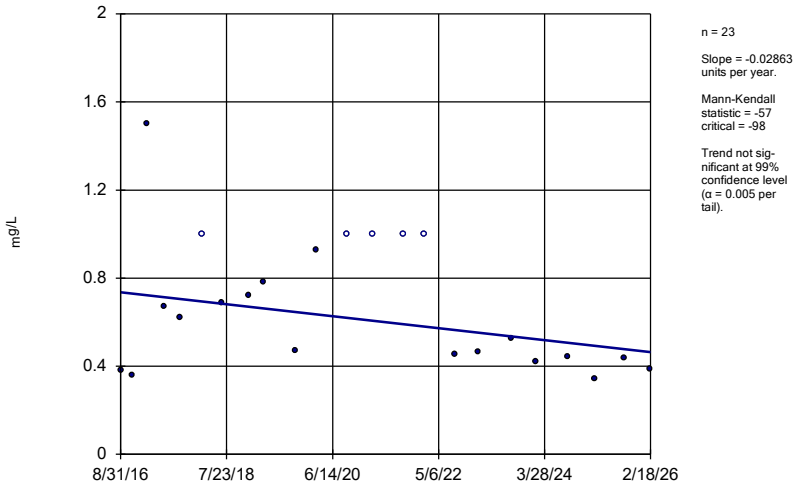
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = -0.02863 units per year.

Mann-Kendall statistic = -57 critical = -98

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

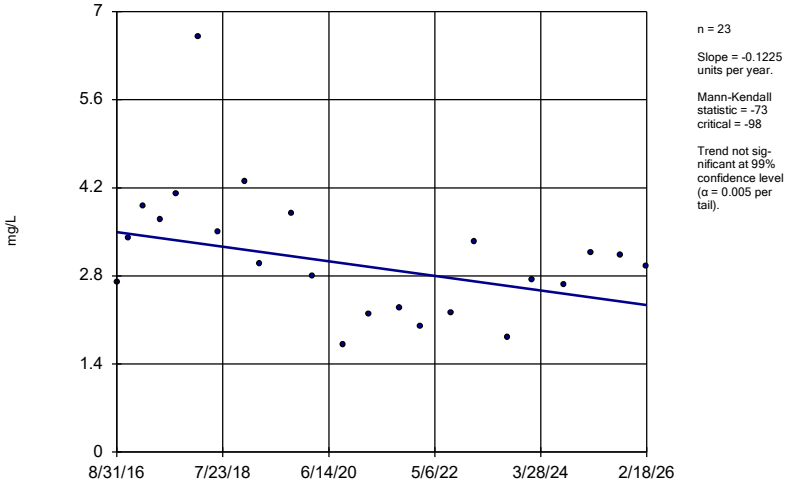
Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -0.1225 units per year.

Mann-Kendall statistic = -73 critical = -98

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

Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

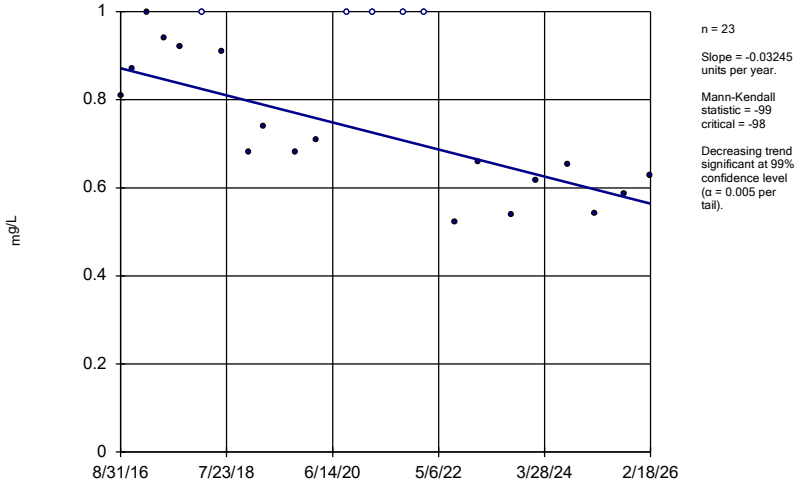
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -0.03245 units per year.

Mann-Kendall statistic = -99 critical = -98

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

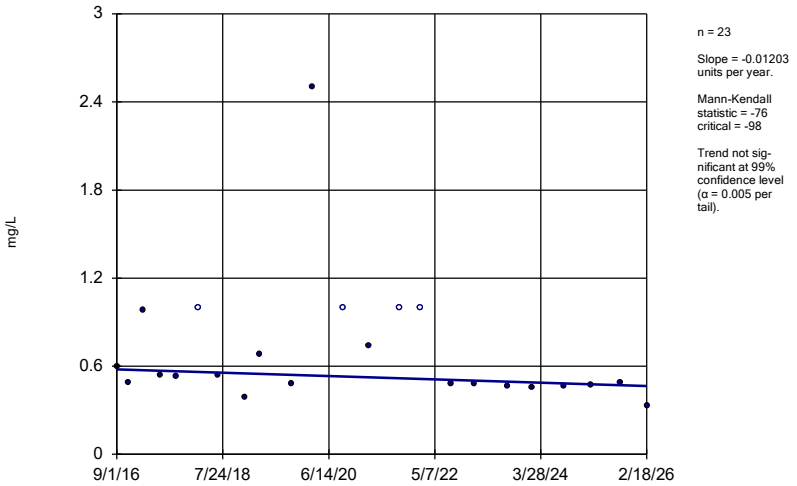
Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = -0.01203 units per year.

Mann-Kendall statistic = -76
critical = -98

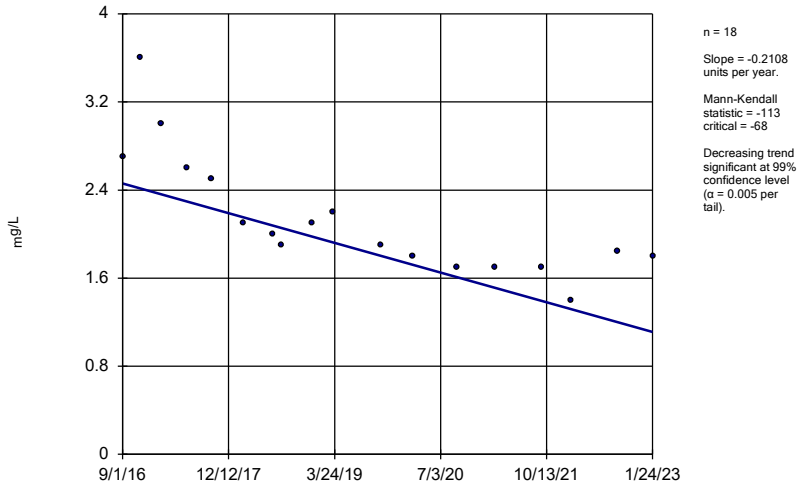
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.2108 units per year.

Mann-Kendall statistic = -113
critical = -68

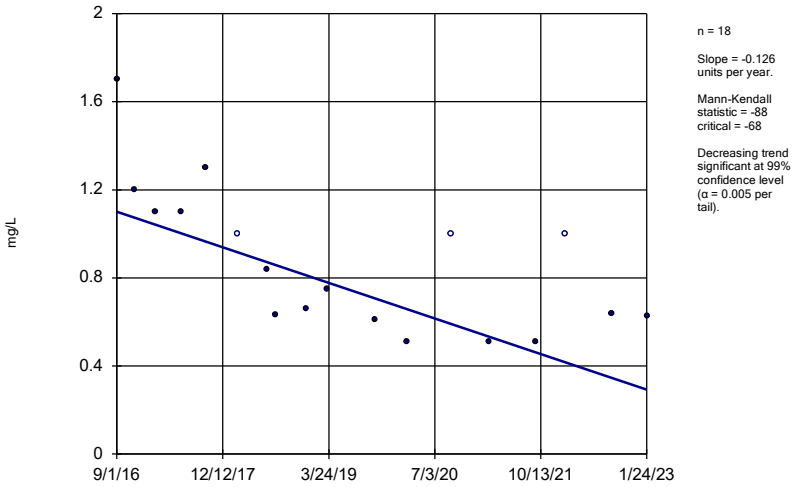
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = -0.126 units per year.

Mann-Kendall statistic = -88
critical = -68

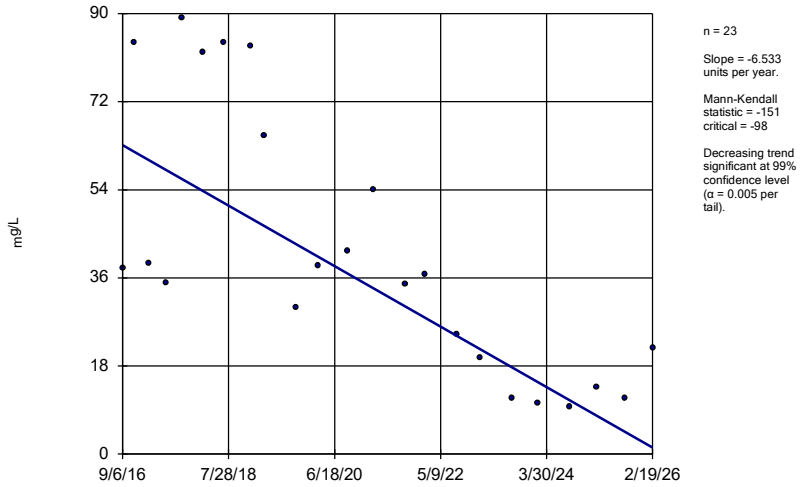
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -6.533 units per year.

Mann-Kendall statistic = -151
critical = -98

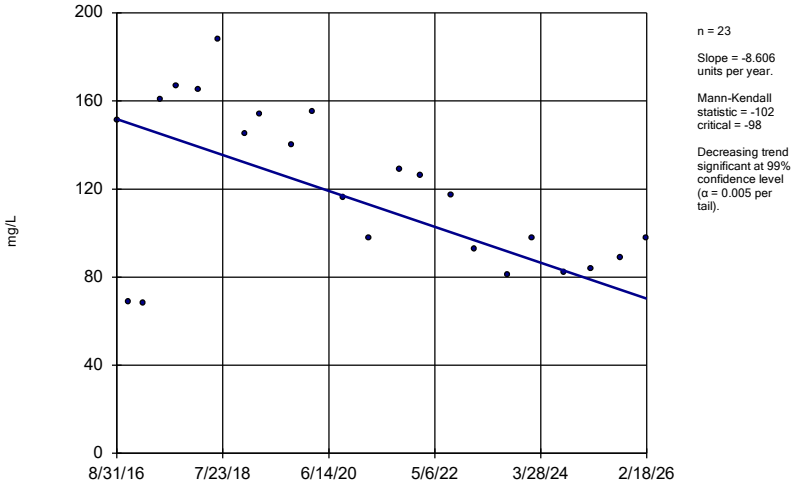
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = -8.606 units per year.

Mann-Kendall statistic = -102 critical = -98

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

Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

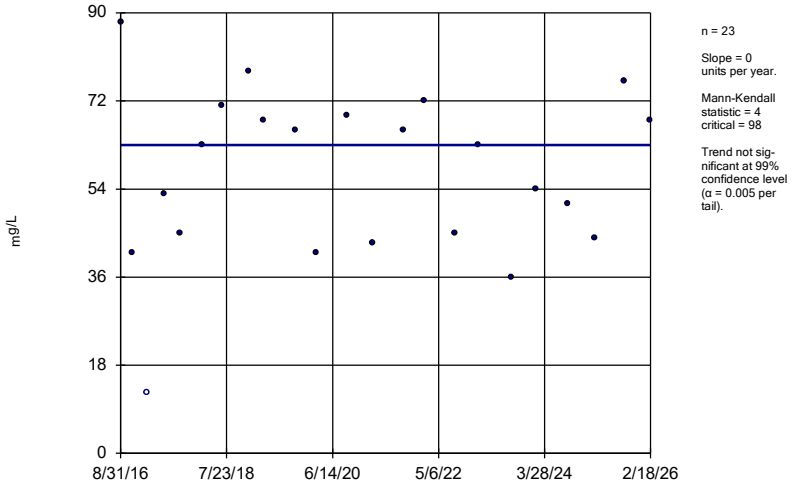
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 4 critical = 98

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

Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

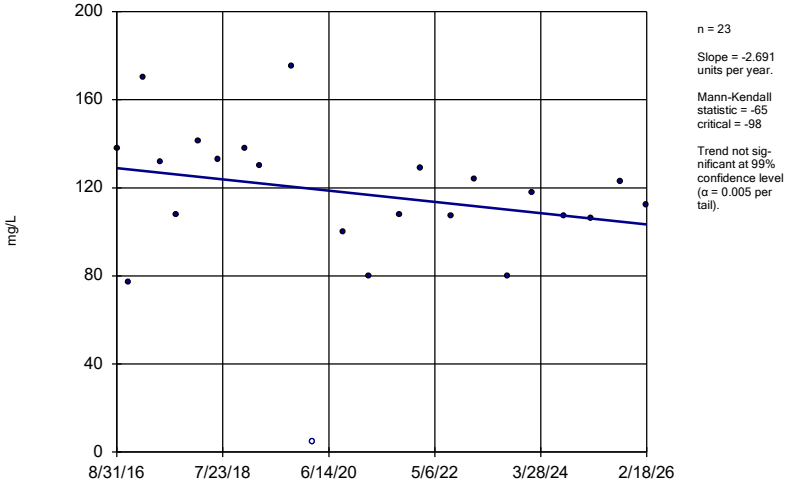
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -2.691 units per year.

Mann-Kendall statistic = -65 critical = -98

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

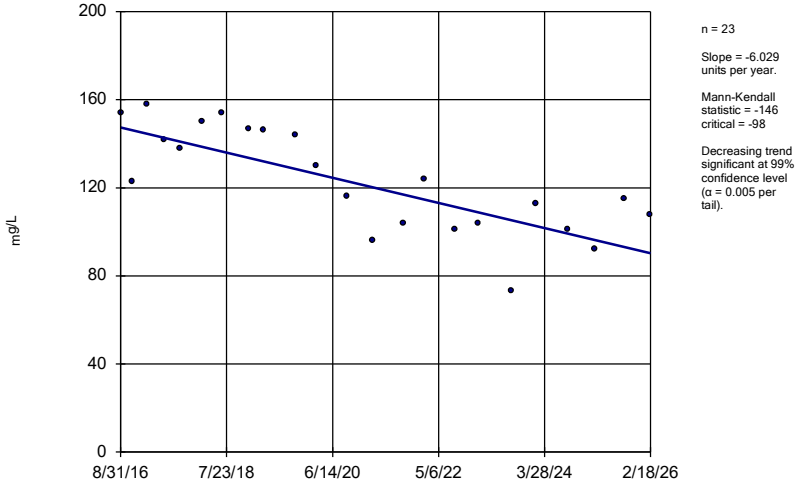
Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -6.029 units per year.

Mann-Kendall statistic = -146 critical = -98

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

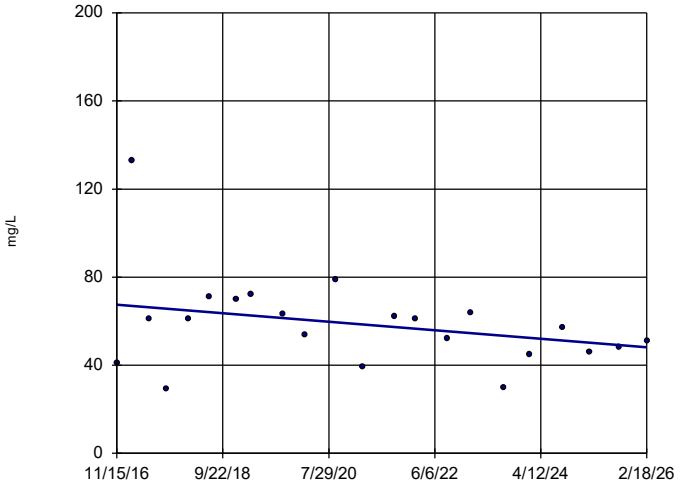
Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 22

Slope = -2.075 units per year.

Mann-Kendall statistic = -54
critical = -92

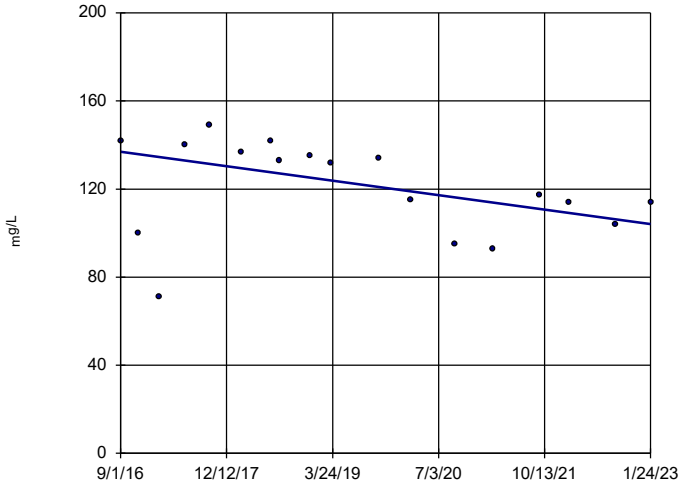
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -5.117 units per year.

Mann-Kendall statistic = -61
critical = -68

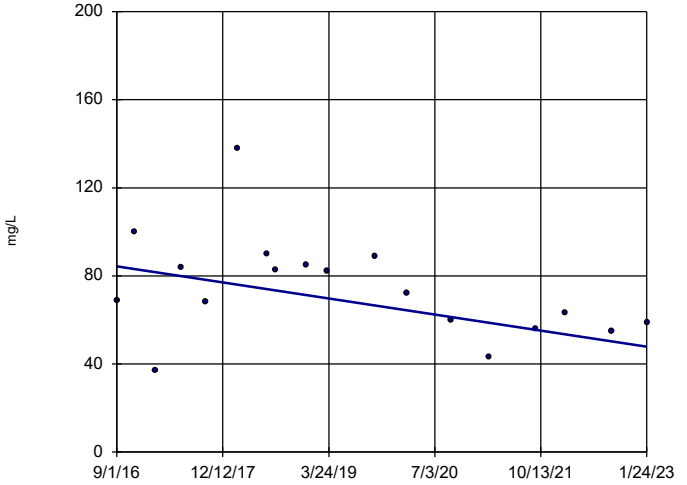
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = -5.699 units per year.

Mann-Kendall statistic = -57
critical = -68

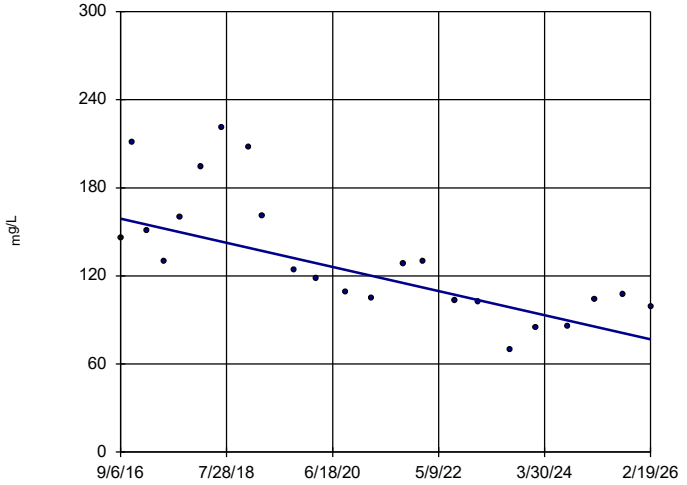
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -8.69 units per year.

Mann-Kendall statistic = -150
critical = -98

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

Constituent: TDS Analysis Run 4/8/2026 3:03 PM View: Appendix III - Upgradient Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	BRGWA-12I (bg)	0.002581	113	53	Yes	18	27.78	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-2I (bg)	-0.001188	-170	-81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-2S (bg)	0.0004191	135	81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-5S (bg)	-0.002721	-191	-81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-6S (bg)	0.0001442	82	81	Yes	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-12S (bg)	0.001374	85	53	Yes	18	0	n/a	n/a	0.05	NP
Barium (mg/L)	BRGWA-23S (bg)	-0.006601	-147	-81	Yes	24	0	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-2S (bg)	0.0004008	91	81	Yes	24	4.167	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-5S (bg)	0.0003318	169	81	Yes	24	4.167	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-6S (bg)	-0.0002163	-135	-81	Yes	24	0	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-12I (bg)	0.0003234	70	53	Yes	18	22.22	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-12S (bg)	0.0003129	97	53	Yes	18	16.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-2I (bg)	-0.0001443	-108	-81	Yes	24	50	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-2S (bg)	-0.0002261	-168	-81	Yes	24	8.333	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-5I (bg)	-0.00007674	-125	-76	Yes	23	4.348	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-23S (bg)	-0.0003628	-134	-81	Yes	24	37.5	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-2S (bg)	0.09458	86	81	Yes	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-5I (bg)	0.1465	108	81	Yes	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-6S (bg)	0.1562	122	81	Yes	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-23S (bg)	0.2089	147	81	Yes	24	0	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-12S (bg)	0	63	58	Yes	19	63.16	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-2I (bg)	-0.003523	-124	-81	Yes	24	0	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-6S (bg)	0.0001165	124	81	Yes	24	8.333	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-2I (bg)	-0.000216	-129	-81	Yes	24	29.17	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-5I (bg)	-0.0004223	-196	-81	Yes	24	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-23S (bg)	0	-97	-76	Yes	23	73.91	n/a	n/a	0.05	NP

Appendix IV Trend Tests - Upgradient Wells - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	BRGWA-2I (bg)	0	28	81	No	24	87.5	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-2S (bg)	0	17	81	No	24	91.67	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-5S (bg)	0	11	81	No	24	91.67	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Antimony (mg/L)	**BRGWA-12I (bg)**	**0.002581**	**113**	**53**	**Yes**	**18**	**27.78**	**n/a**	**n/a**	**0.05**	**NP**
Antimony (mg/L)	BRGWA-12S (bg)	0	14	53	No	18	83.33	n/a	n/a	0.05	NP
Antimony (mg/L)	BRGWA-23S (bg)	0	9	81	No	24	91.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-2I (bg)	0	51	81	No	24	75	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-2S (bg)	0	18	81	No	24	87.5	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-5I (bg)	0	49	81	No	24	75	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-5S (bg)	0	49	81	No	24	75	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-6S (bg)	0	22	81	No	24	83.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-12I (bg)	0	7	53	No	18	72.22	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-12S (bg)	0	6	53	No	18	83.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	BRGWA-23S (bg)	0	55	81	No	24	75	n/a	n/a	0.05	NP
Barium (mg/L)	**BRGWA-2I (bg)**	**-0.001188**	**-170**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BRGWA-2S (bg)**	**0.0004191**	**135**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	BRGWA-5I (bg)	-0.000613	-69	-81	No	24	0	n/a	n/a	0.05	NP
Barium (mg/L)	**BRGWA-5S (bg)**	**-0.002721**	**-191**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BRGWA-6S (bg)**	**0.0001442**	**82**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	BRGWA-12I (bg)	-0.001304	-34	-53	No	18	0	n/a	n/a	0.05	NP
Barium (mg/L)	**BRGWA-12S (bg)**	**0.001374**	**85**	**53**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**BRGWA-23S (bg)**	**-0.006601**	**-147**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Beryllium (mg/L)	BRGWA-23S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cadmium (mg/L)	BRGWA-23S (bg)	0	19	81	No	24	91.67	n/a	n/a	0.05	NP
Chromium (mg/L)	BRGWA-2I (bg)	0	15	81	No	24	54.17	n/a	n/a	0.05	NP
Chromium (mg/L)	**BRGWA-2S (bg)**	**0.0004008**	**91**	**81**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	BRGWA-5I (bg)	0.000009489	10	81	No	24	4.167	n/a	n/a	0.05	NP
Chromium (mg/L)	**BRGWA-5S (bg)**	**0.0003318**	**169**	**81**	**Yes**	**24**	**4.167**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BRGWA-6S (bg)**	**-0.0002163**	**-135**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BRGWA-12I (bg)**	**0.0003234**	**70**	**53**	**Yes**	**18**	**22.22**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**BRGWA-12S (bg)**	**0.0003129**	**97**	**53**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	BRGWA-23S (bg)	0	9	81	No	24	62.5	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0001443**	**-108**	**-81**	**Yes**	**24**	**50**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002261**	**-168**	**-81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.00007674**	**-125**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	BRGWA-5S (bg)	0	43	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-6S (bg)	0	10	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0003628**	**-134**	**-81**	**Yes**	**24**	**37.5**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	BRGWA-2I (bg)	0.08217	77	81	No	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**BRGWA-2S (bg)**	**0.09458**	**86**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**BRGWA-5I (bg)**	**0.1465**	**108**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	BRGWA-5S (bg)	0.02282	16	81	No	24	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**BRGWA-6S (bg)**	**0.1562**	**122**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	BRGWA-12I (bg)	-0.05658	-26	-53	No	18	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	BRGWA-12S (bg)	0.1274	46	53	No	18	0	n/a	n/a	0.05	NP
Combined Radium 226 + 228 (pCi/L)	**BRGWA-23S (bg)**	**0.2089**	**147**	**81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	BRGWA-2I (bg)	-0.001822	-72	-85	No	25	44	n/a	n/a	0.05	NP

Appendix IV Trend Tests - Upgradient Wells - All Results

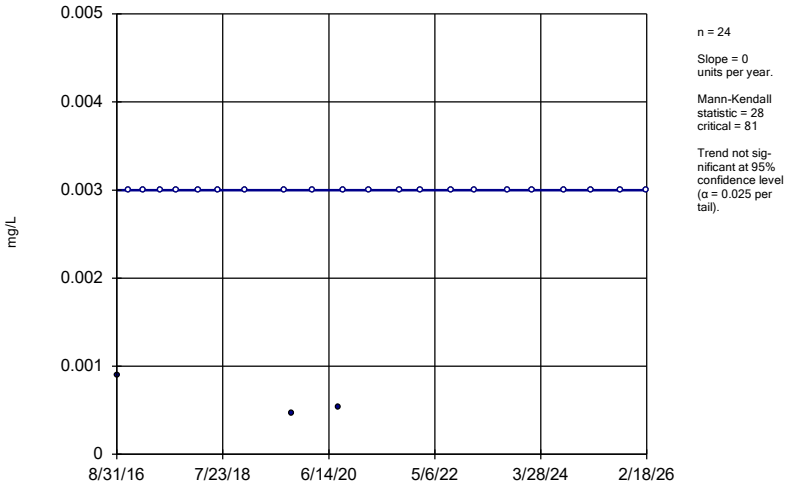
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride (mg/L)	BRGWA-2S (bg)	0	55	85	No	25	48	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-5I (bg)	0	67	85	No	25	56	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-5S (bg)	0	3	85	No	25	28	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-6S (bg)	0	-5	-85	No	25	44	n/a	n/a	0.05	NP
Fluoride (mg/L)	BRGWA-12I (bg)	-0.008595	-35	-58	No	19	21.05	n/a	n/a	0.05	NP
Fluoride (mg/L)	**BRGWA-12S (bg)**	**0**	**63**	**58**	**Yes**	**19**	**63.16**	**n/a**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	BRGWA-23S (bg)	0	18	85	No	25	44	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-2I (bg)	0	31	81	No	24	91.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-2S (bg)	0	21	81	No	24	91.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-5I (bg)	0	-5	-81	No	24	91.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-5S (bg)	0	52	81	No	24	66.67	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-6S (bg)	0	40	81	No	24	87.5	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Lead (mg/L)	BRGWA-23S (bg)	0	7	81	No	24	95.83	n/a	n/a	0.05	NP
Lithium (mg/L)	**BRGWA-2I (bg)**	**-0.003523**	**-124**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-5I (bg)	0	12	81	No	24	29.17	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Lithium (mg/L)	**BRGWA-6S (bg)**	**0.0001165**	**124**	**81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	BRGWA-12I (bg)	-0.0001266	-41	-53	No	18	0	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Lithium (mg/L)	BRGWA-23S (bg)	0.0002495	68	81	No	24	0	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-2I (bg)	0	2	71	No	22	86.36	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-2S (bg)	0	7	71	No	22	90.91	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-5I (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-5S (bg)	0	26	71	No	22	86.36	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-6S (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-12I (bg)	0	6	45	No	16	81.25	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-12S (bg)	0	-9	-45	No	16	93.75	n/a	n/a	0.05	NP
Mercury (mg/L)	BRGWA-23S (bg)	0	-3	-71	No	22	95.45	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**BRGWA-2I (bg)**	**-0.000216**	**-129**	**-81**	**Yes**	**24**	**29.17**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**BRGWA-5I (bg)**	**-0.0004223**	**-196**	**-81**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-12I (bg)	0	-17	-49	No	17	82.35	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BRGWA-12S (bg)	0	0	49	No	17	100	n/a	n/a	0.05	NP
Molybdenum (mg/L)	**BRGWA-23S (bg)**	**0**	**-97**	**-76**	**Yes**	**23**	**73.91**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-23S (bg)	0	3	81	No	24	45.83	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Thallium (mg/L)	BRGWA-23S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP

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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 = 28
critical = 81

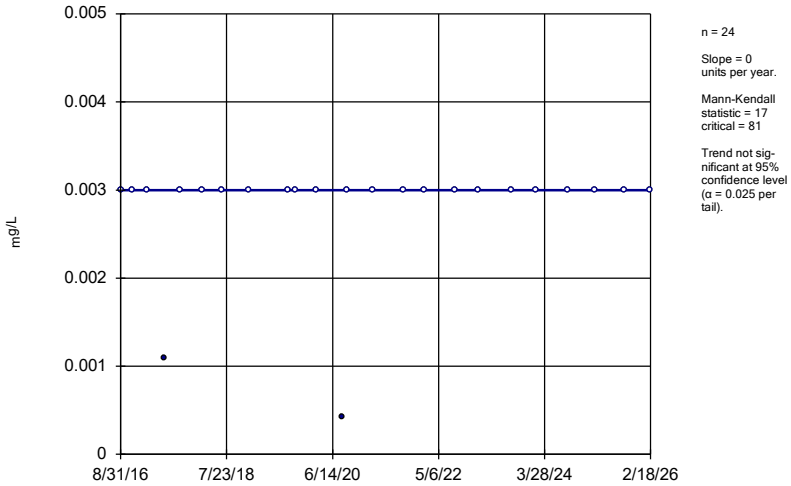
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 17
critical = 81

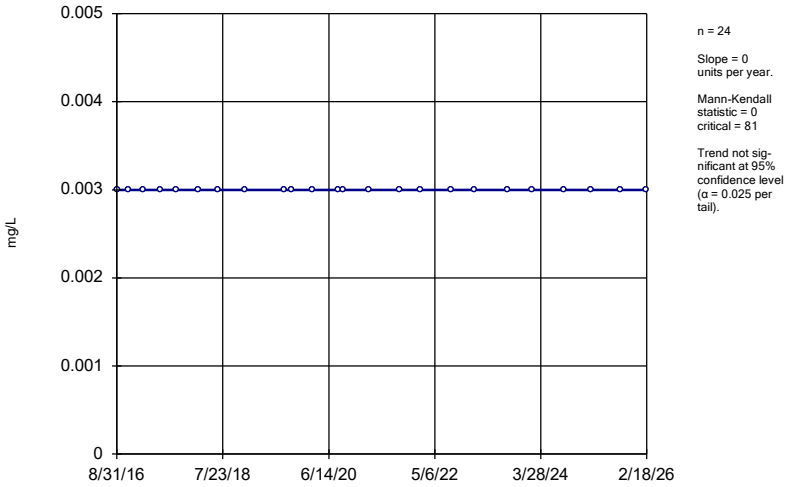
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

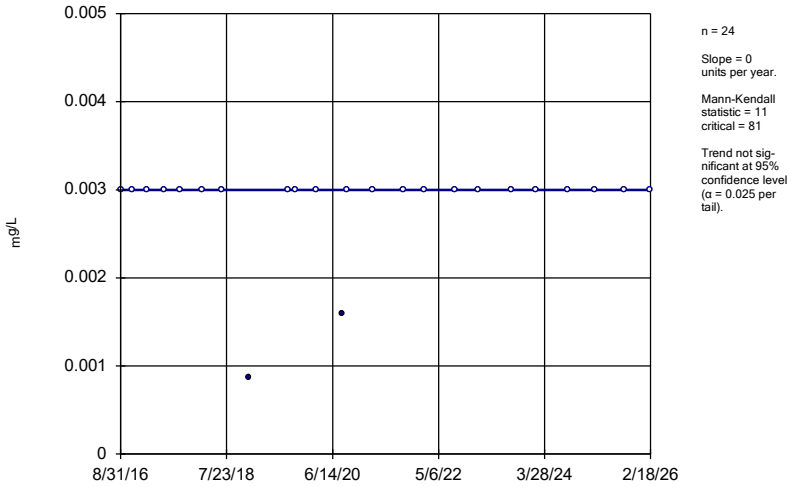
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 11
critical = 81

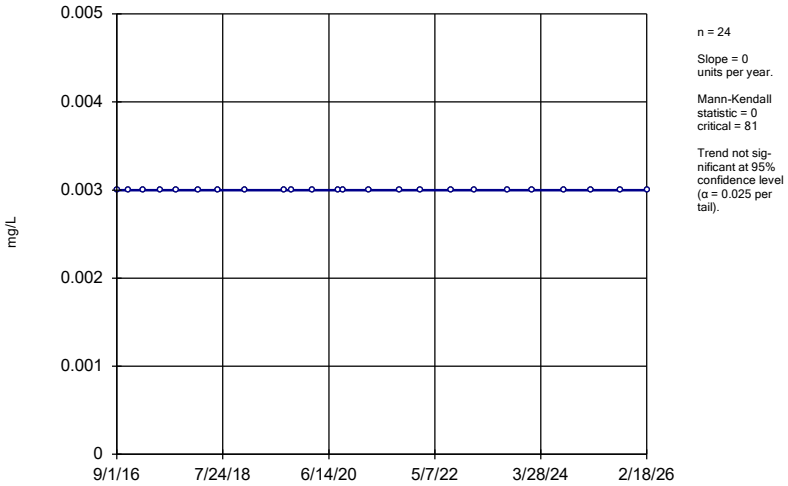
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

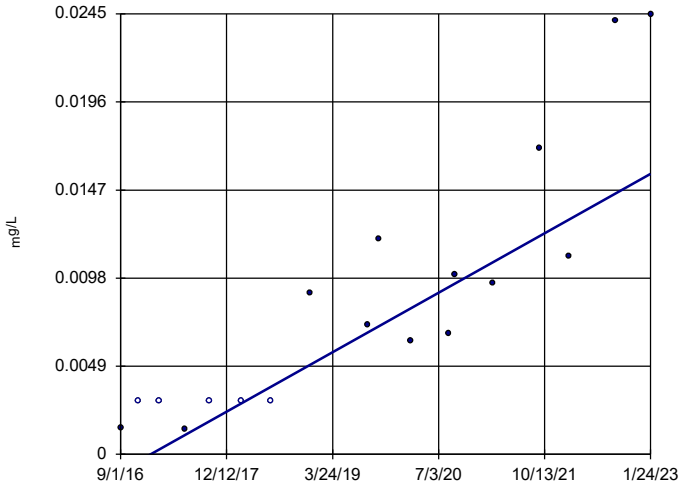
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0.002581 units per year.

Mann-Kendall statistic = 113
critical = 53

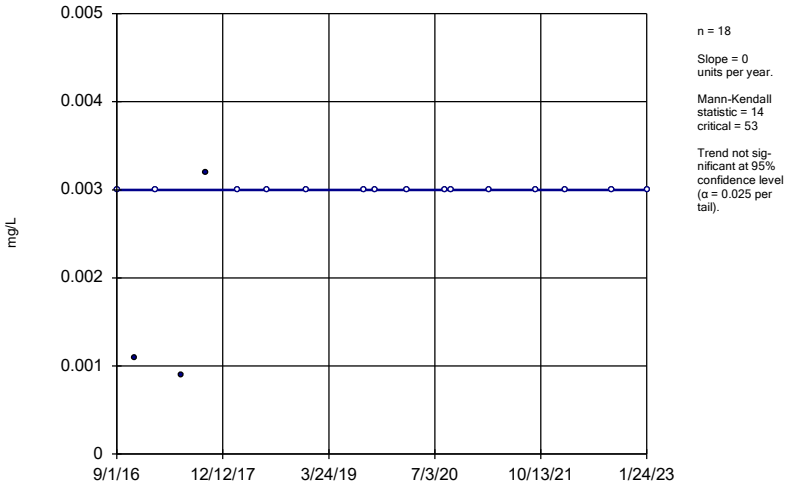
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 14
critical = 53

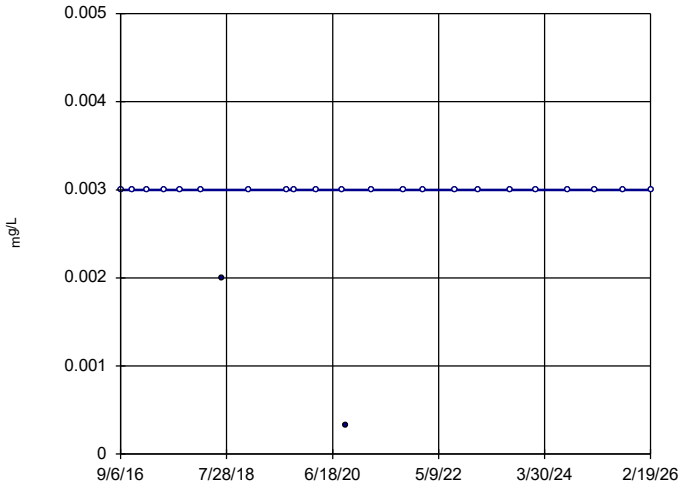
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 81

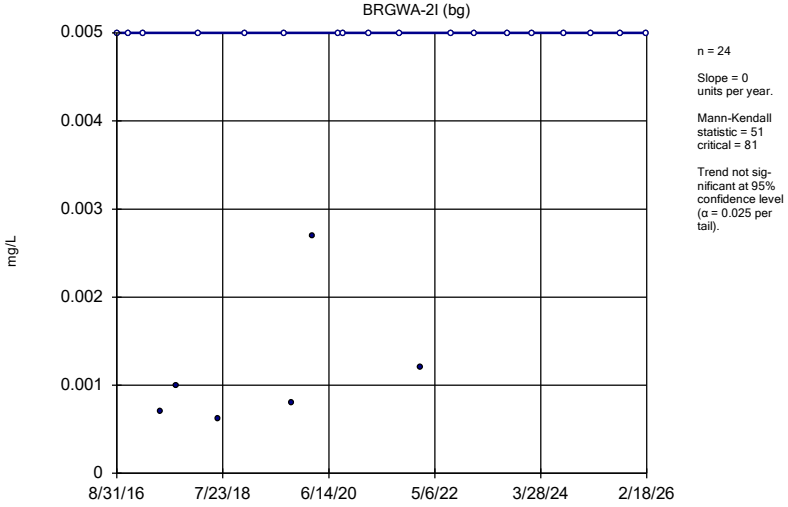
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Antimony Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 51
critical = 81

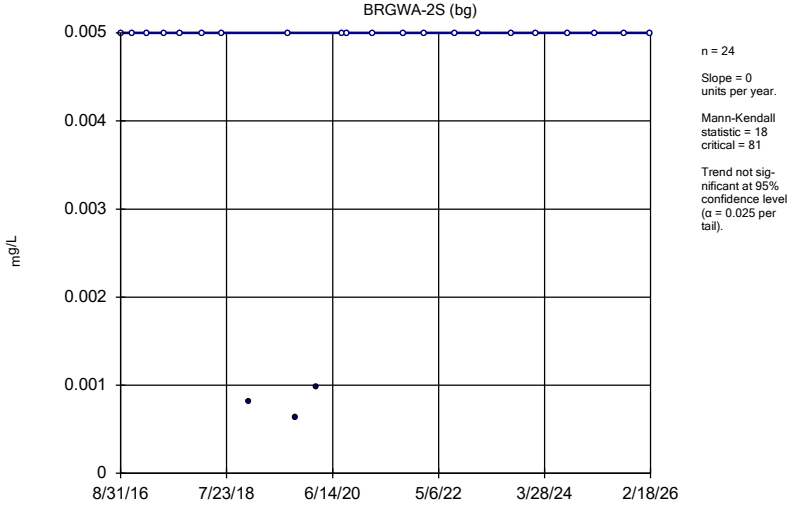
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 18
critical = 81

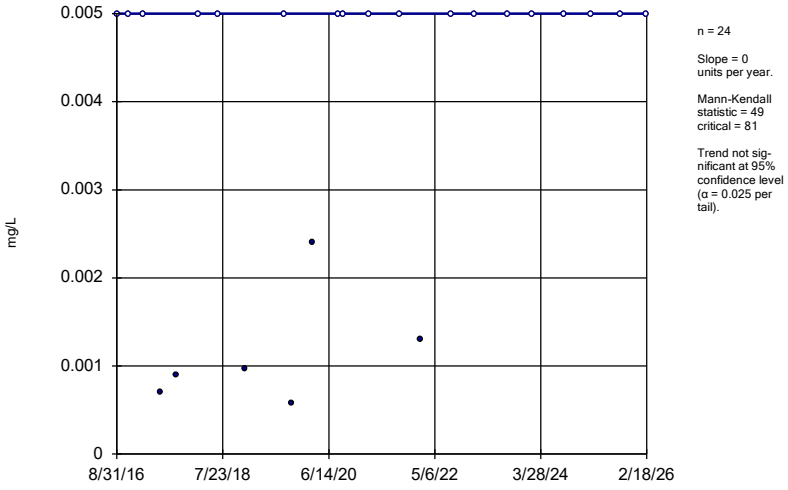
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 49
critical = 81

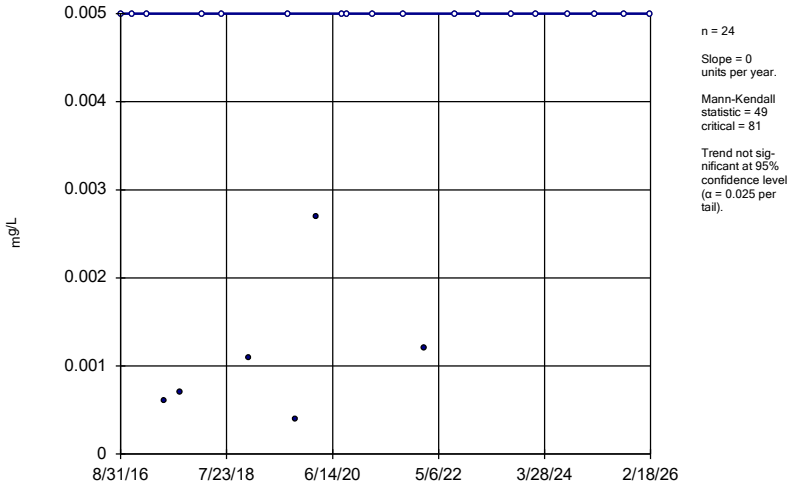
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 49
critical = 81

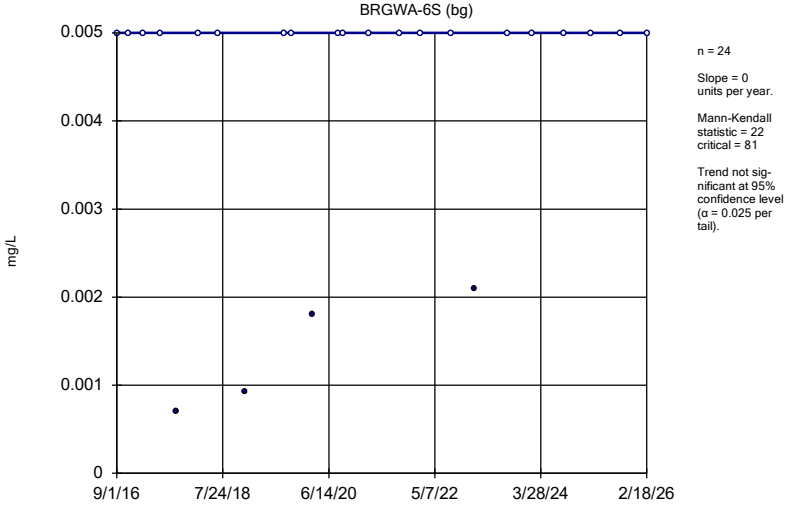
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 22
critical = 81

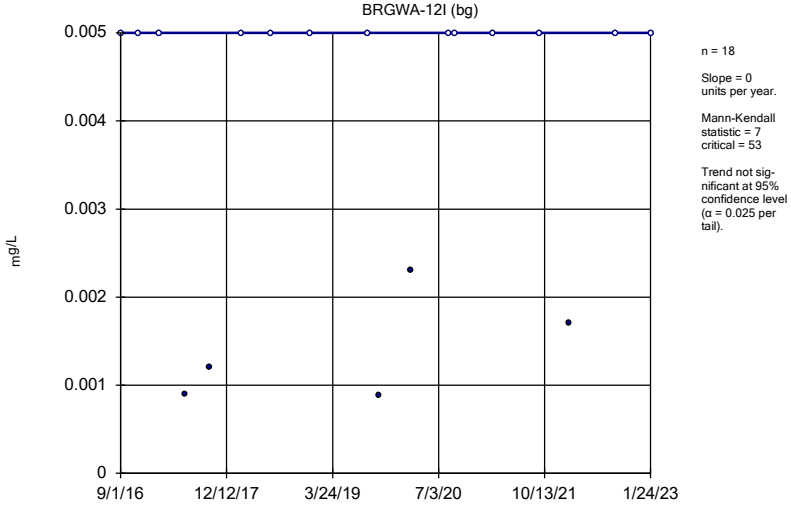
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 7
critical = 53

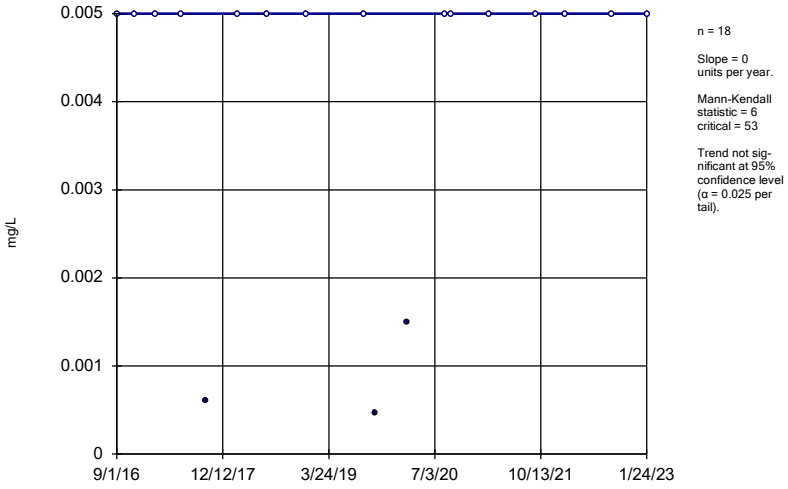
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 6
critical = 53

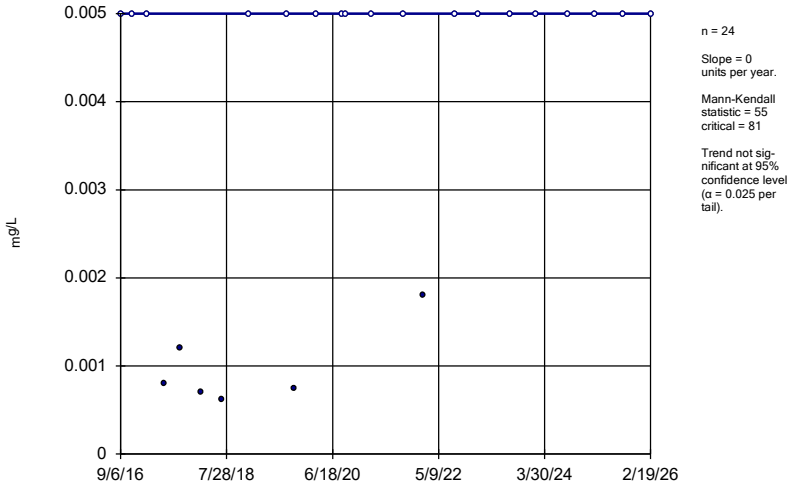
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 55
critical = 81

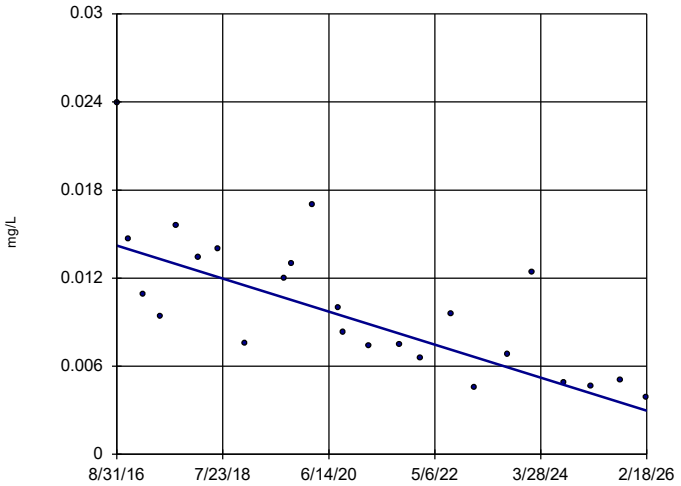
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Arsenic Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = -0.001188 units per year.

Mann-Kendall statistic = -170
critical = -81

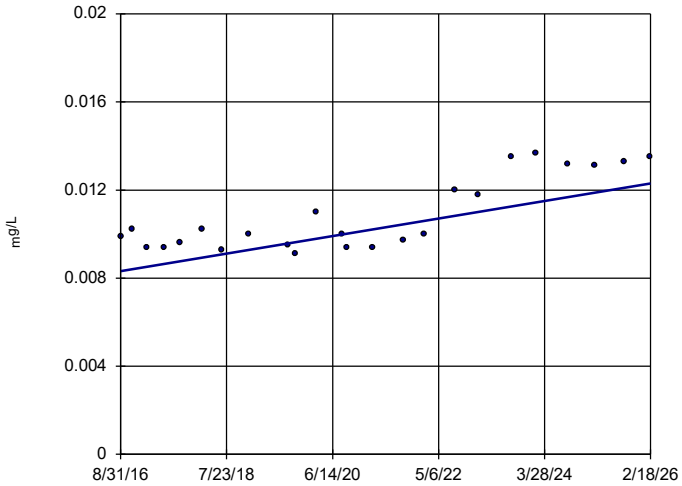
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0.0004191 units per year.

Mann-Kendall statistic = 135
critical = 81

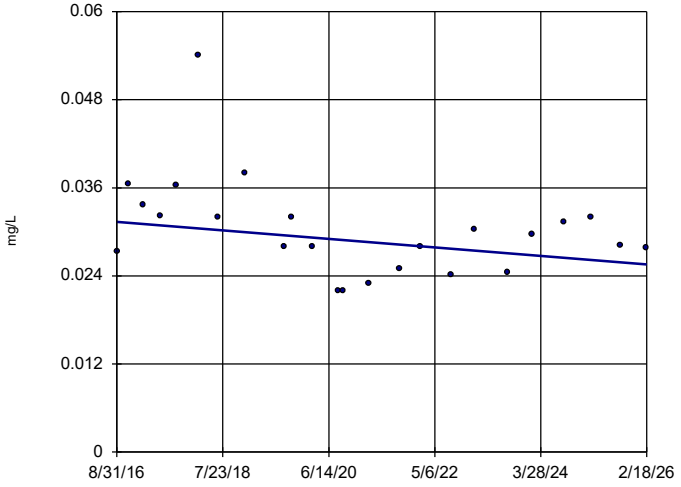
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = -0.000613 units per year.

Mann-Kendall statistic = -69
critical = -81

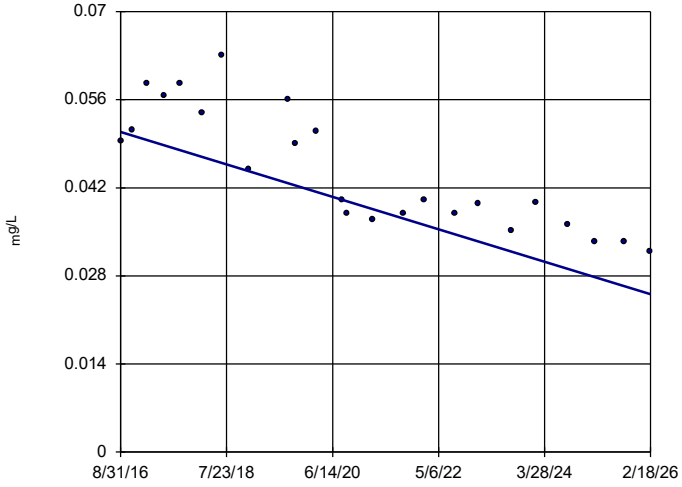
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = -0.002721 units per year.

Mann-Kendall statistic = -191
critical = -81

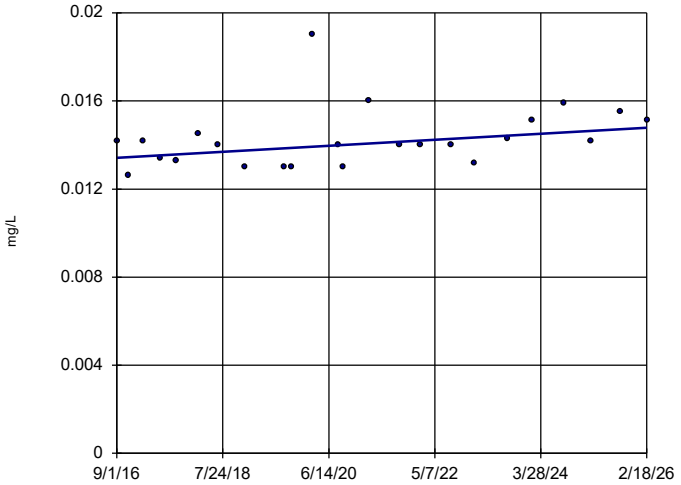
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0.0001442 units per year.

Mann-Kendall statistic = 82 critical = 81

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

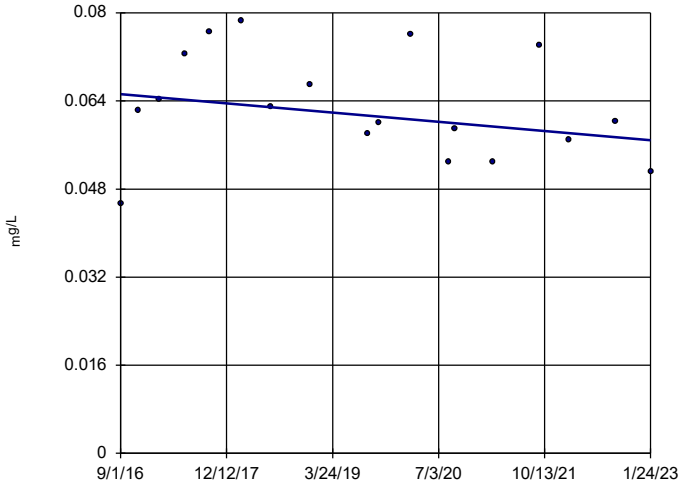
Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.001304 units per year.

Mann-Kendall statistic = -34 critical = -53

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

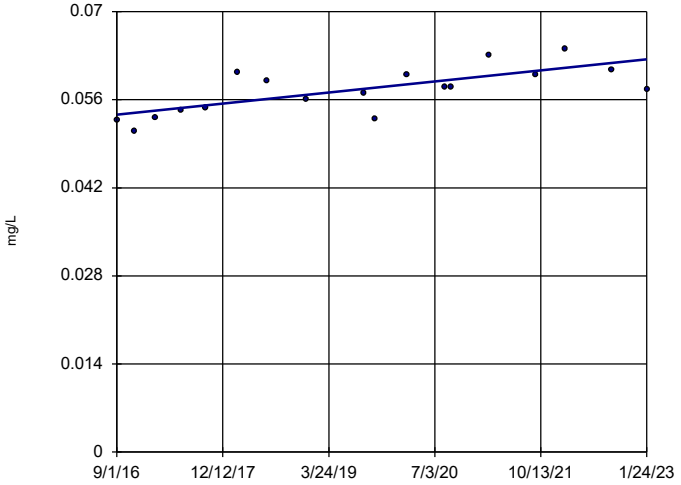
Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.001374 units per year.

Mann-Kendall statistic = 85 critical = 53

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

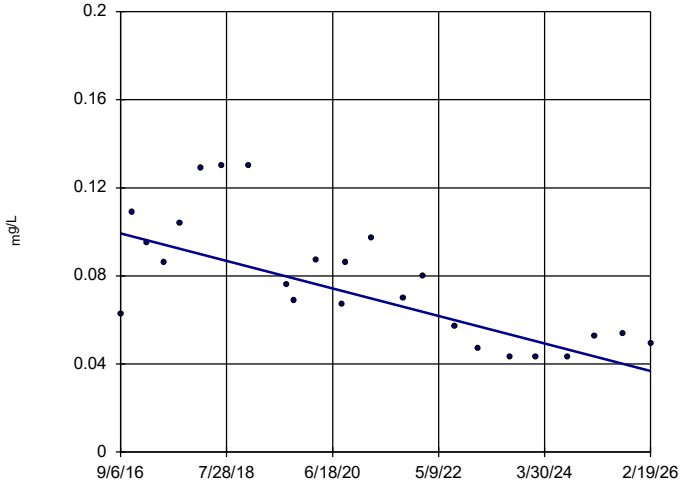
Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = -0.006601 units per year.

Mann-Kendall statistic = -147 critical = -81

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

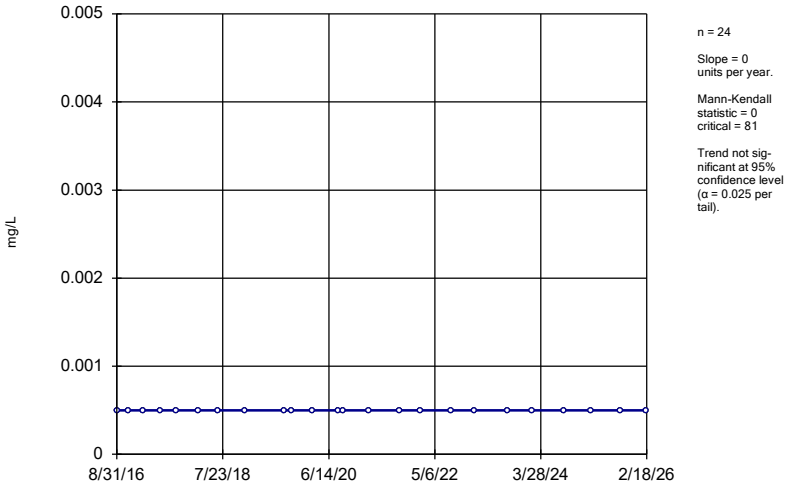
Constituent: Barium Analysis Run 4/8/2026 2:55 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

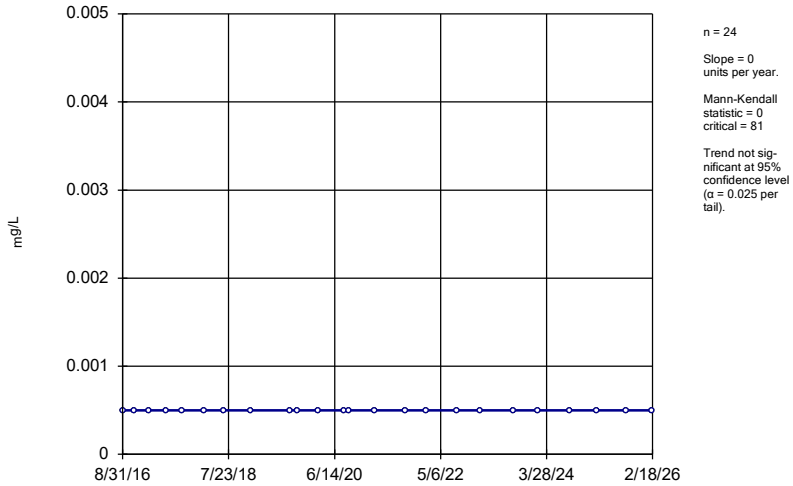
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

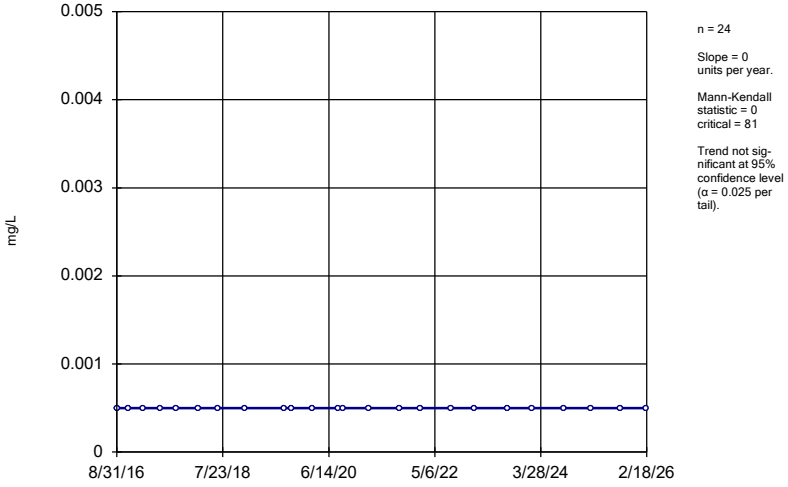
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

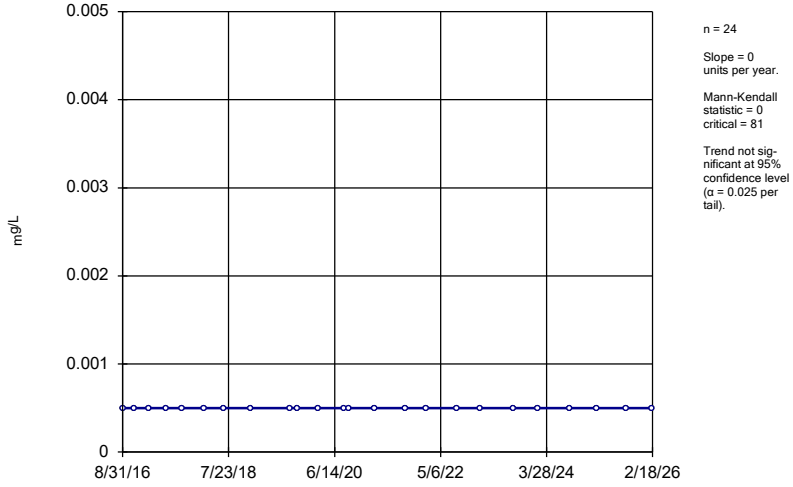
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

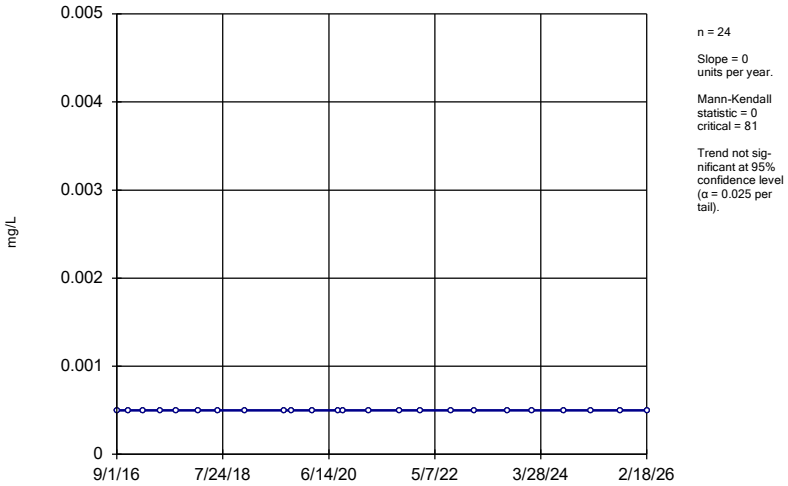
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

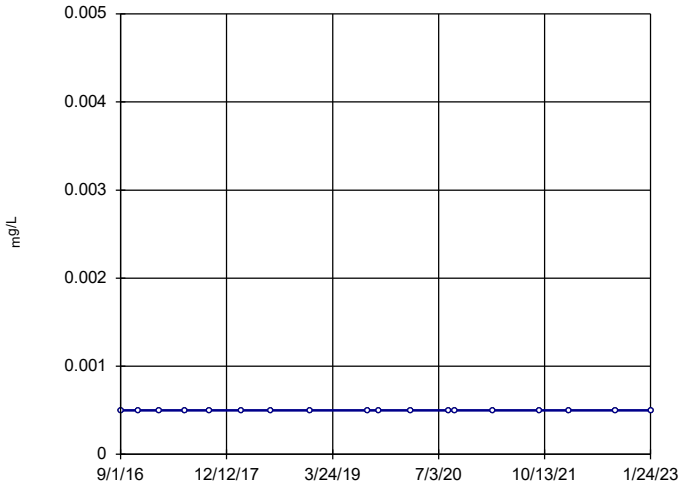
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 53

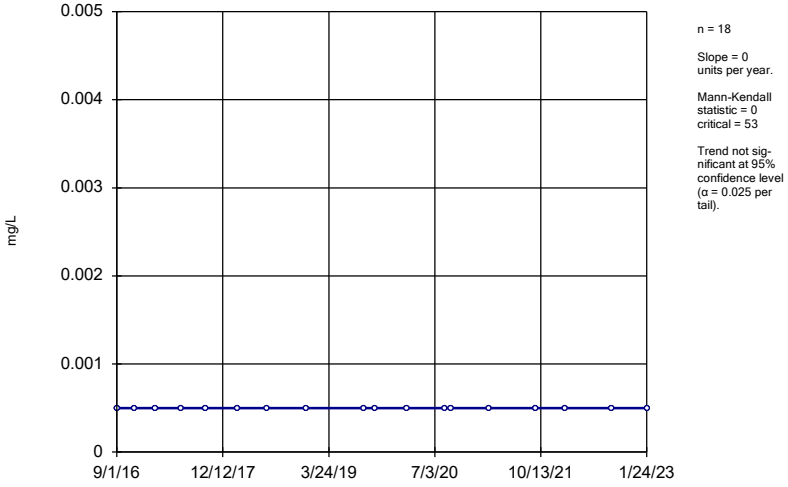
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 53

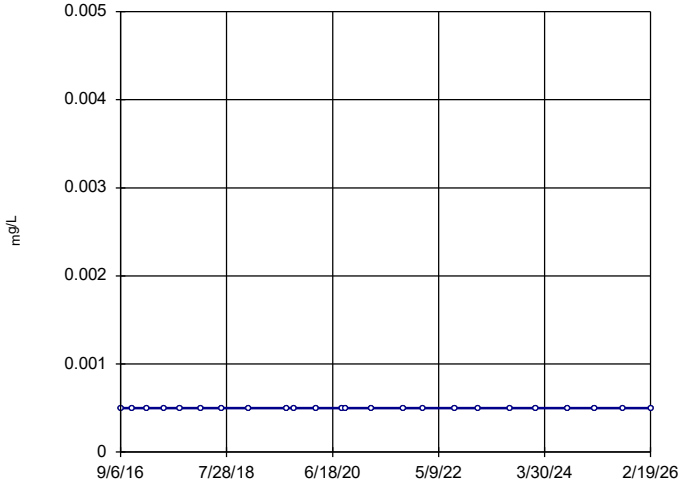
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

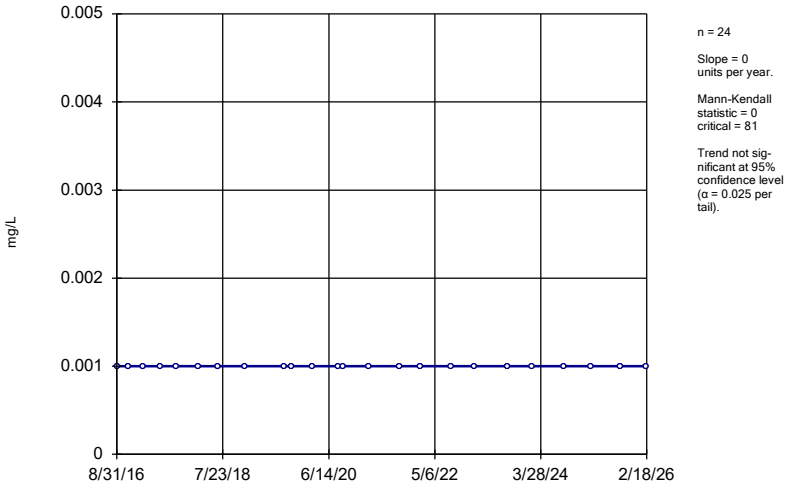
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

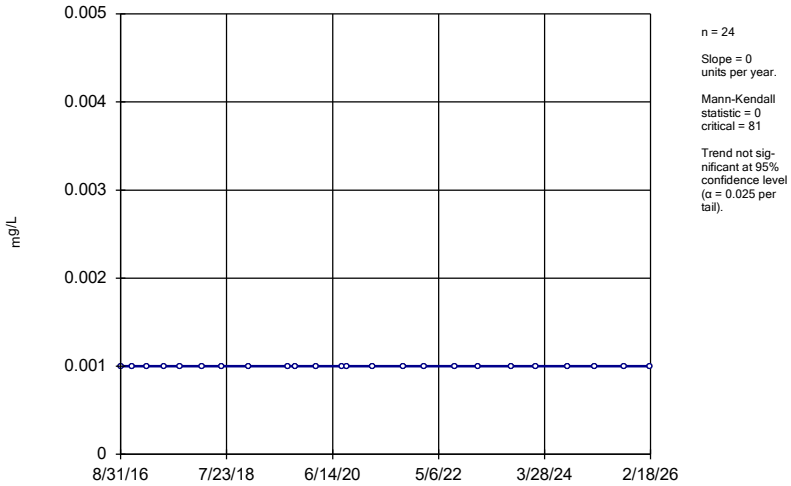
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:55 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

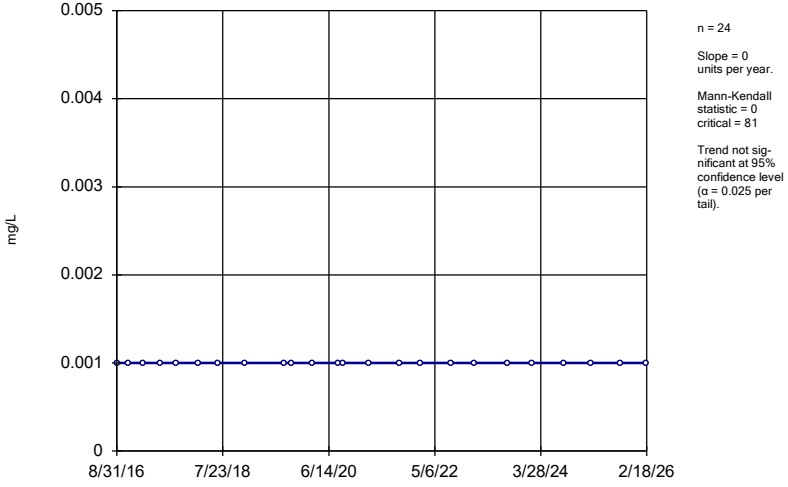
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

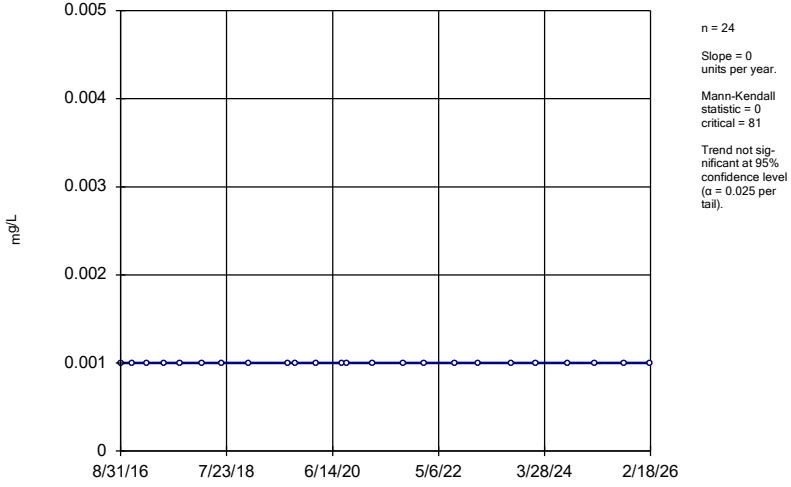
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

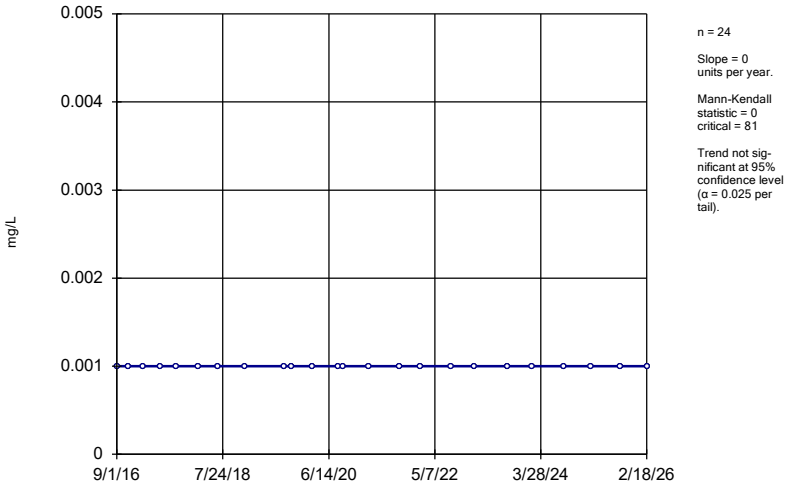
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

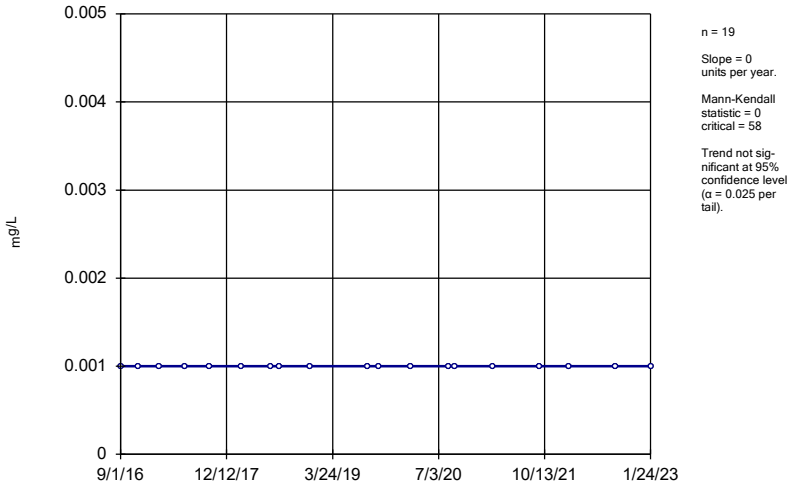
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 58

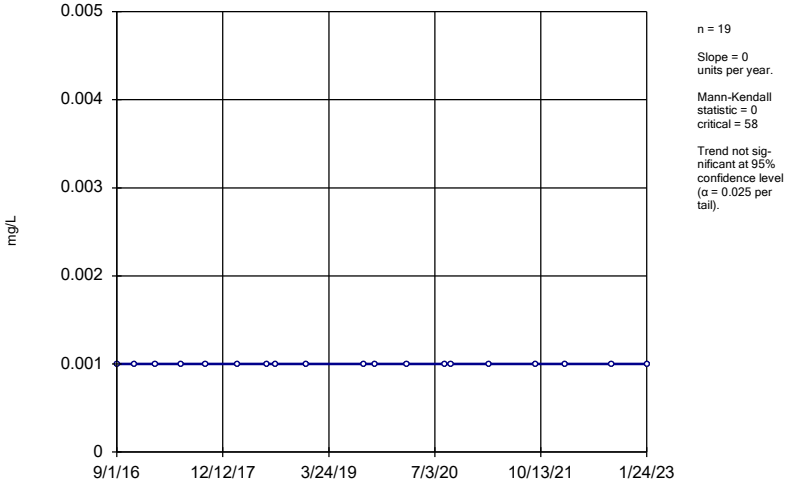
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 58

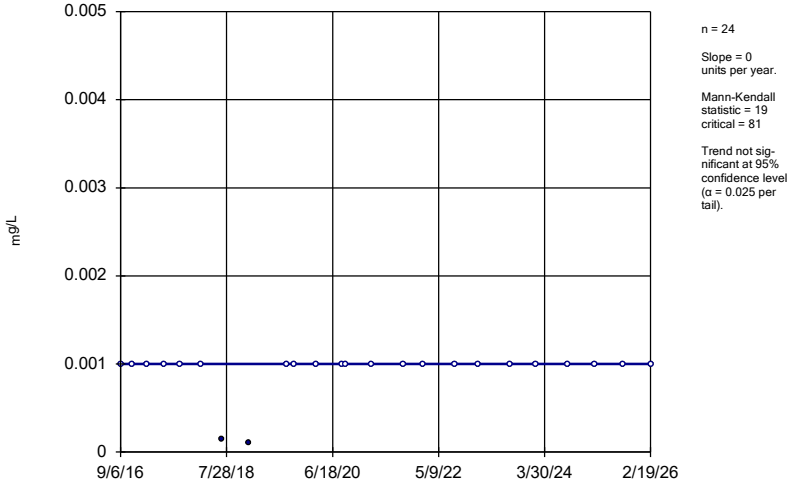
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 19 critical = 81

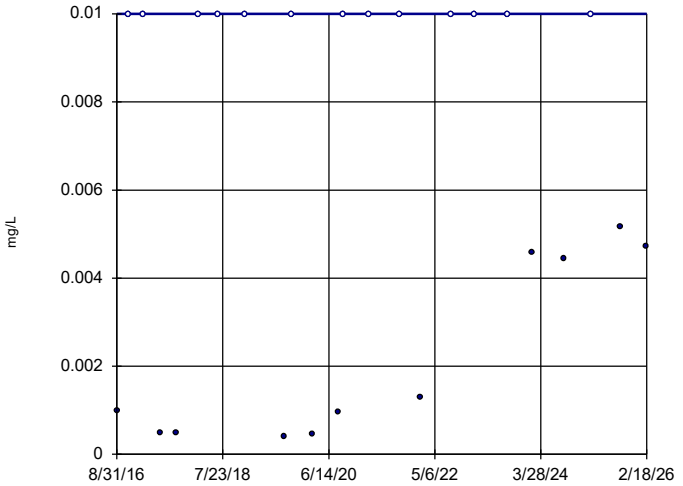
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cadmium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 15
critical = 81

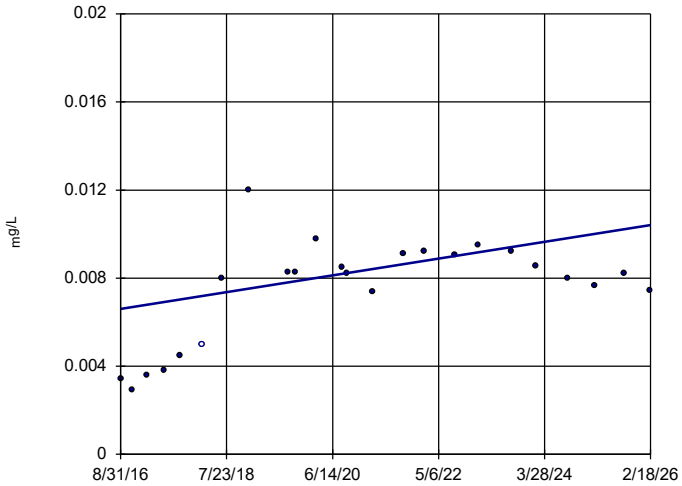
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0.0004008 units per year.

Mann-Kendall statistic = 91
critical = 81

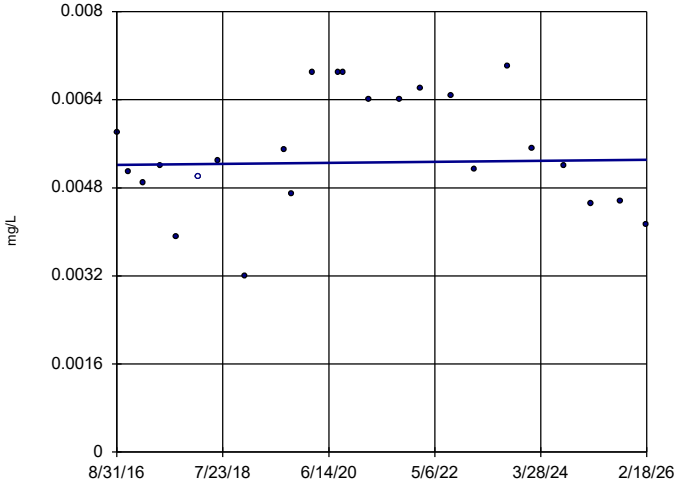
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0.000009489 units per year.

Mann-Kendall statistic = 10
critical = 81

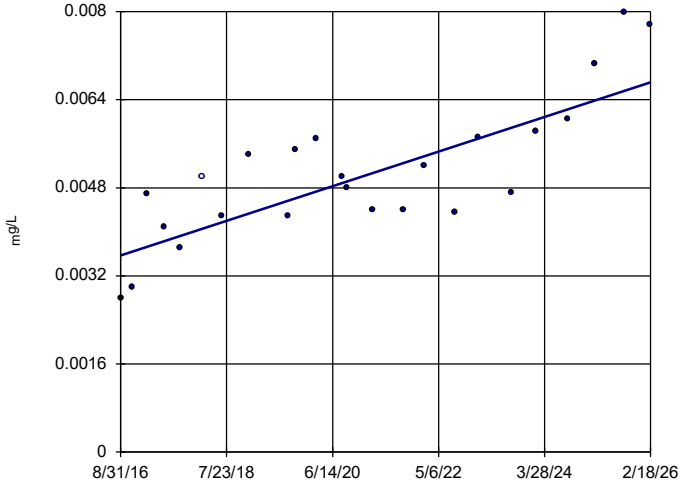
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0.0003318 units per year.

Mann-Kendall statistic = 169
critical = 81

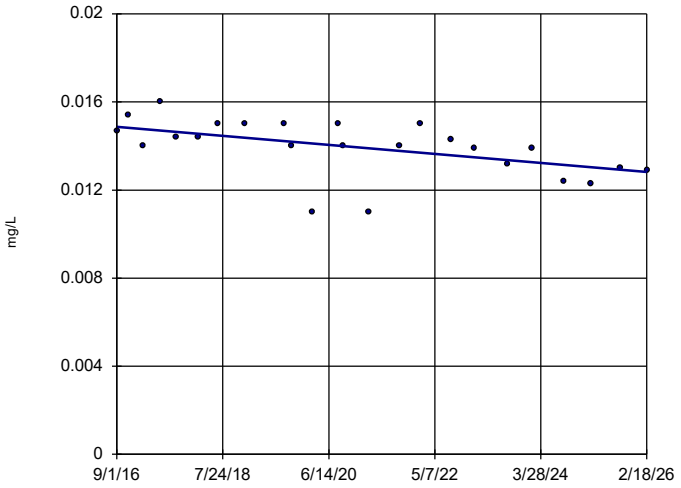
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = -0.0002163 units per year.

Mann-Kendall statistic = -135
critical = -81

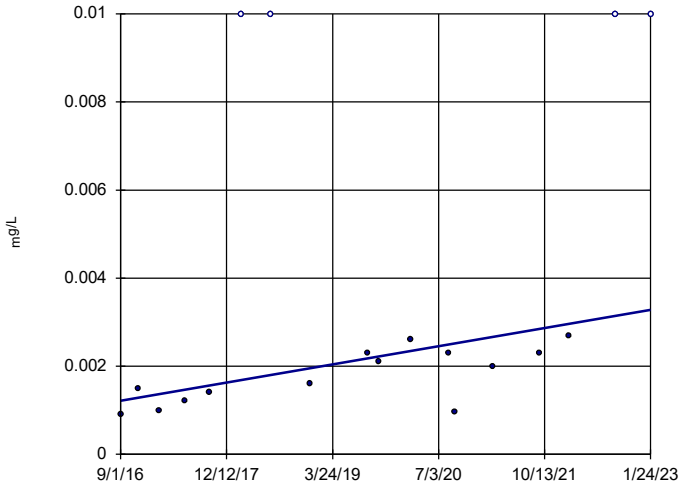
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0.0003234 units per year.

Mann-Kendall statistic = 70
critical = 53

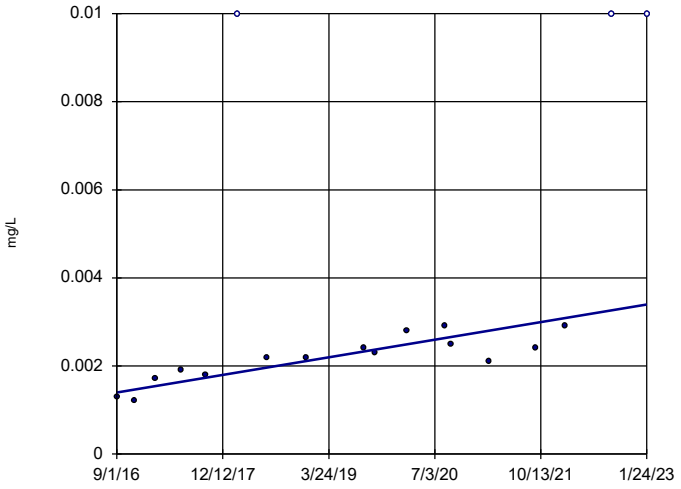
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.0003129 units per year.

Mann-Kendall statistic = 97
critical = 53

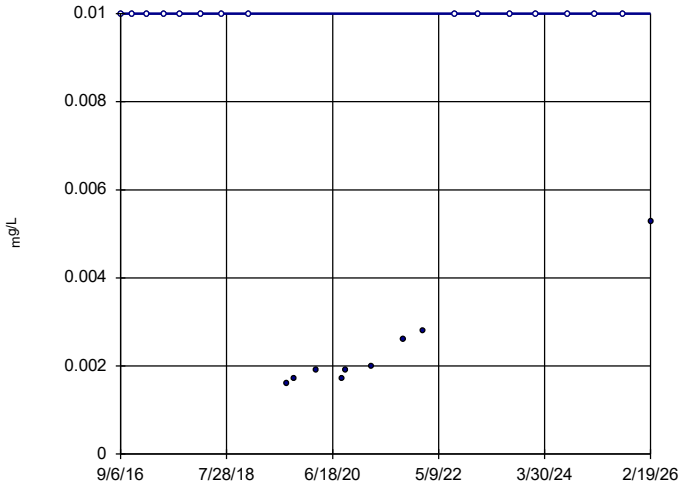
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 81

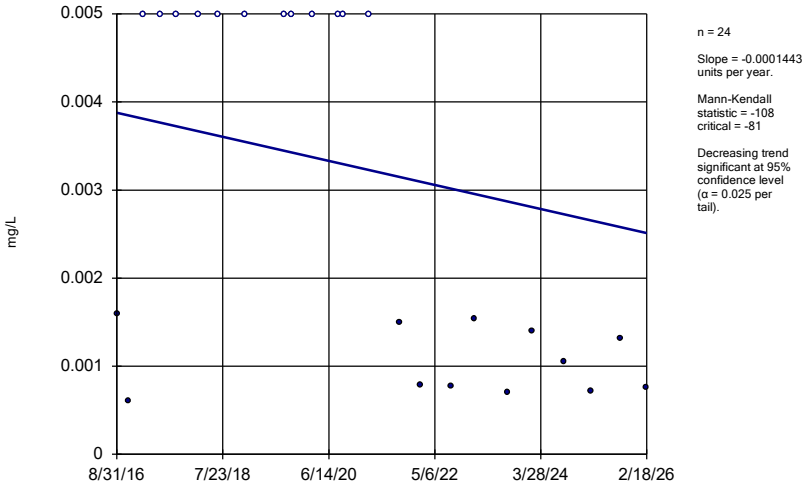
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = -0.0001443 units per year.

Mann-Kendall statistic = -108
critical = -81

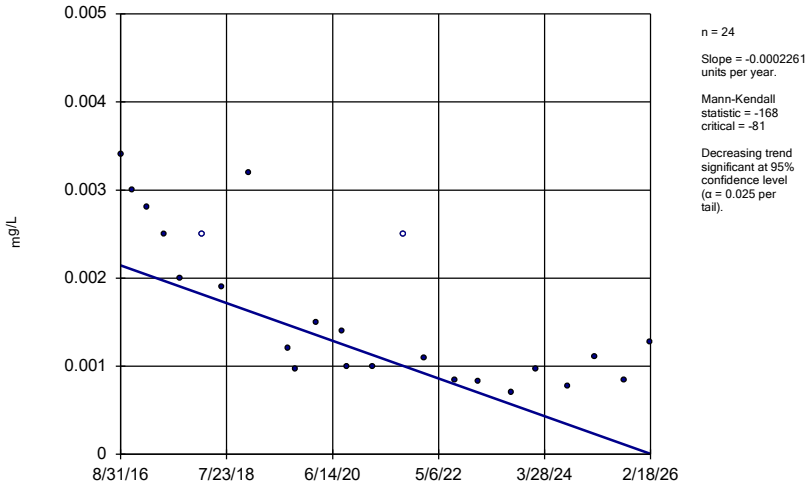
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = -0.0002261 units per year.

Mann-Kendall statistic = -168
critical = -81

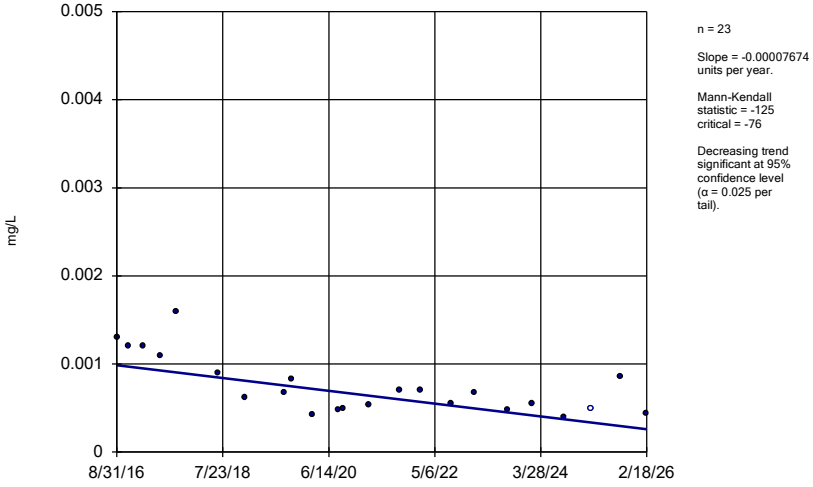
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -0.00007674 units per year.

Mann-Kendall statistic = -125
critical = -76

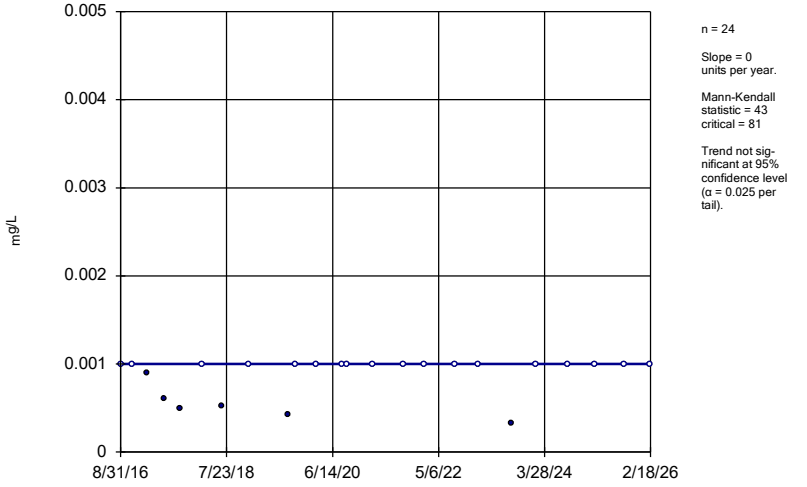
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 43
critical = 81

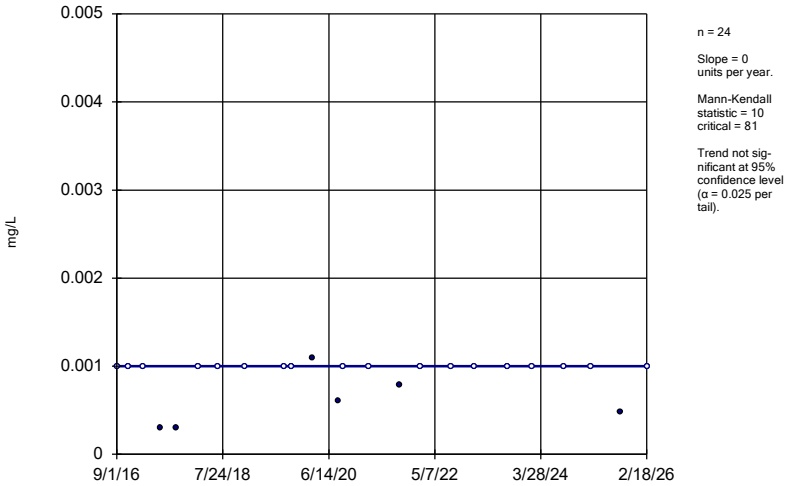
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 10 critical = 81

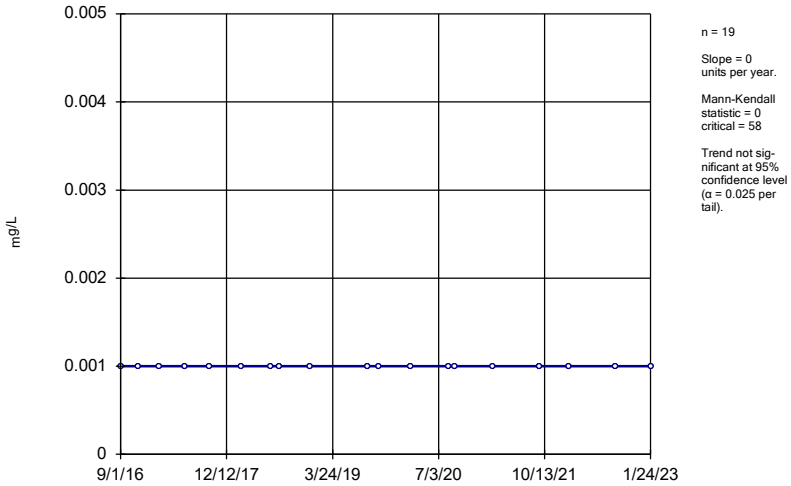
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 58

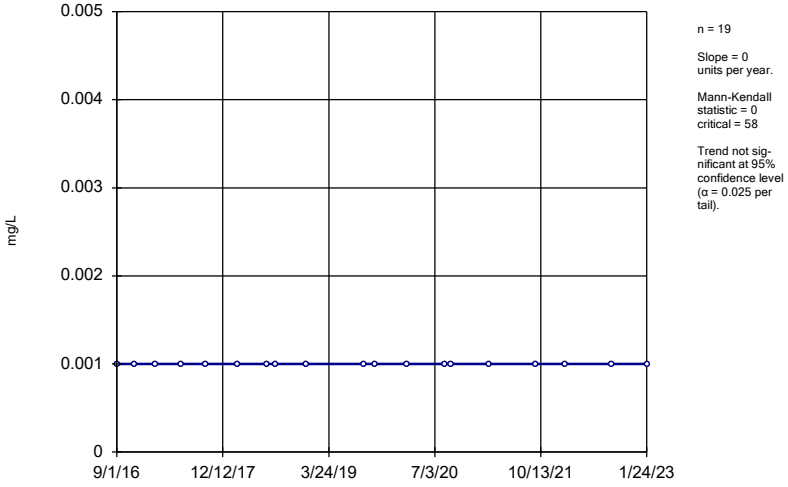
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 58

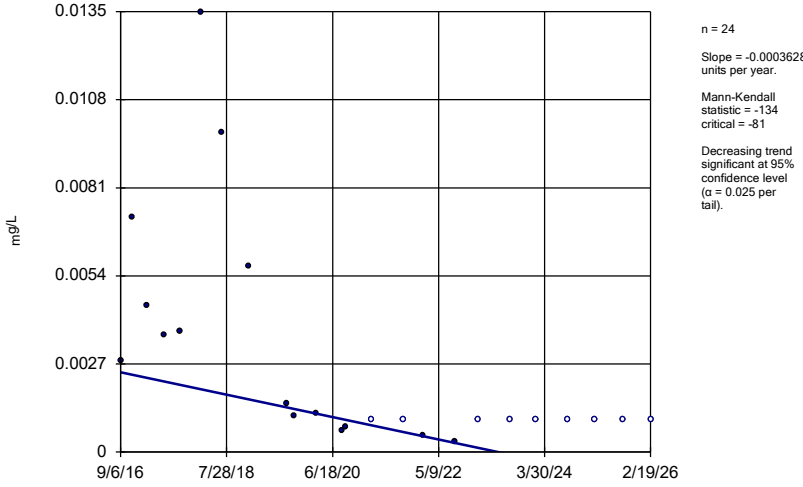
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = -0.0003628 units per year.

Mann-Kendall statistic = -134 critical = -81

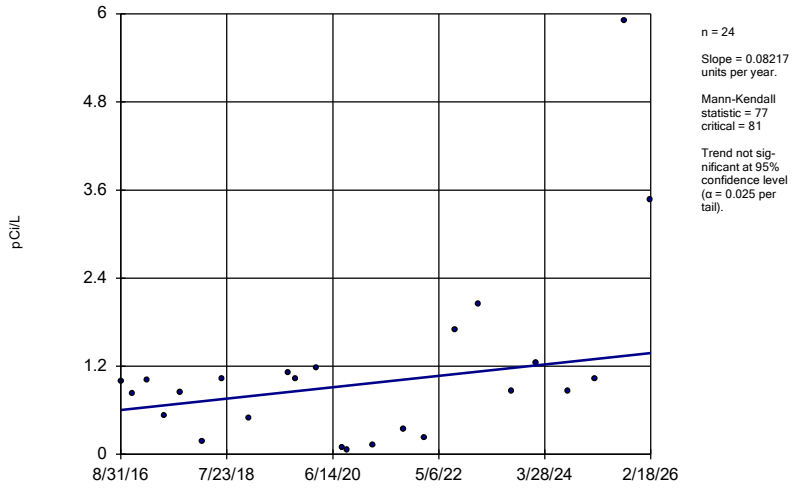
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0.08217 units per year.

Mann-Kendall statistic = 77 critical = 81

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

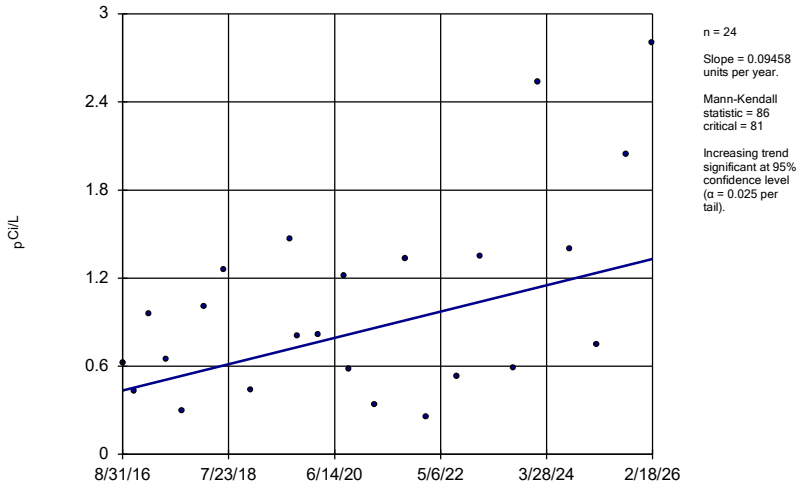
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0.09458 units per year.

Mann-Kendall statistic = 86 critical = 81

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

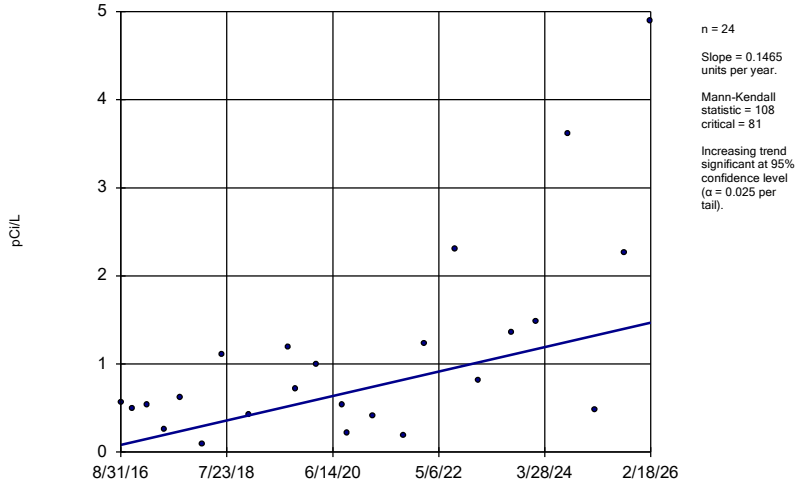
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0.1465 units per year.

Mann-Kendall statistic = 108 critical = 81

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

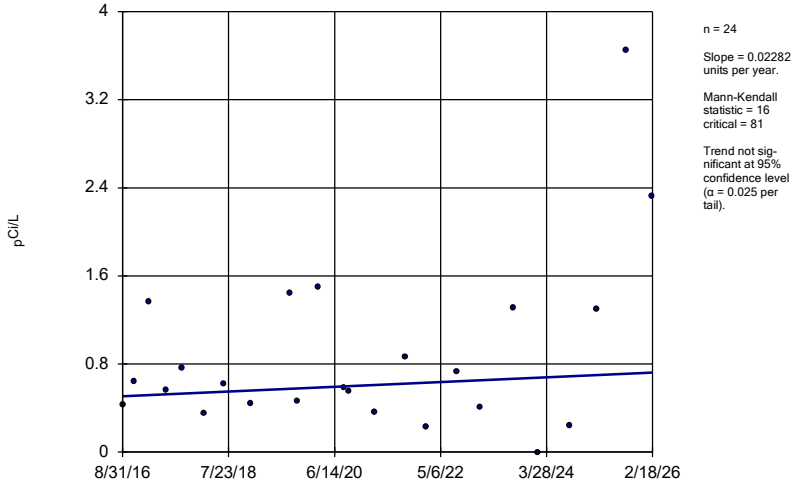
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0.02282 units per year.

Mann-Kendall statistic = 16 critical = 81

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

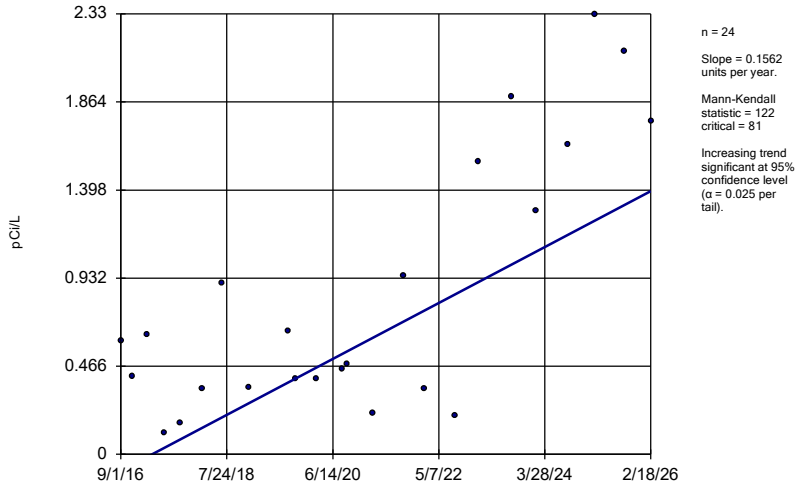
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0.1562 units per year.

Mann-Kendall statistic = 122 critical = 81

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

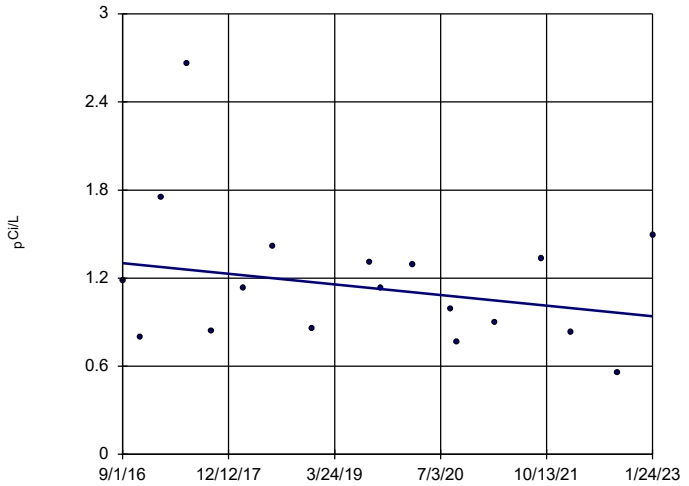
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.05658 units per year.

Mann-Kendall statistic = -26 critical = -53

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

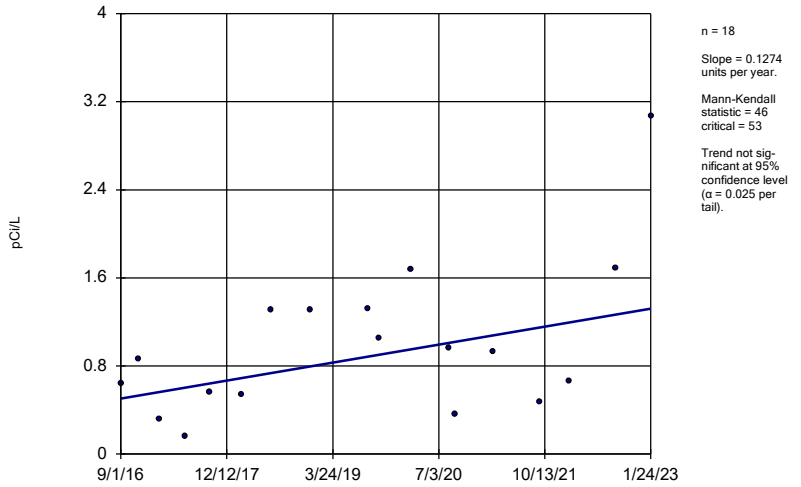
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.1274 units per year.

Mann-Kendall statistic = 46 critical = 53

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

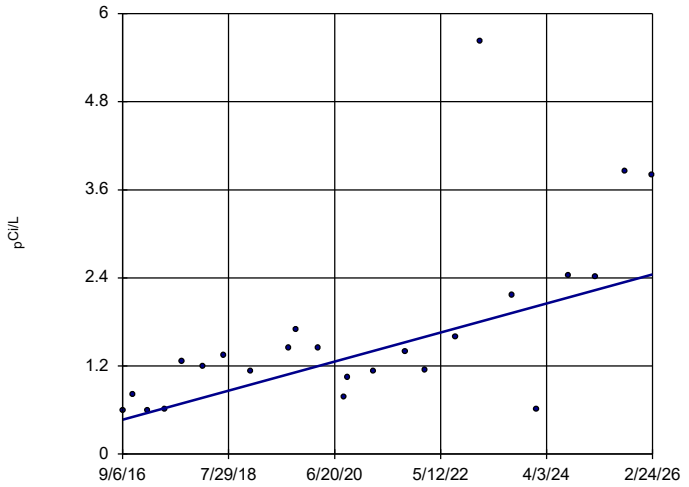
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0.2089 units per year.

Mann-Kendall statistic = 147 critical = 81

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

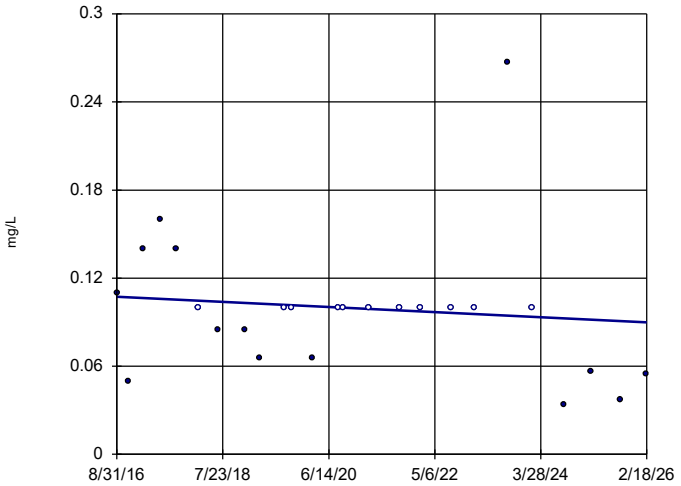
Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 25

Slope = -0.001822 units per year.

Mann-Kendall statistic = -72
critical = -85

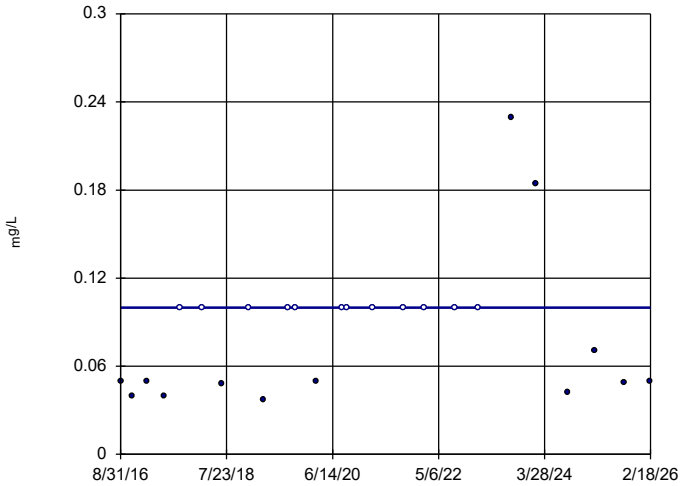
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 55
critical = 85

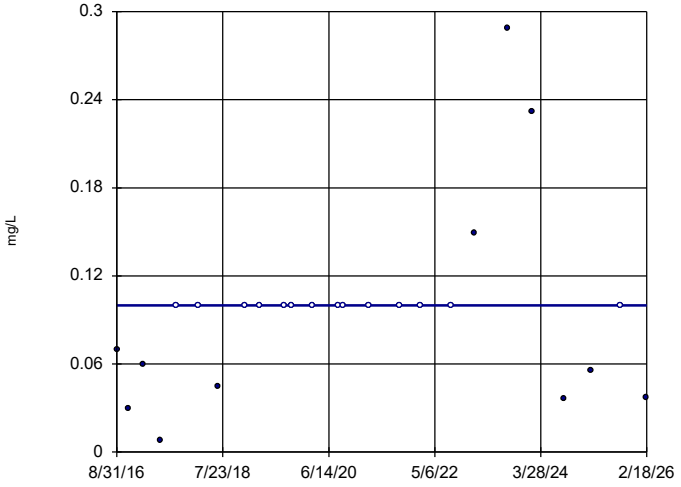
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 67
critical = 85

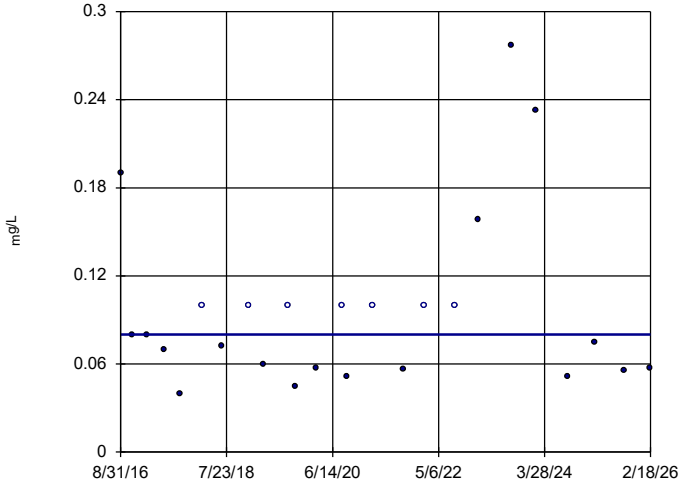
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 85

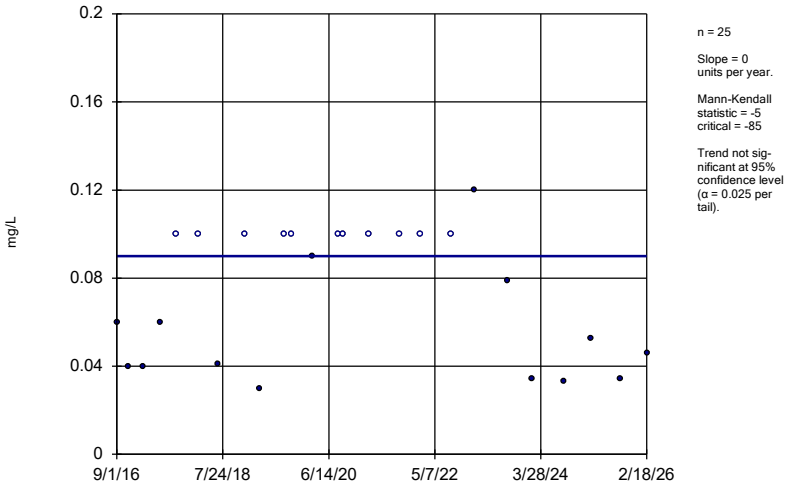
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -85

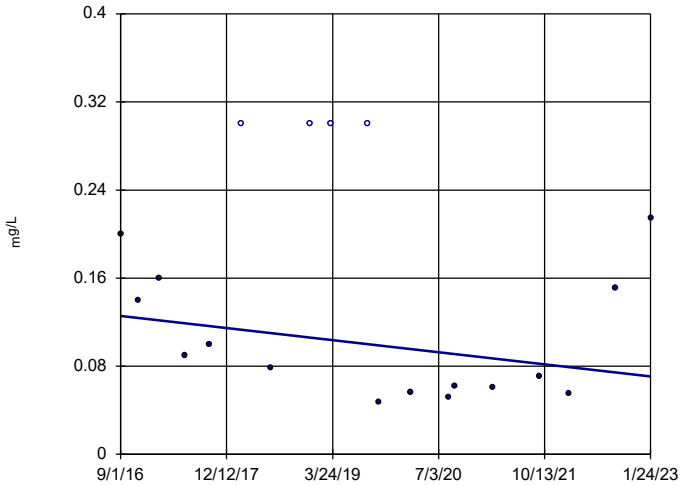
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 19

Slope = -0.008595 units per year.

Mann-Kendall statistic = -35
critical = -58

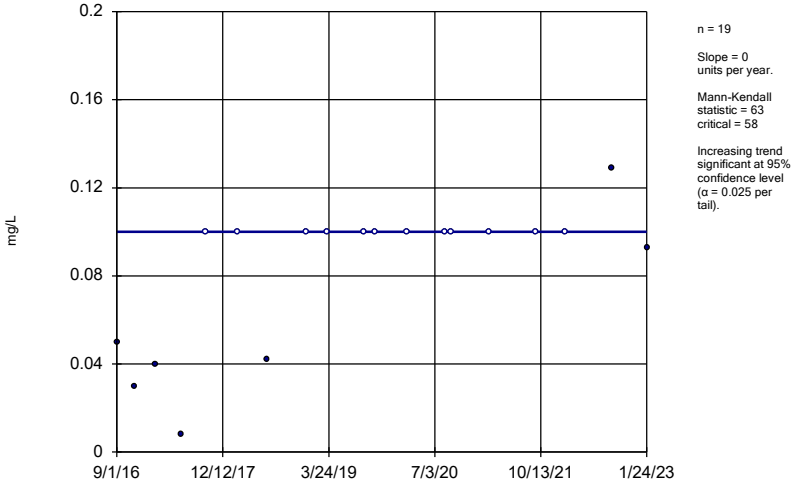
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 63
critical = 58

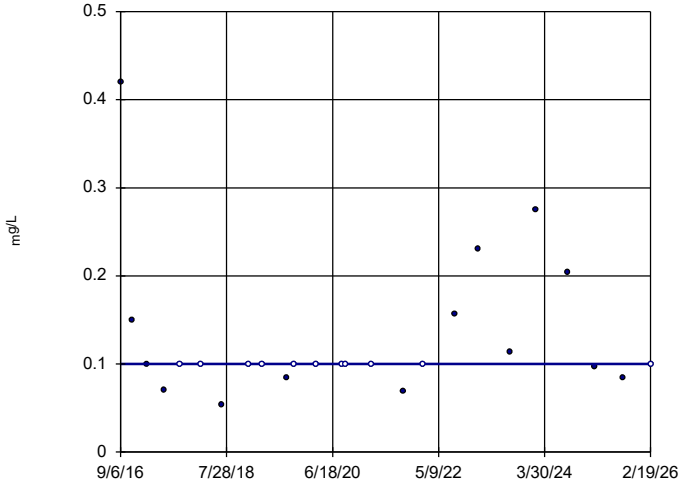
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 85

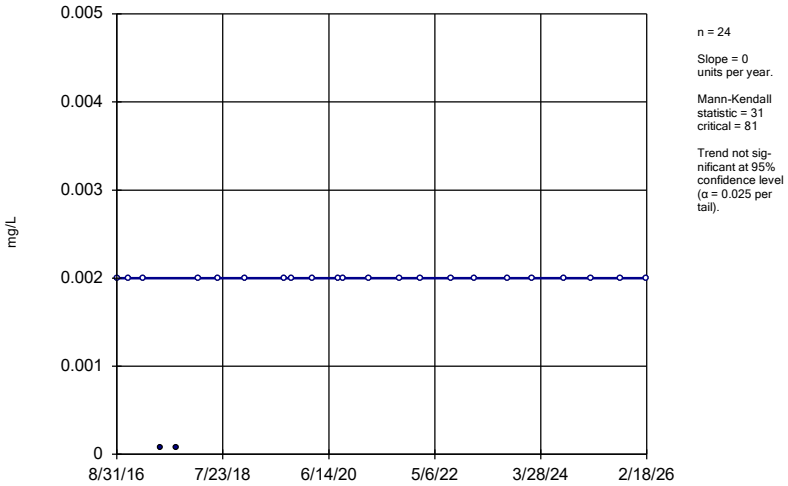
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Fluoride Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 31
critical = 81

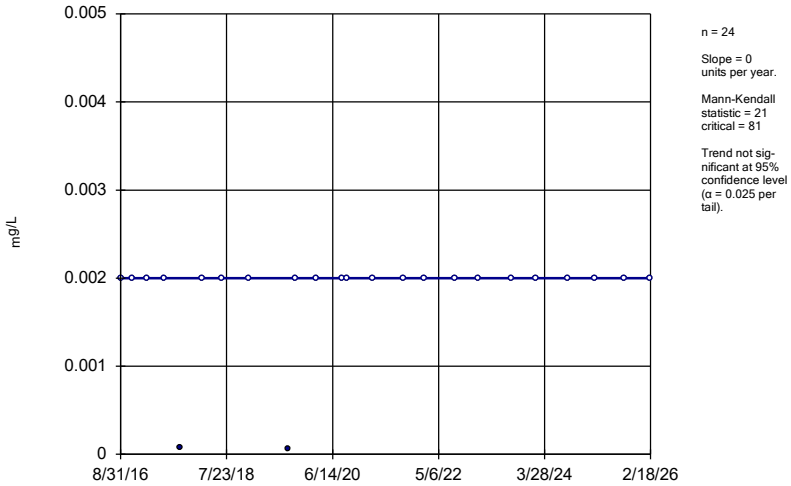
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 21
critical = 81

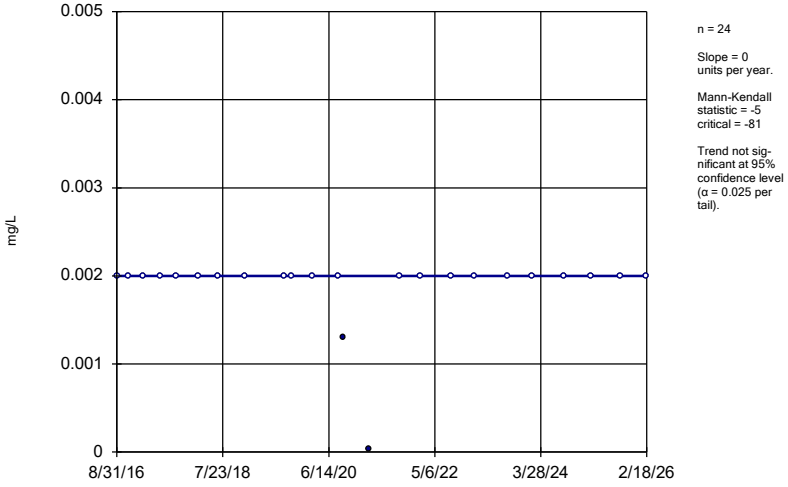
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -81

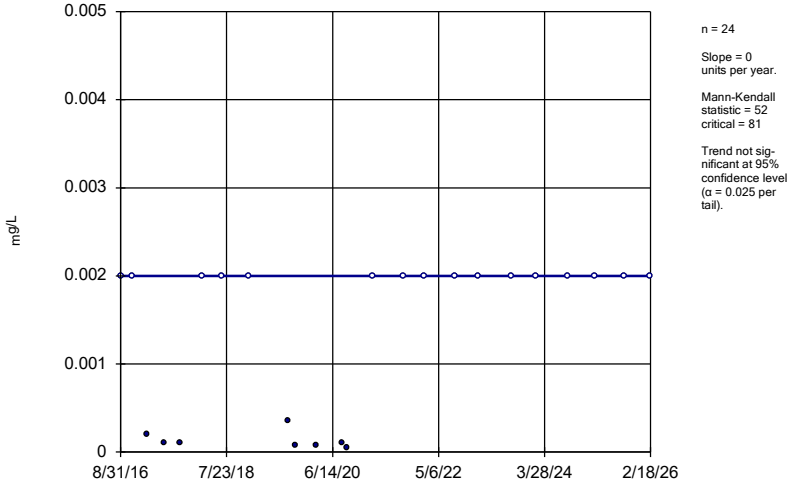
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 52
critical = 81

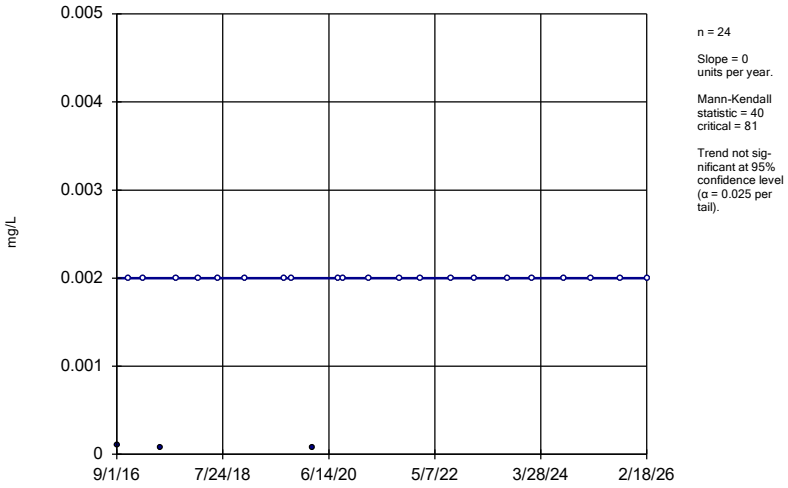
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 40 critical = 81

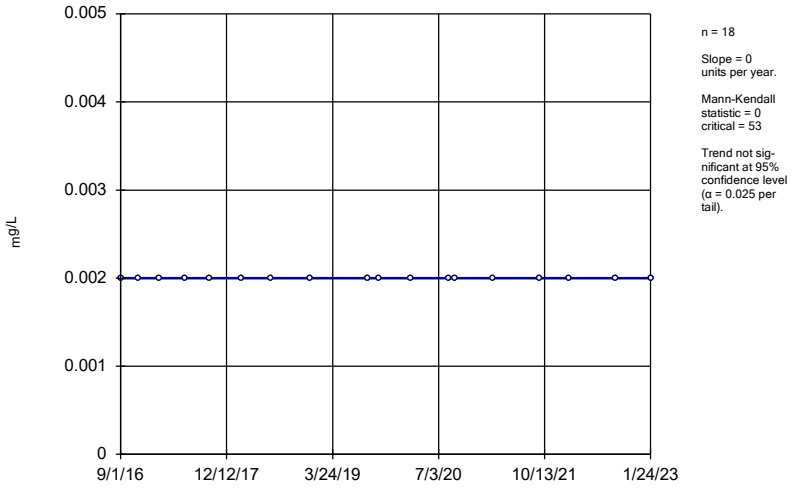
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 53

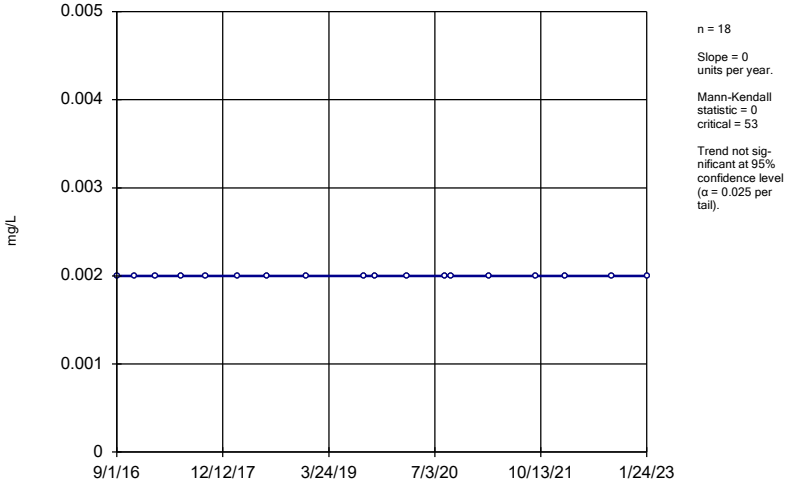
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 53

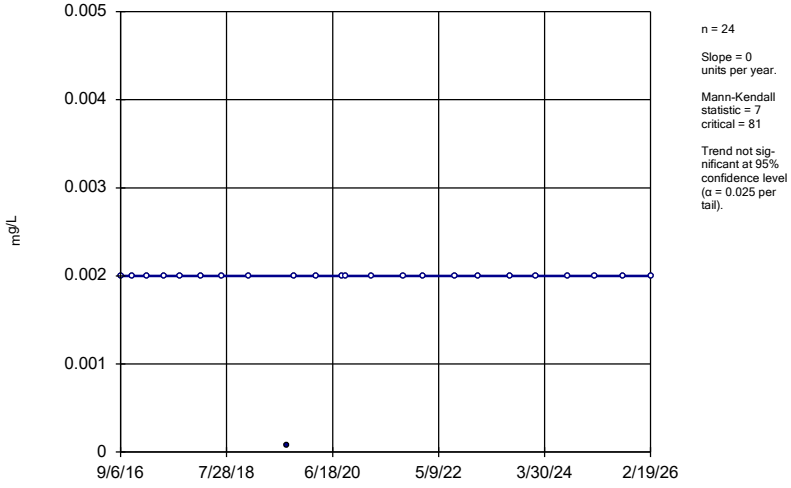
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 7 critical = 81

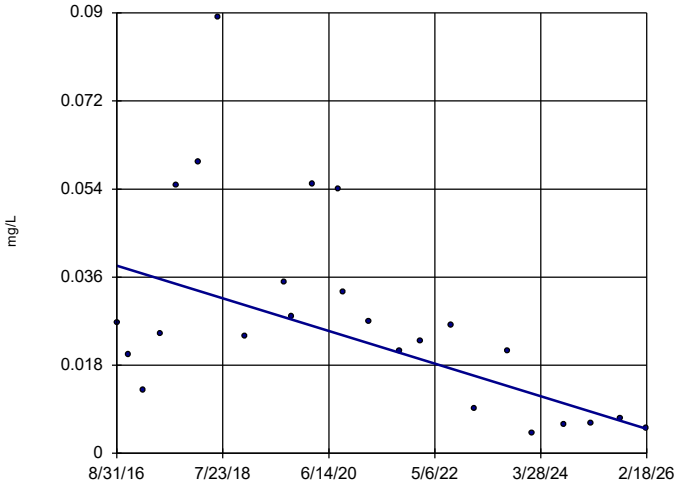
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lead Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = -0.003523 units per year.

Mann-Kendall statistic = -124 critical = -81

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

Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs

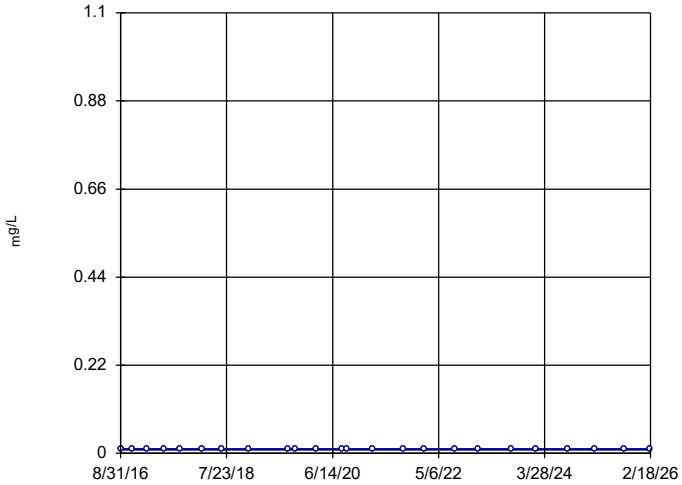
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

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

Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs

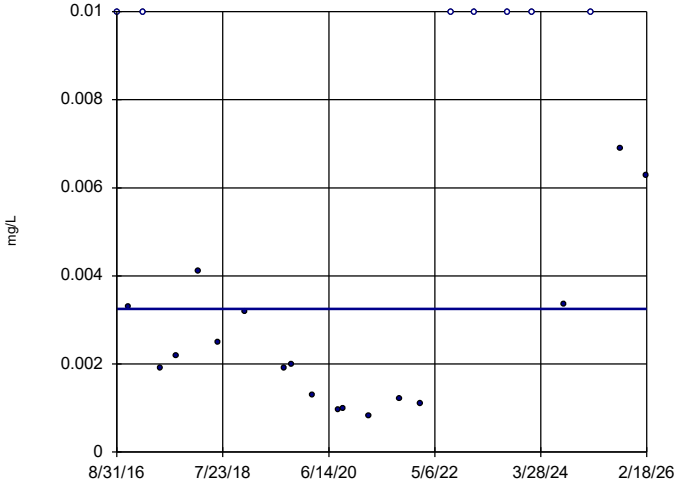
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 12 critical = 81

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

Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs

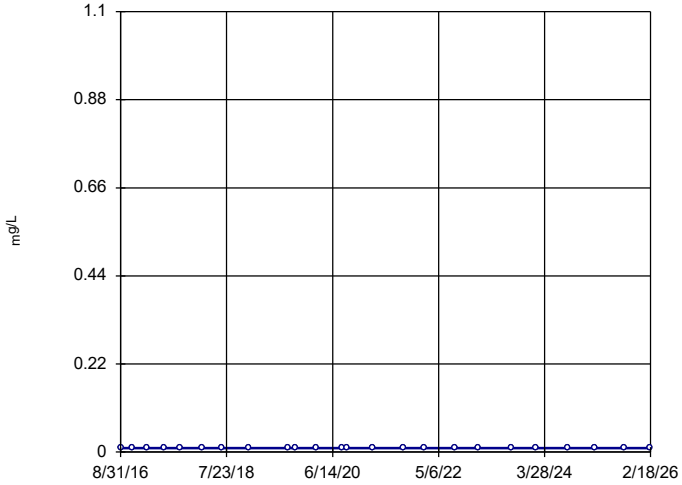
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

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

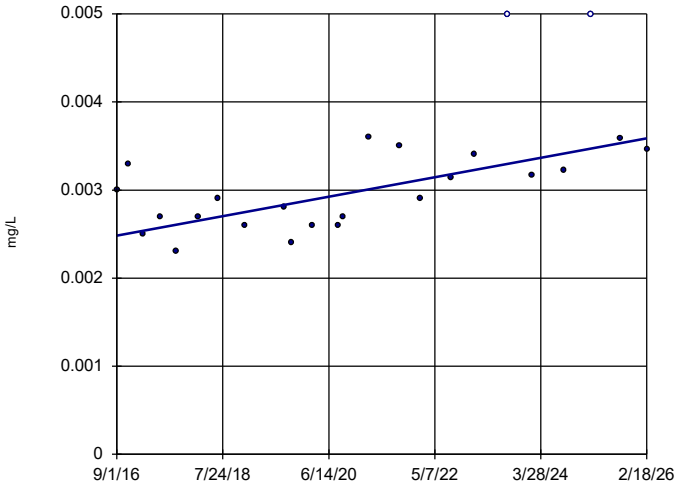
Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0.0001165 units per year.

Mann-Kendall statistic = 124
critical = 81

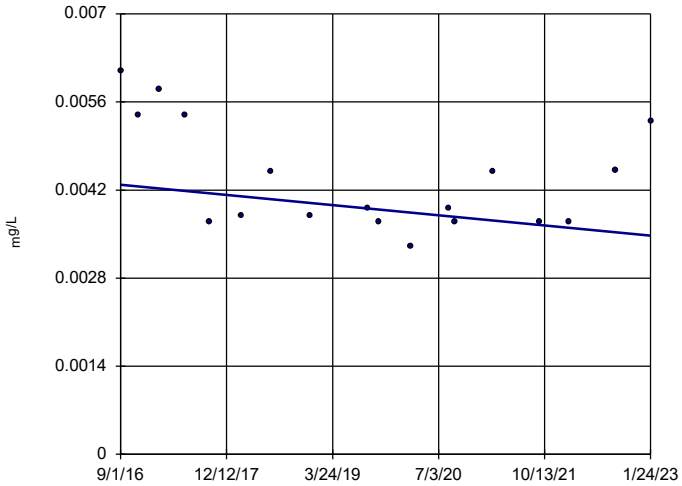
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.0001266 units per year.

Mann-Kendall statistic = -41
critical = -53

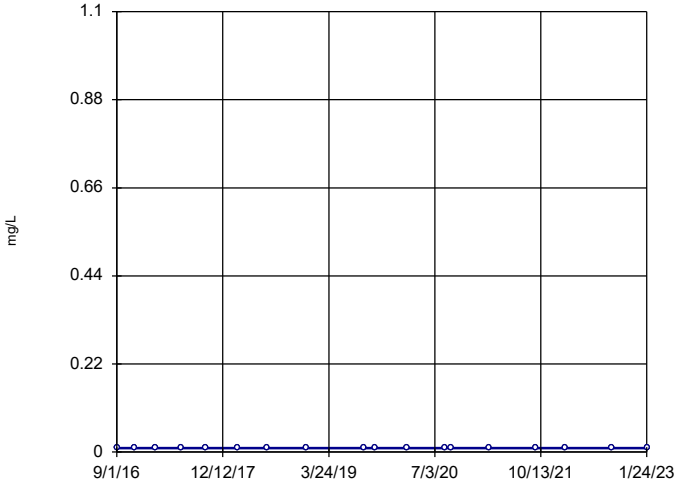
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 53

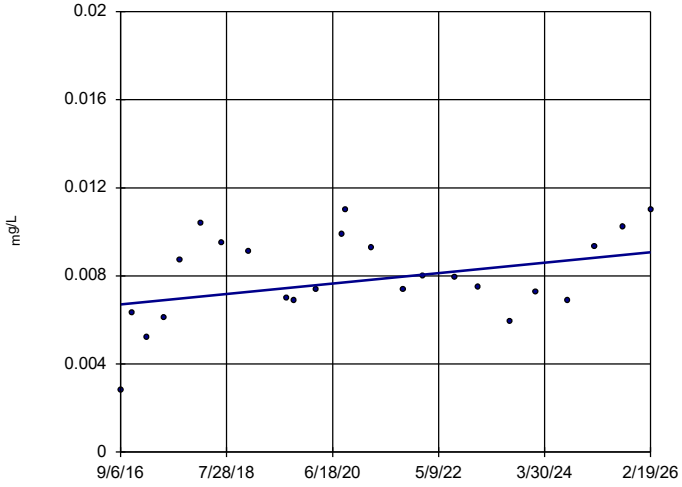
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0.0002495 units per year.

Mann-Kendall statistic = 68
critical = 81

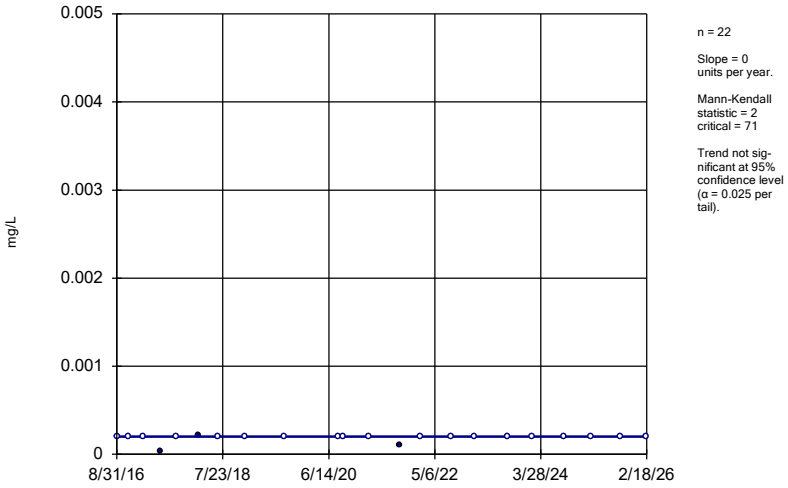
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = 2
critical = 71

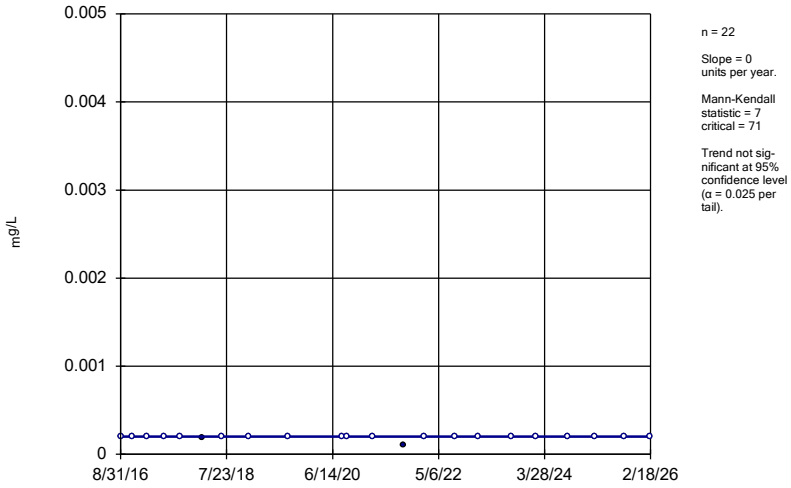
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = 7
critical = 71

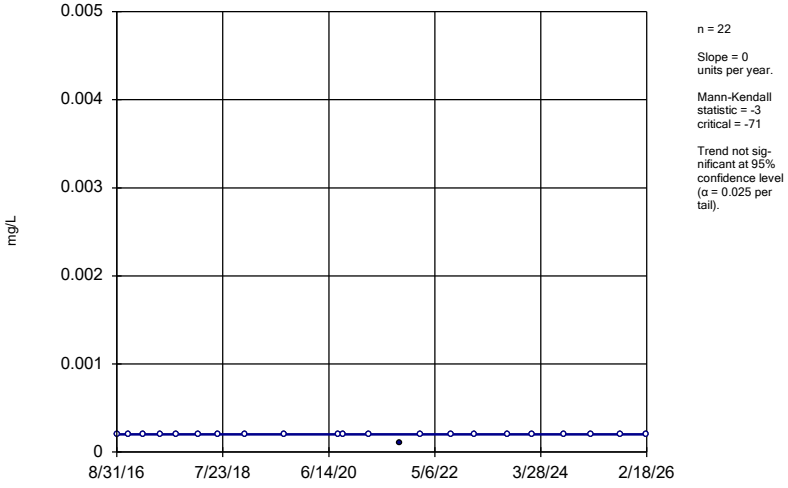
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = -3
critical = -71

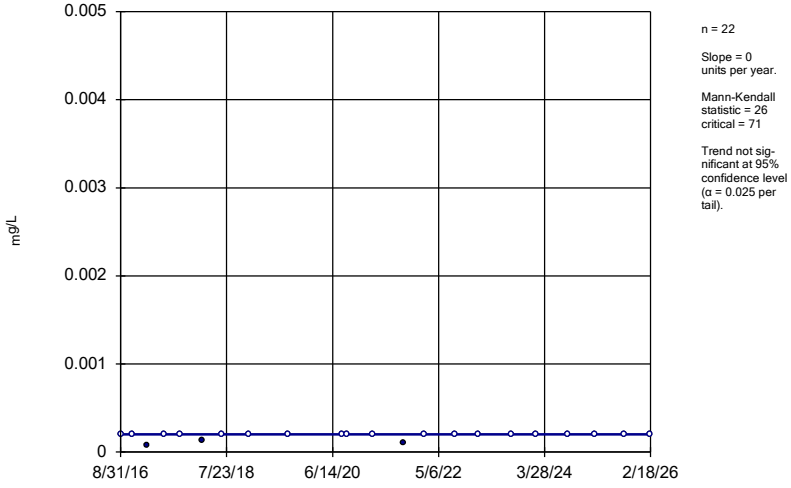
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 22

Slope = 0
units per year.

Mann-Kendall
statistic = 26
critical = 71

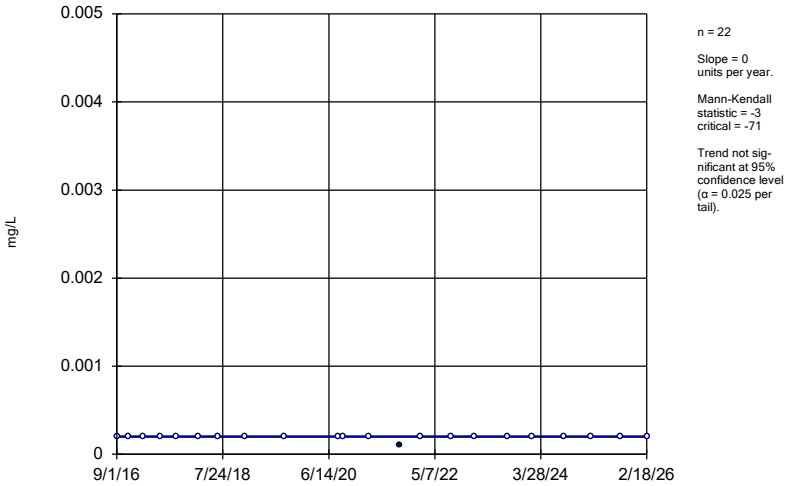
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -71

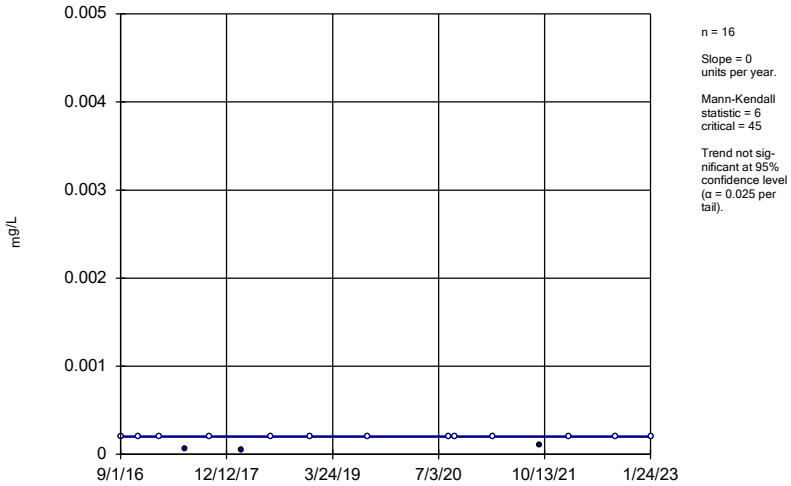
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 45

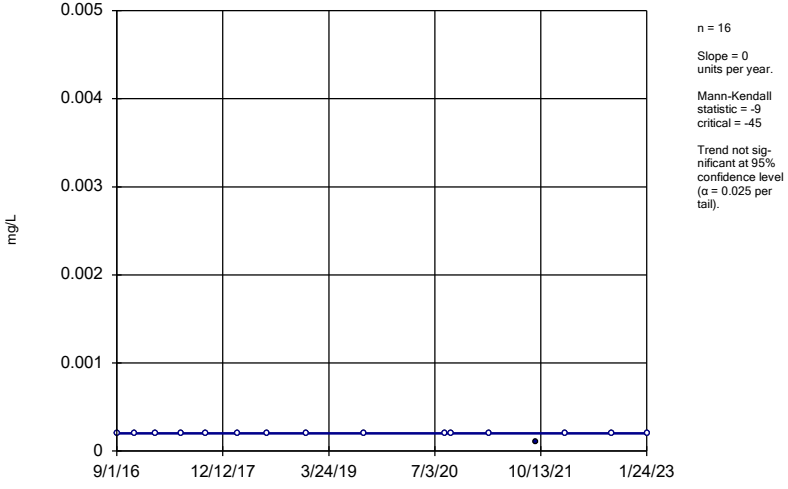
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = -9
critical = -45

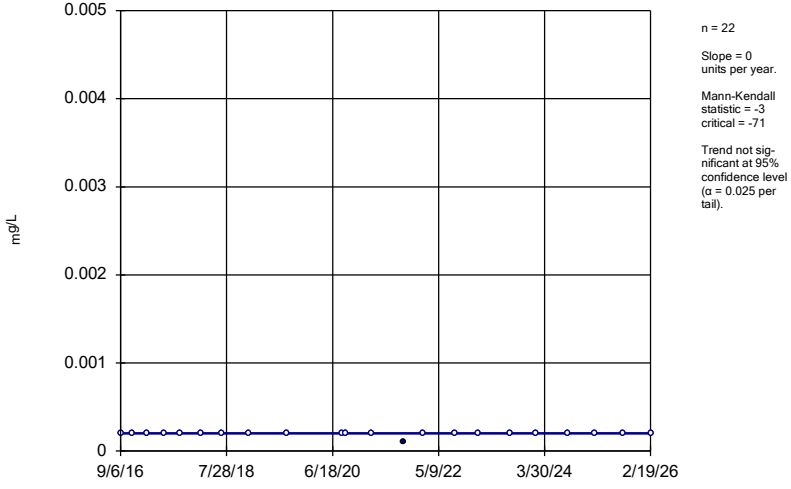
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -71

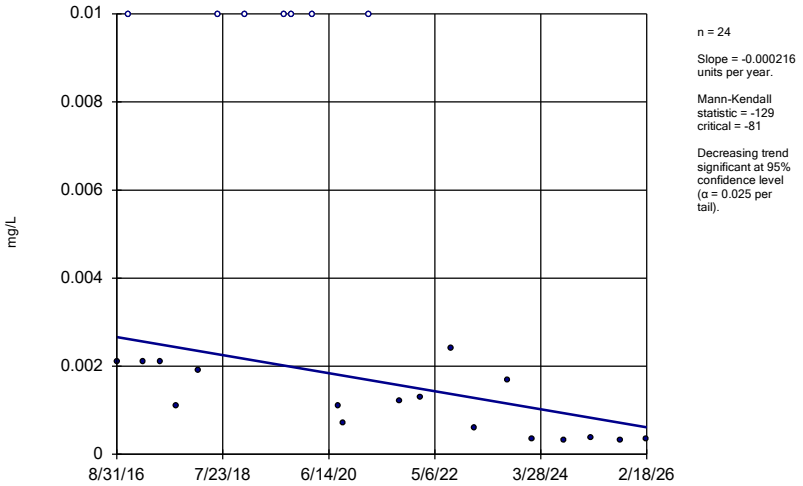
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Mercury Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = -0.000216 units per year.

Mann-Kendall statistic = -129
critical = -81

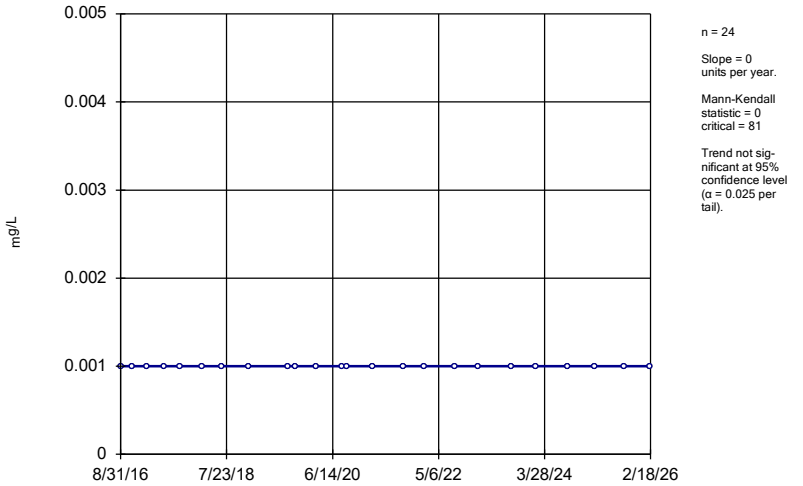
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

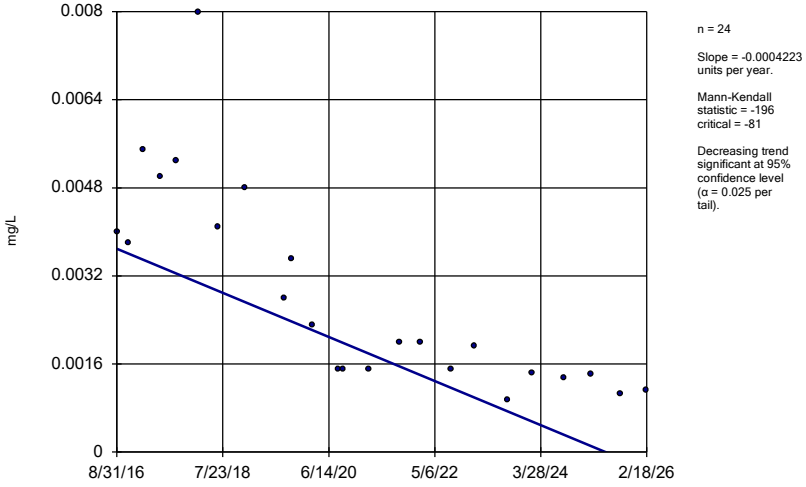
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = -0.0004223 units per year.

Mann-Kendall statistic = -196
critical = -81

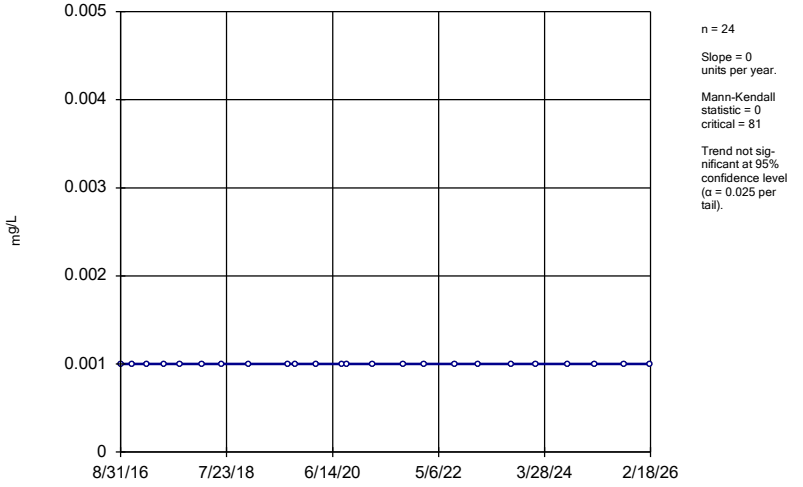
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

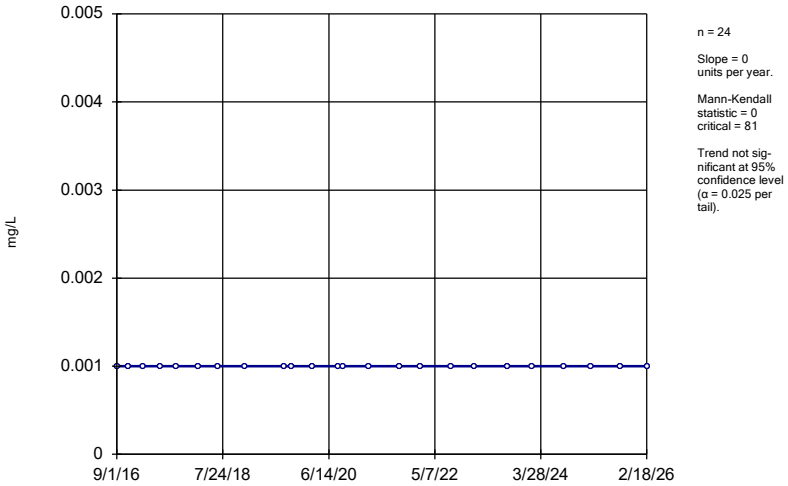
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0 critical = 81

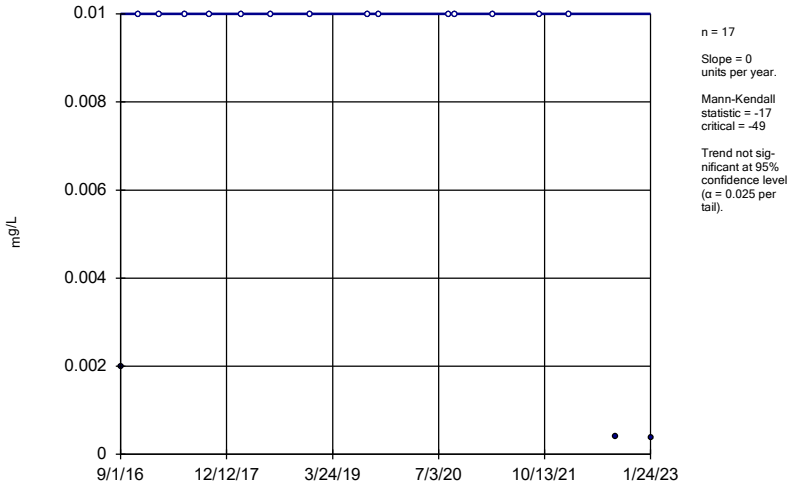
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -17 critical = -49

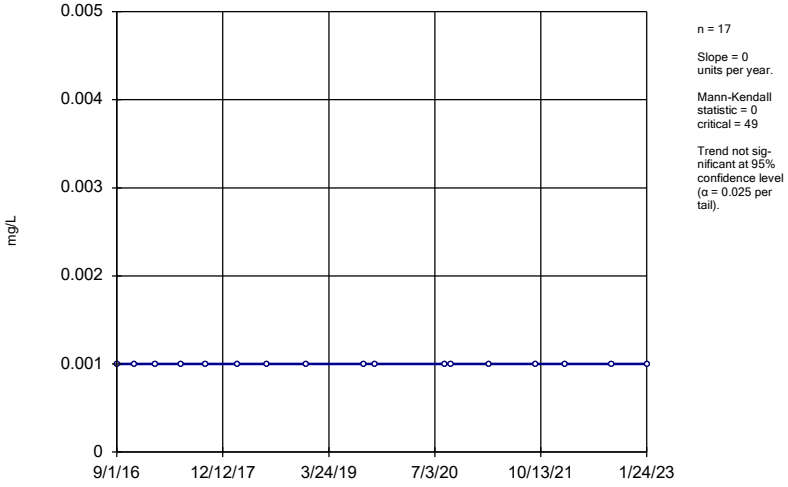
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 49

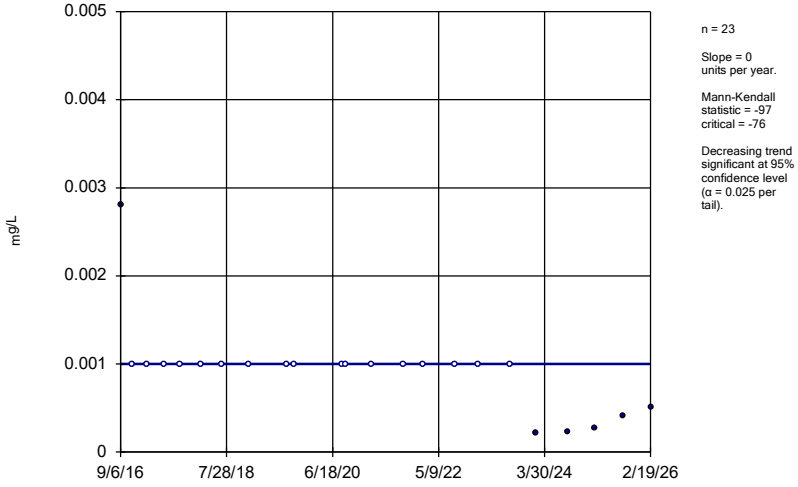
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -97 critical = -76

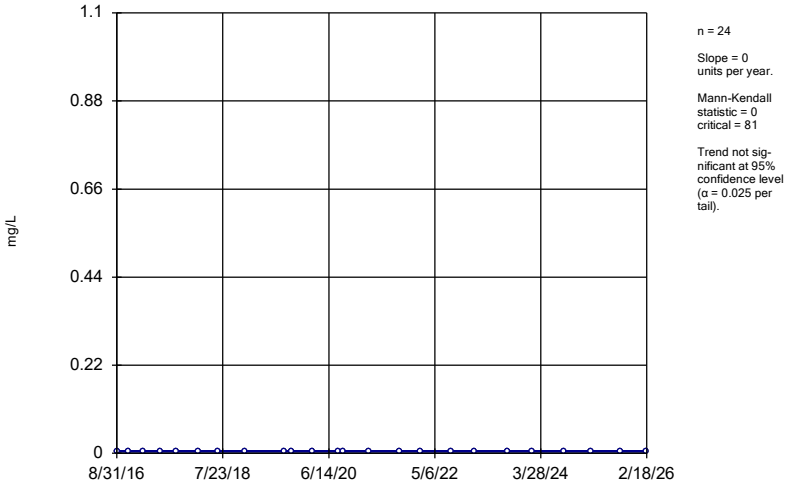
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 4/8/2026 2:56 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

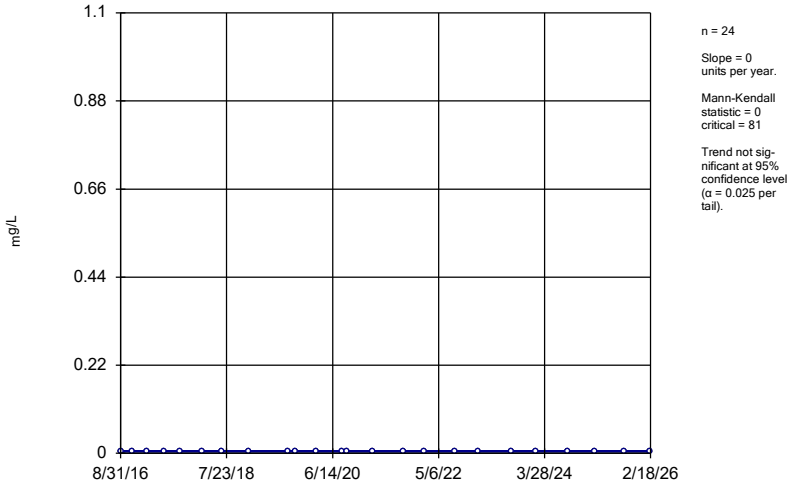
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

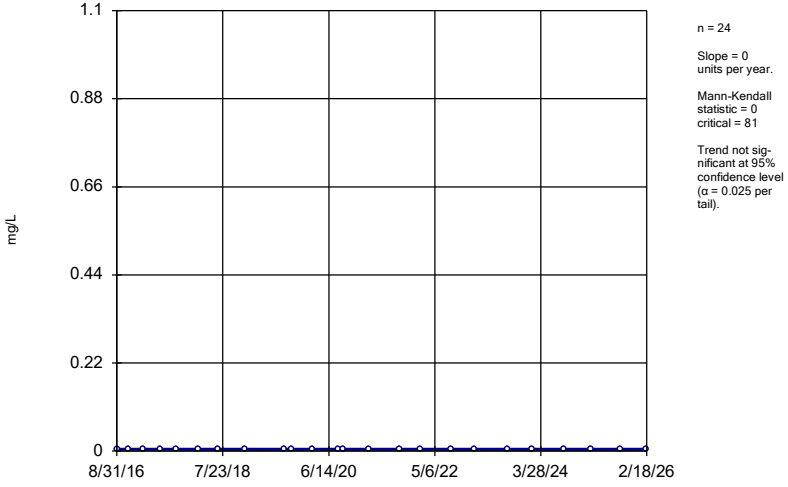
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

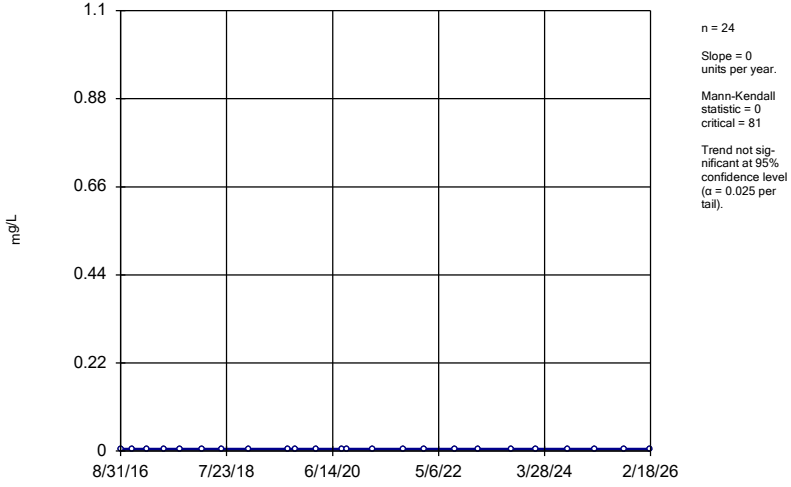
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

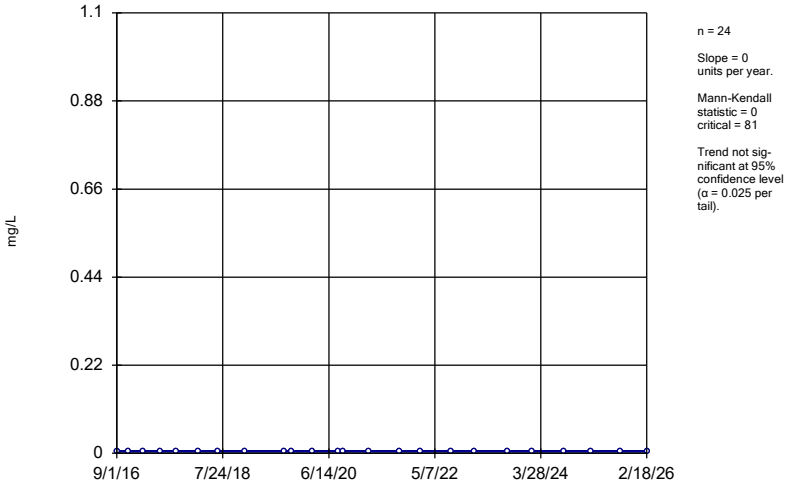
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

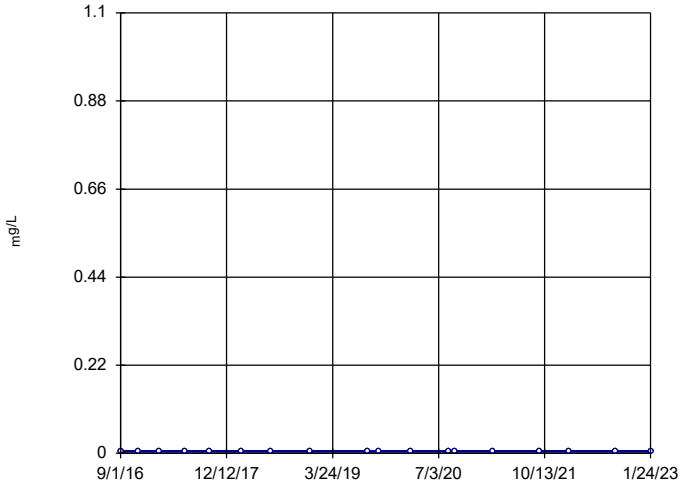
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 53

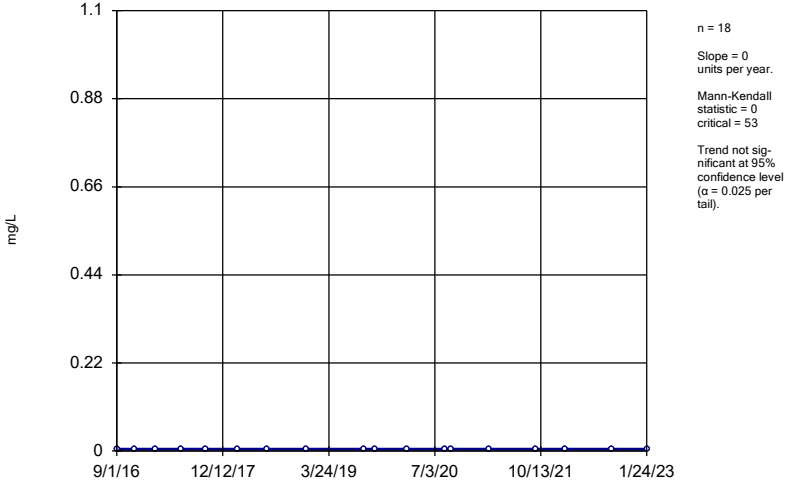
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 53

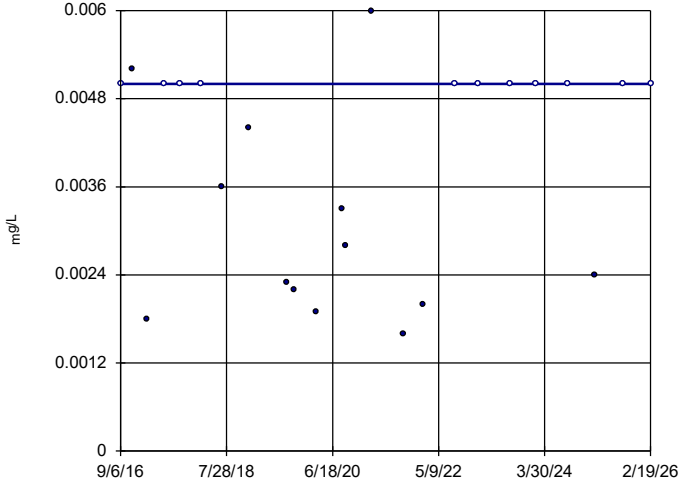
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 3
critical = 81

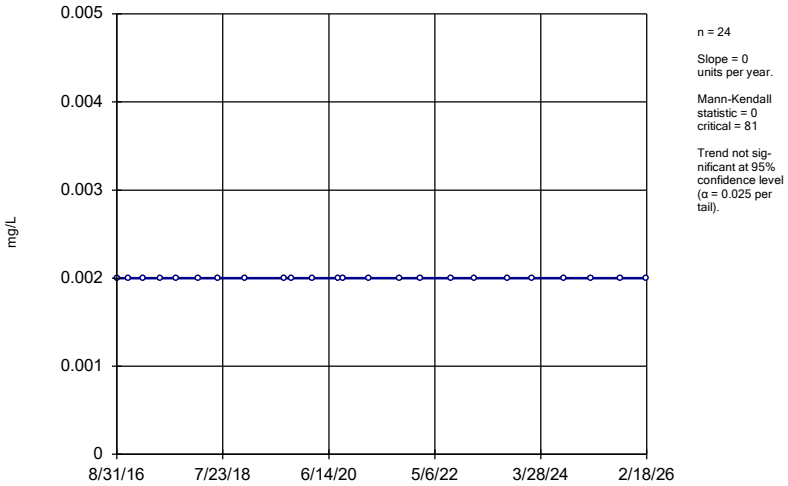
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

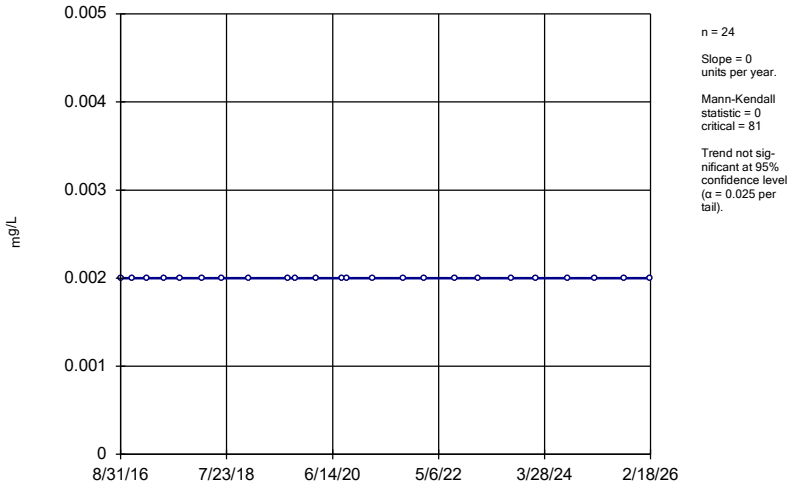
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

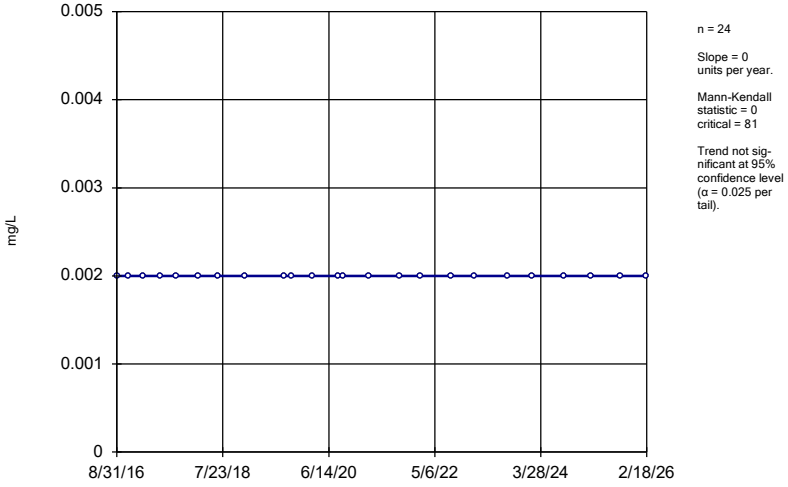
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

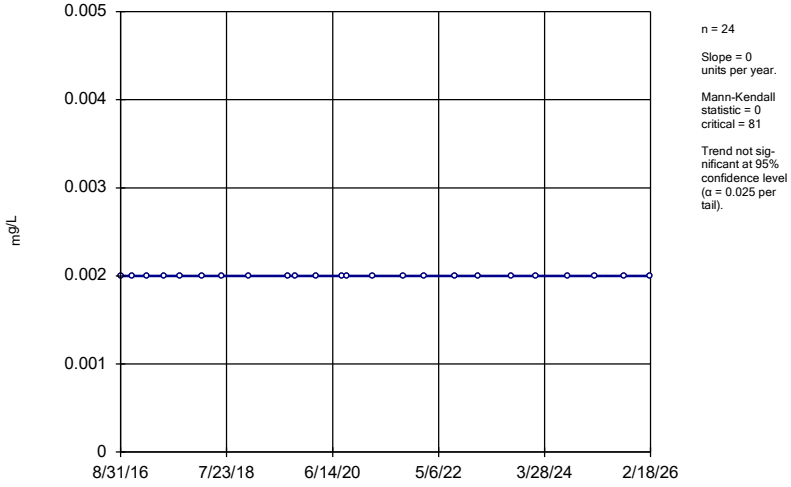
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

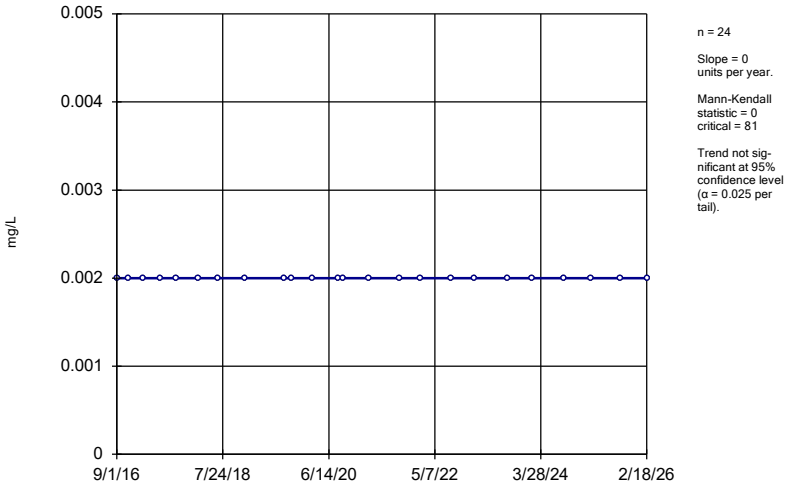
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

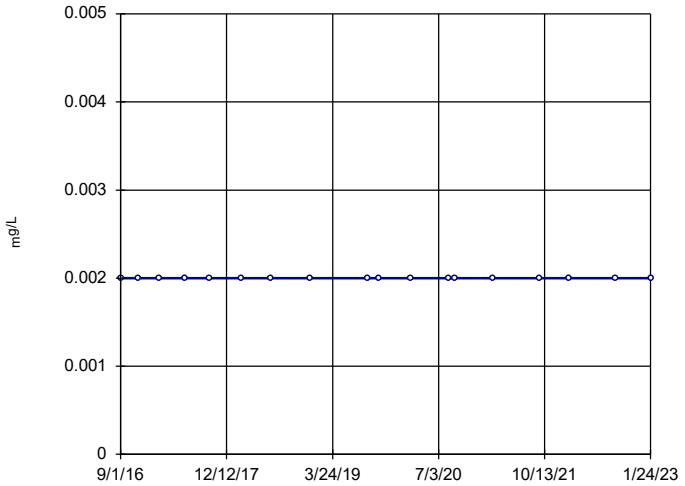
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 53

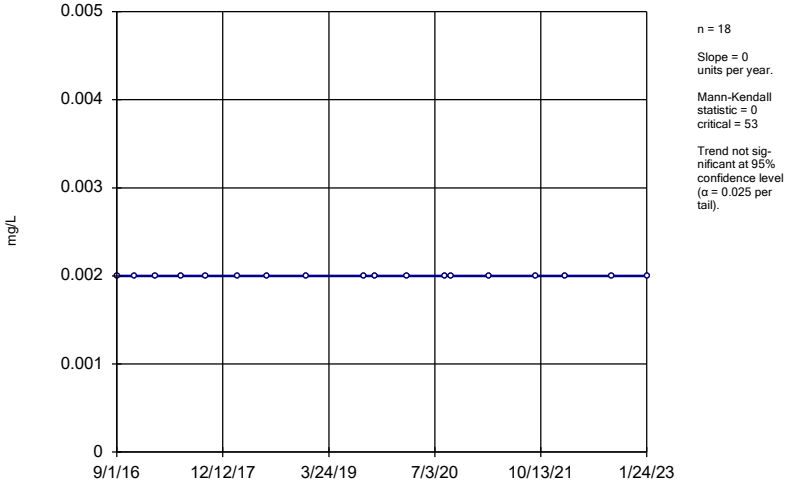
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 53

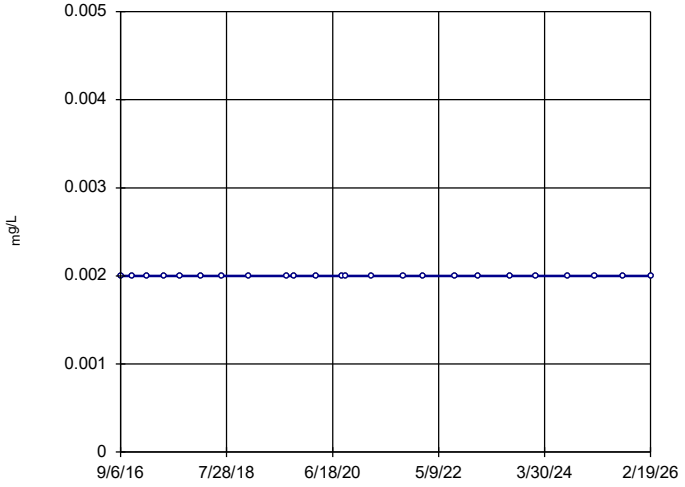
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

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

Constituent: Thallium Analysis Run 4/8/2026 2:57 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE E.

Appendix III Interwell Prediction Limits - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:07 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-25I	0.068	n/a	2/19/2026	1.48	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-27I	0.068	n/a	2/19/2026	0.951	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-29I	0.068	n/a	2/19/2026	1.02	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-30I	0.068	n/a	2/19/2026	1.68	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-32S	0.068	n/a	2/19/2026	0.735	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-44	0.068	n/a	2/19/2026	0.966	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-47	0.068	n/a	2/19/2026	0.588	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	BRGWC-52I	0.068	n/a	2/19/2026	1.46	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	PZ-63I	0.068	n/a	2/18/2026	0.598	Yes	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-25I	24	n/a	2/19/2026	59.7	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-27I	24	n/a	2/19/2026	54	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-29I	24	n/a	2/19/2026	94	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-30I	24	n/a	2/19/2026	485	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-32S	24	n/a	2/19/2026	31.5	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-44	24	n/a	2/19/2026	25.8	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-45	24	n/a	2/19/2026	109	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-47	24	n/a	2/19/2026	321	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	BRGWC-52I	24	n/a	2/19/2026	43.4	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Calcium (mg/L)	PZ-63I	24	n/a	2/18/2026	88.9	Yes	174	n/a	n/a	3.448	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-25I	5.8	n/a	2/19/2026	7.39	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-29I	5.8	n/a	2/19/2026	9.33	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-32S	5.8	n/a	2/19/2026	9.64	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-44	5.8	n/a	2/19/2026	6.8	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-45	5.8	n/a	2/19/2026	13	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	BRGWC-52I	5.8	n/a	2/19/2026	7.32	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	PZ-63I	5.8	n/a	2/18/2026	9.3	Yes	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-29I	7.013	5.546	2/19/2026	4.31	Yes	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	PZ-63I	7.013	5.546	2/18/2026	5.29	Yes	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
Sulfate (mg/L)	BRGWC-25I	89	n/a	2/19/2026	131	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-27I	89	n/a	2/19/2026	137	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-29I	89	n/a	2/19/2026	326	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-30I	89	n/a	2/19/2026	1290	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-32S	89	n/a	2/19/2026	143	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-45	89	n/a	2/19/2026	443	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-47	89	n/a	2/19/2026	1210	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BRGWC-52I	89	n/a	2/19/2026	154	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	PZ-63I	89	n/a	2/18/2026	451	Yes	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
TDS (mg/L)	BRGWC-25I	180.5	n/a	2/19/2026	338	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-27I	180.5	n/a	2/19/2026	264	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-29I	180.5	n/a	2/19/2026	508	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-30I	180.5	n/a	2/19/2026	2100	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-32S	180.5	n/a	2/19/2026	284	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-45	180.5	n/a	2/19/2026	761	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-47	180.5	n/a	2/19/2026	1890	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	BRGWC-52I	180.5	n/a	2/19/2026	321	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	PZ-63I	180.5	n/a	2/18/2026	763	Yes	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:07 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-25I**	**0.068**	**n/a**	**2/19/2026**	**1.48**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-27I**	**0.068**	**n/a**	**2/19/2026**	**0.951**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-29I**	**0.068**	**n/a**	**2/19/2026**	**1.02**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-30I**	**0.068**	**n/a**	**2/19/2026**	**1.68**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-32S**	**0.068**	**n/a**	**2/19/2026**	**0.735**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-44**	**0.068**	**n/a**	**2/19/2026**	**0.966**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	BRGWC-45	0.068	n/a	2/19/2026	0.0523	No	172	n/a	n/a	50	n/a	n/a	0.00006688	NP Inter (normality) 1 of 2
Boron (mg/L)	**BRGWC-47**	**0.068**	**n/a**	**2/19/2026**	**0.588**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**BRGWC-52I**	**0.068**	**n/a**	**2/19/2026**	**1.46**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	**PZ-63I**	**0.068**	**n/a**	**2/18/2026**	**0.598**	**Yes**	**172**	**n/a**	**n/a**	**50**	**n/a**	**n/a**	**0.00006688**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-25I**	**24**	**n/a**	**2/19/2026**	**59.7**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-27I**	**24**	**n/a**	**2/19/2026**	**54**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-29I**	**24**	**n/a**	**2/19/2026**	**94**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-30I**	**24**	**n/a**	**2/19/2026**	**485**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-32S**	**24**	**n/a**	**2/19/2026**	**31.5**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-44**	**24**	**n/a**	**2/19/2026**	**25.8**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-45**	**24**	**n/a**	**2/19/2026**	**109**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-47**	**24**	**n/a**	**2/19/2026**	**321**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**BRGWC-52I**	**24**	**n/a**	**2/19/2026**	**43.4**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**PZ-63I**	**24**	**n/a**	**2/18/2026**	**88.9**	**Yes**	**174**	**n/a**	**n/a**	**3.448**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-25I**	**5.8**	**n/a**	**2/19/2026**	**7.39**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-27I	5.8	n/a	2/19/2026	2.57	No	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-29I**	**5.8**	**n/a**	**2/19/2026**	**9.33**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-30I	5.8	n/a	2/19/2026	2.6	No	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-32S**	**5.8**	**n/a**	**2/19/2026**	**9.64**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-44**	**5.8**	**n/a**	**2/19/2026**	**6.8**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**BRGWC-45**	**5.8**	**n/a**	**2/19/2026**	**13**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	BRGWC-47	5.8	n/a	2/19/2026	4.54	No	174	n/a	n/a	0	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Chloride (mg/L)	**BRGWC-52I**	**5.8**	**n/a**	**2/19/2026**	**7.32**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**PZ-63I**	**5.8**	**n/a**	**2/18/2026**	**9.3**	**Yes**	**174**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	BRGWC-25I	0.42	n/a	2/19/2026	0.261	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-27I	0.42	n/a	2/19/2026	0.147	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-29I	0.42	n/a	2/19/2026	0.0975J	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-30I	0.42	n/a	2/19/2026	0.15	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-32S	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-44	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-45	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-47	0.42	n/a	2/19/2026	0.0603J	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BRGWC-52I	0.42	n/a	2/19/2026	0.1ND	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
Fluoride (mg/L)	PZ-63I	0.42	n/a	2/18/2026	0.167	No	188	n/a	n/a	43.62	n/a	n/a	0.00005598	NP Inter (normality) 1 of 2
pH, Field (SU)	BRGWC-25I	7.013	5.546	2/19/2026	6.19	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-27I	7.013	5.546	2/19/2026	5.75	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	**BRGWC-29I**	**7.013**	**5.546**	**2/19/2026**	**4.31**	**Yes**	**195**	**6.28**	**0.3778**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
pH, Field (SU)	BRGWC-30I	7.013	5.546	2/19/2026	6.41	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-32S	7.013	5.546	2/19/2026	5.87	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-44	7.013	5.546	2/19/2026	6.03	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-45	7.013	5.546	2/19/2026	5.8	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-47	7.013	5.546	2/19/2026	5.62	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	BRGWC-52I	7.013	5.546	2/19/2026	6.1	No	195	6.28	0.3778	0	None	No	0.0003761	Param Inter 1 of 2
pH, Field (SU)	**PZ-63I**	**7.013**	**5.546**	**2/18/2026**	**5.29**	**Yes**	**195**	**6.28**	**0.3778**	**0**	**None**	**No**	**0.0003761**	**Param Inter 1 of 2**
Sulfate (mg/L)	**BRGWC-25I**	**89**	**n/a**	**2/19/2026**	**131**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-27I**	**89**	**n/a**	**2/19/2026**	**137**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-29I**	**89**	**n/a**	**2/19/2026**	**326**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-30I**	**89**	**n/a**	**2/19/2026**	**1290**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-32S**	**89**	**n/a**	**2/19/2026**	**143**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	BRGWC-44	89	n/a	2/19/2026	43	No	174	n/a	n/a	9.77	n/a	n/a	0.0000653	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**BRGWC-45**	**89**	**n/a**	**2/19/2026**	**443**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-47**	**89**	**n/a**	**2/19/2026**	**1210**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**BRGWC-52I**	**89**	**n/a**	**2/19/2026**	**154**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**PZ-63I**	**89**	**n/a**	**2/18/2026**	**451**	**Yes**	**174**	**n/a**	**n/a**	**9.77**	**n/a**	**n/a**	**0.0000653**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**BRGWC-25I**	**180.5**	**n/a**	**2/19/2026**	**338**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-27I**	**180.5**	**n/a**	**2/19/2026**	**264**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-29I**	**180.5**	**n/a**	**2/19/2026**	**508**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-30I**	**180.5**	**n/a**	**2/19/2026**	**2100**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-32S**	**180.5**	**n/a**	**2/19/2026**	**284**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:07 AM

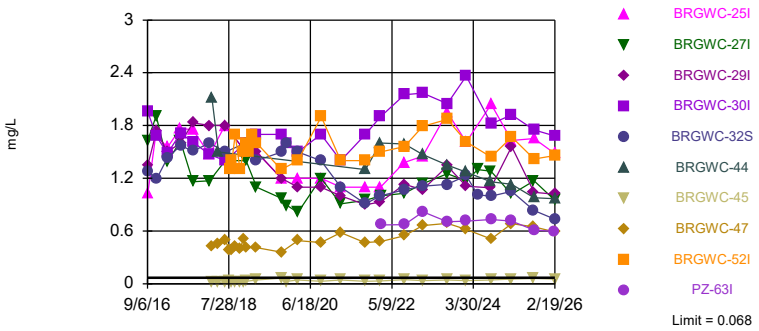
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	BRGWC-44	180.5	n/a	2/19/2026	169	No	173	100.5	41.18	1.156	None	No	0.0007523	Param Inter 1 of 2
TDS (mg/L)	**BRGWC-45**	**180.5**	**n/a**	**2/19/2026**	**761**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-47**	**180.5**	**n/a**	**2/19/2026**	**1890**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**BRGWC-52I**	**180.5**	**n/a**	**2/19/2026**	**321**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**
TDS (mg/L)	**PZ-63I**	**180.5**	**n/a**	**2/18/2026**	**763**	**Yes**	**173**	**100.5**	**41.18**	**1.156**	**None**	**No**	**0.0007523**	**Param Inter 1 of 2**

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Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-47, BRGWC-52I,..

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 172 background values. 50% NDs. Annual per-constituent alpha = 0.001337. Individual comparison alpha = 0.00006688 (1 of 2). Comparing 10 points to limit.

Constituent: Boron Analysis Run 5/29/2026 11:05 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

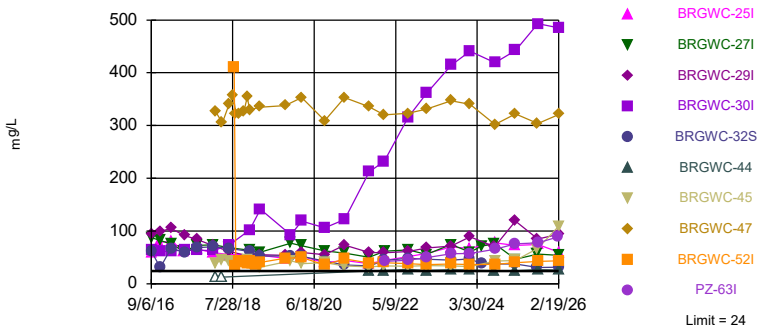
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Hollow symbols indicate censored values.

Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-47,..

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 174 background values. 3.448% NDs. Annual per-constituent alpha = 0.001305. Individual comparison alpha = 0.0000653 (1 of 2). Comparing 10 points to limit.

Constituent: Calcium Analysis Run 5/29/2026 11:05 AM View: Appendix III - Interwell PLs

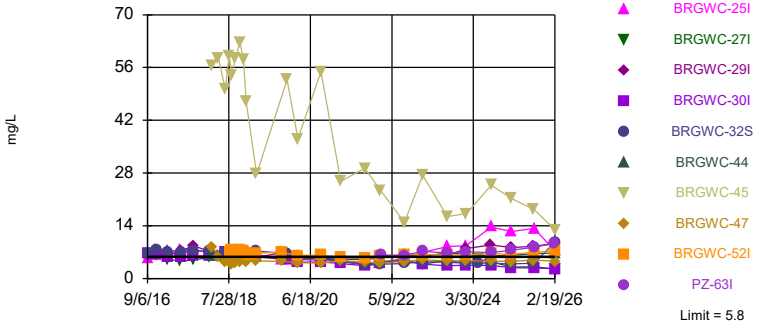
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Exceeds Limit: BRGWC-25I, BRGWC-29I, BRGWC-32S, BRGWC-44, BRGWC-45, BRGWC-52I, PZ-63I

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 174 background values. Annual per-constituent alpha = 0.001305. Individual comparison alpha = 0.0000653 (1 of 2). Comparing 10 points to limit.

Constituent: Chloride Analysis Run 5/29/2026 11:05 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

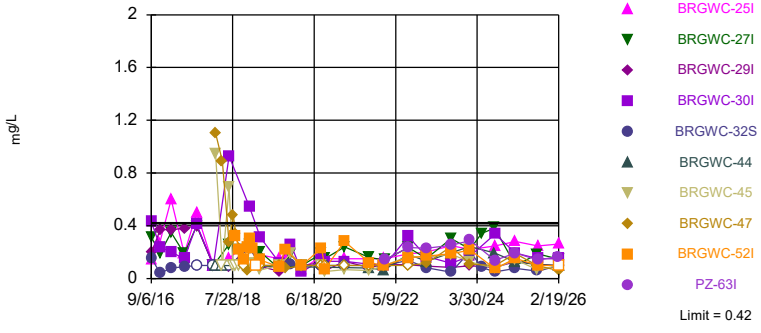
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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 188 background values. 43.62% NDs. Annual per-constituent alpha = 0.001119. Individual comparison alpha = 0.00005598 (1 of 2). Comparing 10 points to limit.

Constituent: Fluoride Analysis Run 5/29/2026 11:05 AM View: Appendix III - Interwell PLs

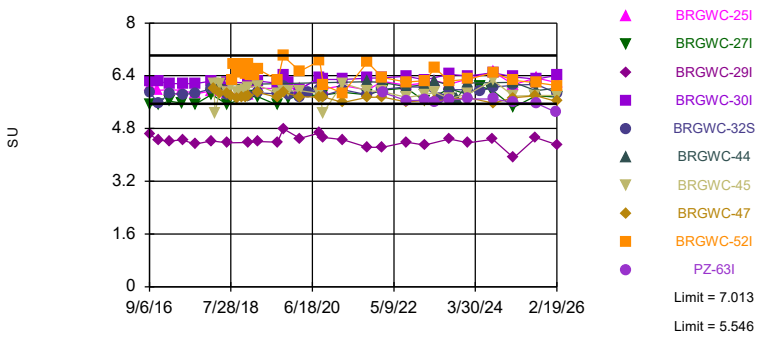
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Exceeds Limits: BRGWC-29I, PZ-63I

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=6.28, Std. Dev.=0.3778, n=195. Normality test: Chi Squared @alpha = 0.01, calculated = 10.08, critical = 14.07. Kappa = 1.942 (c=7, w=10, 1 of 2, event alpha = 0.05132). N exceeds UG tables; Kappa based on n=150. Report alpha = 0.007498. Individual comparison alpha = 0.0003761. Comparing 10 points to limit.

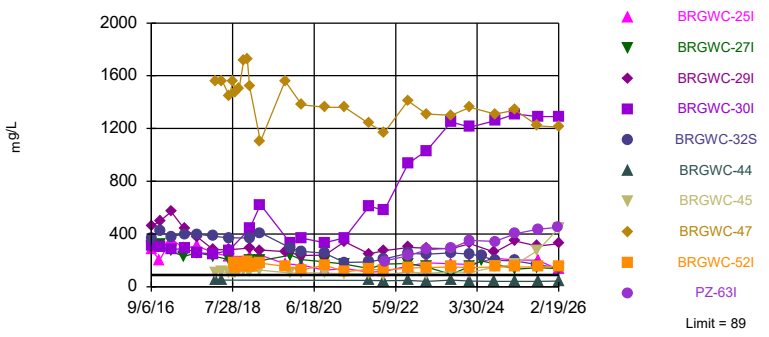
Constituent: pH, Field Analysis Run 5/29/2026 11:05 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I,..

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 174 background values. 9.77% NDs. Annual per-constituent alpha = 0.001305. Individual comparison alpha = 0.0000653 (1 of 2). Comparing 10 points to limit.

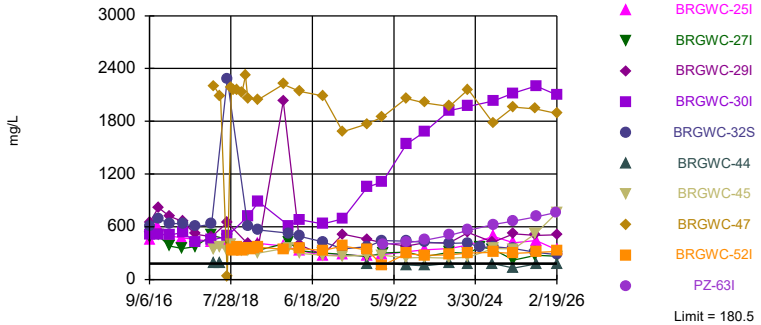
Constituent: Sulfate Analysis Run 5/29/2026 11:05 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Exceeds Limit: BRGWC-25I, BRGWC-27I, BRGWC-29I, BRGWC-30I, BRGWC-32S, BRGWC-45, BRGWC-47, BRGWC-52I,..

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=100.5, Std. Dev.=41.18, n=173, 1.156% NDs. Normality test: Chi Squared @alpha = 0.01, calculated = 6.48, critical = 14.07. Kappa = 1.942 (c=7, w=10, 1 of 2, event alpha = 0.05132). N exceeds UG tables; Kappa based on n=150. Report alpha = 0.007498. Individual comparison alpha = 0.0007523. Comparing 10 points to limit.

Constituent: TDS Analysis Run 5/29/2026 11:05 AM View: Appendix III - Interwell PLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	0.0072 (J)	<0.015	<0.015	<0.015					
9/1/2016					<0.015	0.0093 (J)	<0.015		
9/6/2016								1.96	0.0362 (J)
9/8/2016									
11/15/2016		0.0085 (J)					0.0123 (J)		
11/16/2016	0.0117 (J)		0.0187 (J)	0.0109 (J)	0.0081 (J)	0.0127 (J)			
11/17/2016									0.0617
11/18/2016									
11/21/2016								1.68	
2/20/2017		0.0093 (J)	0.0066 (J)				0.0157 (J)		
2/21/2017	0.0088 (J)			<0.015	<0.015	0.0071 (J)			0.0245 (J)
2/22/2017								1.48	
6/12/2017	0.0133 (J)	<0.015	<0.015				<0.015		
6/13/2017				<0.015	<0.015				<0.015
6/14/2017						0.0078 (J)		1.71	
9/26/2017	0.0093 (J)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015
9/27/2017								1.61	
2/13/2018	0.0141 (J)	<0.015	<0.015	<0.015			<0.015		
2/14/2018					<0.015	0.0068 (J)		1.47	0.0314 (J)
3/6/2018									
5/1/2018									
6/26/2018	0.012 (J)	0.0056 (J)	0.0042 (J)	<0.015	<0.015	0.008 (J)	0.0041 (J)		0.062
6/27/2018									
6/28/2018								1.4	
7/31/2018									
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	0.0086 (J)	0.0062 (J)	<0.015	<0.015	0.0053 (J)	0.0083 (J)	<0.015	1.6	0.055
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	0.0055 (J)	<0.015	<0.015	<0.015	<0.015	0.008 (J)	<0.015		0.068
3/20/2019								1.7	
10/15/2019	0.0067 (J)	0.006 (J)	<0.015	<0.015	<0.015	0.006 (J)	0.01 (J)		0.022 (J)
10/16/2019									
10/17/2019								1.7	
12/3/2019									
12/4/2019								1.6	
3/3/2020	0.0082 (J)	<0.015	<0.015	<0.015	0.0065 (J)	0.01 (J)	<0.015		
3/4/2020									0.044 (J)
3/5/2020								1.5	
9/15/2020	<0.015	<0.015	<0.015	<0.015	<0.015	0.0071 (J)	<0.015		0.033 (J)
9/16/2020								1.7	
9/17/2020									
3/1/2021	<0.015						<0.015		
3/2/2021		0.0071 (J)	0.0053 (J)	<0.015	<0.015	0.0057 (J)			0.042
3/3/2021								1.4	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWC-30I	BRGWA-23S (bg)
3/4/2021									
9/21/2021		<0.015	<0.015		<0.015	<0.015			
9/22/2021	<0.015			<0.015			<0.015		0.047
9/23/2021									
9/28/2021								1.7	
2/1/2022	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		0.046
2/2/2022								1.9	
2/3/2022									
2/4/2022									
8/23/2022	0.00592 (J)	0.00538 (J)	<0.015	0.00532 (J)	<0.015	0.00653 (J)	<0.015		0.0498
8/24/2022								2.15	
8/25/2022									
1/24/2023	<0.015	<0.015	<0.015	<0.015	0.0053 (J)	0.00884 (J)	<0.015		0.0437
1/25/2023									
1/26/2023								2.17	
1/30/2023									
8/22/2023	0.00649 (J)	0.00764 (J)	0.0073 (J)	0.00738 (J)			0.00611 (J)	2.05	0.039
8/23/2023									
8/24/2023									
1/30/2024	<0.015	<0.015	<0.015	<0.015			<0.015	2.36	0.0389
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	<0.015	0.00538 (J)	<0.015	<0.015			<0.015		0.0315
8/28/2024								1.82	
8/29/2024									
2/18/2025	<0.015	0.00548 (J)	0.00591 (J)	<0.015			<0.015		0.0393
2/19/2025								1.92	
8/26/2025	0.00739 (J)	0.00822 (J)	0.007 (J)	0.00735 (J)			0.00675 (J)		
8/27/2025								1.75	0.0257
8/28/2025									
2/18/2026	0.00969 (J)	0.00907 (J)	0.00988 (J)	0.00878 (J)			0.00922 (J)		
2/19/2026								1.68	0.0309

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-29I	BRGWC-27I	BRGWC-25I	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	1.28	1.35	1.63	1.03					
11/15/2016									
11/16/2016									
11/17/2016				1.7					
11/18/2016			1.91						
11/21/2016	1.19	1.74							
2/20/2017									
2/21/2017			1.39	1.55					
2/22/2017	1.43	1.5							
6/12/2017									
6/13/2017			1.62	1.77					
6/14/2017	1.57	1.6							
9/26/2017									
9/27/2017	1.51	1.83	1.16	1.75					
2/13/2018									
2/14/2018	1.6	1.8	1.17	1.47					
3/6/2018					2.12	0.0198 (J)	0.428		
5/1/2018					1.5	0.015 (J)	0.45		
6/26/2018				1.8					
6/27/2018	1.5	1.8	1.4				0.49		
6/28/2018						0.025 (J)			
7/31/2018						0.035 (J)			
8/1/2018							0.39		
8/10/2018								1.3	
8/23/2018						0.022 (J)	0.39	1.4	
9/19/2018						0.021 (J)	0.43	1.7	
10/29/2018						0.021 (J)	0.4	1.3	
11/28/2018						0.026 (J)	0.51	1.5	
12/18/2018		1.5		1.5					
12/19/2018	1.6						0.41		
12/20/2018			1.4			0.028 (J)		1.6	
1/17/2019								1.5	
2/13/2019								1.7	
3/19/2019			1.1				0.41		
3/20/2019	1.4	1.5		1.5		0.043		1.6	
10/15/2019				1.2					
10/16/2019		1.2					0.36	1.3	
10/17/2019	1.5		0.97			0.064			
12/3/2019						0.027 (J)			
12/4/2019	1.6		0.89						
3/3/2020									
3/4/2020		1.1	0.81	1.2			0.49	1.4	
3/5/2020	1.5					0.044 (J)			
9/15/2020		1.1		1.2					
9/16/2020	1.4		1.2			0.028 (J)	0.47		
9/17/2020								1.9	
3/1/2021									
3/2/2021				1.1		0.044	0.58		
3/3/2021		1	0.91						

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-29I	BRGWC-27I	BRGWC-25I	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-63I
3/4/2021	1.1							1.4	
9/21/2021									
9/22/2021									
9/23/2021						0.029 (J)	0.47		
9/28/2021	0.91	0.9	0.95	1.1	1.3			1.4	
2/1/2022									
2/2/2022	1			1.1	1.6	0.034 (J)	0.48	1.5	
2/3/2022		0.93							
2/4/2022			1						0.67
8/23/2022				1.38			0.547		
8/24/2022		1.13							
8/25/2022	1.07		1.03		1.59	0.0458		1.56	0.672
1/24/2023	1.11								
1/25/2023			1.14		1.47	0.0355		1.79	
1/26/2023		1.07		1.45			0.661		
1/30/2023									0.82
8/22/2023	1.13								
8/23/2023					1.35				0.706
8/24/2023		1.34	1.25	1.95		0.0444	0.689	1.87	
1/30/2024	1.23				1.27		0.618		
1/31/2024		1.11	1.17	1.61					
2/1/2024						0.0355		1.61	0.714
5/8/2024	1.01		1.3						
8/27/2024		1.09	1.28		1.16				
8/28/2024	0.996						0.508	1.44	
8/29/2024				2.04		0.0431			0.731
2/18/2025							0.682		
2/19/2025	1.05	1.56	1.02	1.63	1.13	0.0537		1.67	0.712
8/26/2025	0.833	1.04	1.17			0.0598	0.647		
8/27/2025					0.98			1.42	0.611
8/28/2025				1.65					
2/18/2026									0.598
2/19/2026	0.735	1.02	0.951	1.48	0.966	0.0523	0.588	1.46	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	12.6	19.6	13.5	4.09					
9/1/2016					4.61	3.3	8.98		
9/6/2016								63.3	12.8
9/8/2016									
11/15/2016		21.7				3.44			
11/16/2016	12.1		14.9	4.25	4.17		15.4		
11/17/2016									19.2
11/18/2016									
11/21/2016								60.7	
2/20/2017		21.1	13.9			3.52			
2/21/2017	11.4			4.02	5		17.4		15.1
2/22/2017								62.1	
6/12/2017	9.34	21.5	13.7			3.11			
6/13/2017				3.84	4.98				10.2
6/14/2017							18.1	63.5	
9/26/2017	14.3	24	14.4	3.31	4.49	3.15	19.3		15
9/27/2017								63.5	
2/13/2018	<25	<25	<25	3.94		3.65			
2/14/2018					<25		<25	62.8	<25
3/6/2018									
5/1/2018									
6/26/2018	16 (J)	23.5 (J)	13.5 (J)	3.6	6.4	3.3	15.5 (J)		18.5 (J)
6/27/2018									
6/28/2018								73.3	
7/31/2018					6.1		18.2 (J)		
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	14.5 (J)	19.8 (J)	16.4 (J)	3.8	5.5	3.5	18.7 (J)	102	16.8 (J)
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	14.3 (J)	21.4 (J)	12.3 (J)	3.9	5.9	3.6	15.9 (J)		13.5 (J)
3/20/2019								141	
10/15/2019	15.1	20	14.4	3.7	6.2	3.5	15.9		8.6
10/16/2019									
12/3/2019									
12/4/2019								92.6	
3/3/2020	20	23.2	14.9	4	6.8	5	19.4		
3/4/2020									11.5
3/5/2020								119	
9/15/2020	14.1	16.8	12.7	3.9	5.7	3.7	14.5		10.7
9/16/2020								106	
9/17/2020									
3/1/2021	15.4					4.2			
3/2/2021		16.8	13.2	4	5.4		11.7		11.6
3/3/2021								122	
3/4/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
9/21/2021		19.1	14.1		5.4		16.4		
9/22/2021	15.9			4.3		4.1			9.2
9/23/2021									
9/28/2021								212	
2/1/2022	14.4	19.1	14.5	4.4	5.3	4.2	14.2		10.7
2/2/2022								232	
2/3/2022									
2/4/2022									
8/23/2022	13.9	18.2	14.3	4.65	6.09	3.97	15.8		8.09
8/24/2022								316	
8/25/2022									
1/24/2023	14.2	19.4	15.8	4.86	5.62	3.9	13.7		6.97
1/25/2023									
1/26/2023								361	
1/30/2023									
8/22/2023	12.6	14.9	14.3	5.02		3.79		414	5.95
8/23/2023									
8/24/2023									
1/30/2024	14.1	18.2	16	5.25		4.27		441	6.19
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	12.4	17.2	15.9	5.45		4.19			5.88
8/28/2024								419	
8/29/2024									
2/18/2025	13.8	16.5	16.9	5.76		4.11			7.17
2/19/2025								442	
8/26/2025	12.8	16.3	16.7	5.53		4.2			
8/27/2025								493	7.25
8/28/2025									
2/18/2026	12.1	16	16.1	5.56		4.26			
2/19/2026								485	7.28

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-29I	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	59.4	60.5	87.2	93.9					
11/15/2016									
11/16/2016									
11/17/2016	78.4								
11/18/2016			82.4						
11/21/2016		31.1		99.1					
2/20/2017									
2/21/2017	80.9		75.1						
2/22/2017		67.3		105					
6/12/2017									
6/13/2017	62		61						
6/14/2017		60.2		91.3					
9/26/2017									
9/27/2017	65.8	68.4	72.6	84					
2/13/2018									
2/14/2018	58.8	70.2	74.1	72.1					
3/6/2018					<25	326	39.5		
5/1/2018					<25	305	45.5		
6/26/2018	55.5								
6/27/2018		67.1	68.2	61.1		340			
6/28/2018							41.9		
7/31/2018							41.5		
8/1/2018						358			
8/10/2018								410	
8/23/2018						323	42.3	33.9	
9/19/2018						321	41.9	42.3	
10/29/2018						326	40.8	39.8	
11/28/2018						354	45.1	38.2	
12/18/2018	54.7			52.9					
12/19/2018		61.2				330			
12/20/2018			63.9				39	43.2	
1/17/2019								39.4	
2/13/2019								36.9	
3/19/2019			60.2			335			
3/20/2019	54.2	52.8		55.4			31.2	40.3	
10/15/2019	48.3								
10/16/2019				54		338		48.4	
12/3/2019							43.7		
12/4/2019		52.7	76.8						
3/3/2020									
3/4/2020	52		72.3	59.3		353		49.5	
3/5/2020		52.1					37.9		
9/15/2020	40.1			55.1					
9/16/2020		43.1	62.5			309	39.7		
9/17/2020								35.4	
3/1/2021									
3/2/2021	44.1					353	33.9		
3/3/2021			58.2	73.3					
3/4/2021		35.7						47.5	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-29I	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021									
9/23/2021						336	32		
9/28/2021	38.4	33.9	50.4	59.5	24.2			39.5	
2/1/2022									
2/2/2022	44.3	44.2			25.1	320	33.8	40.1	
2/3/2022				58.7					
2/4/2022			61.7						42.2
8/23/2022	51.5					323			
8/24/2022				61					
8/25/2022		48.5	64		27.2		33.5	38.3	45.1
1/24/2023		46.6							
1/25/2023			55.7		25.1		34.3	36.3	
1/26/2023	57.6			68		331			
1/30/2023									49.8
8/22/2023		45.1							
8/23/2023					26.5				56.8
8/24/2023	69.6		74.4	71.4		347	34	37.4	
1/30/2024		47.4			26	340			
1/31/2024	67.4		60	89.3					
2/1/2024							32.8	36.4	57.3
5/8/2024		37.9	71.2						
8/27/2024			75.9	70.5	24.9				
8/28/2024		37.4				302		36.8	
8/29/2024	77.6						42.9		65.6
2/18/2025						322			
2/19/2025	73	37.7	46.4	119	24.5		44.3	40.1	75.5
8/26/2025		31	56.5	84.6		304	67		
8/27/2025					26.7			42.5	77.3
8/28/2025	74.7								
2/18/2026									88.9
2/19/2026	59.7	31.5	54	94	25.8	321	109	43.4	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	2.3	3.6	4.4	2					
9/1/2016					3.5	2.5	3.3		
9/6/2016								6.7	5.8
9/8/2016									
11/15/2016		4				2.3			
11/16/2016	2		4.4	1.8	3.6		3.6		
11/17/2016									4.3
11/18/2016									
11/21/2016								6.5	
2/20/2017		3.9	4.8			2.4			
2/21/2017	2			1.8	3.2		3.2		3.5
2/22/2017								5.6	
6/12/2017	2.1	3.8	4.2			2.2			
6/13/2017				1.7	3.3				3.2
6/14/2017							3.1	5.7	
9/26/2017	2	4.1	4.4	1.8	3.3	2.3	3.3		3.5
9/27/2017								6	
2/13/2018	2.1	4.1	4.7	1.7		2.3			
2/14/2018					3.5		3.1	5.9	3.8
3/6/2018									
5/1/2018									
6/26/2018	2.4	4.1	4.5	2.2	3.4	2.6	3.4		3.8
6/27/2018									
6/28/2018								7	
7/31/2018					2.9		2.6		
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	1.8	3.8	4.5	1.9	2.9	2.3	2.8	5.8	3.9
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	2.5	4.2	4.5	2	3.5	2.6	3.2		3.8
3/20/2019								5.8	
10/15/2019	2.2	3.7	4.2	1.9	3.4	2.4	3.1		3.5
10/16/2019									
12/3/2019									
12/4/2019								5	
3/3/2020	1.9	3.6	3.9	1.9	3.2	2.9	2.6		
3/4/2020									3.3
3/5/2020								4.3	
9/15/2020	1.9	3.7	3.7	1.7	3.5	2.3	2.4		3.1
9/16/2020								4.4	
9/17/2020									
3/1/2021	1.8					2.1			
3/2/2021		3.7	3.8	1.7	3.7		2.6		3.5
3/3/2021								4	
3/4/2021									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
9/21/2021		3.2	3.2		3.5		2.1		
9/22/2021	1.7			1.5		2.1			2.8
9/23/2021									
9/28/2021								3.4	
2/1/2022	1.8	3.4	3.5	1.6	3.6	2.1	2.2		3.2
2/2/2022								4	
2/3/2022									
2/4/2022									
8/23/2022	2.02	3.59	3.64	2.18	5.46	2.39	2.5		3.16
8/24/2022								4.91	
8/25/2022									
1/24/2023	2.09	3.56	3.93	2.16	3.79	2.3	2.49		2.88
1/25/2023									
1/26/2023								3.82	
1/30/2023									
8/22/2023	1.9	3.37	3.53	2.14		2.34		3.35	2.41
8/23/2023									
8/24/2023									
1/30/2024	2.35	3.52	3.98	2.14		3.23		3.52	2.4
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	2.16	3.49	3.88	2.17		2.28			2.16
8/28/2024								3.48	
8/29/2024									
2/18/2025	2.09	3.34	4.05	2.09		2.25			2.16
2/19/2025								2.9	
8/26/2025	2.1	3.34	4	2.05		2.21			
8/27/2025								2.76	2.13
8/28/2025									
2/18/2026	2.04	3.51	4.04	2.08		2.21			
2/19/2026								2.6	2.04

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-29I	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	5.5	6.8	6	6.4					
11/15/2016									
11/16/2016									
11/17/2016	7.7								
11/18/2016			6.3						
11/21/2016		7.8		6.9					
2/20/2017									
2/21/2017	7.3		5.1						
2/22/2017		7		6.2					
6/12/2017									
6/13/2017	7.5		4.7						
6/14/2017		7.1		7.2					
9/26/2017									
9/27/2017	7.9	7.2	4.9	8.7					
2/13/2018									
2/14/2018	6.7	7.4	5.6	7.2					
3/6/2018					6	8.4	56.6		
5/1/2018					6	5.8	58.5		
6/26/2018	6.7								
6/27/2018		7.1	5.9	6.3		4.4			
6/28/2018							50.2		
7/31/2018							59		
8/1/2018						5.2			
8/10/2018								6.9	
8/23/2018						3.6	54	7.5	
9/19/2018						4.1	58.4	6.6	
10/29/2018						4.3	62.6	7.8	
11/28/2018						5.1	58.1	7.2	
12/18/2018	6.2			5.4					
12/19/2018		7				4.5			
12/20/2018			5.6				47.2	6.6	
1/17/2019								6.4	
2/13/2019								6.5	
3/19/2019			5.8			4.7			
3/20/2019	6.4	7.3		5.6			27.7	6.7	
10/15/2019	5								
10/16/2019				6.9		4.6		7	
12/3/2019							52.8		
12/4/2019		6.6	5.6						
3/3/2020									
3/4/2020	5		5.1	5.8		4.2		6.1	
3/5/2020		6					37.1		
9/15/2020	4.9			5.5					
9/16/2020		5.6	5.4			4.1	54.9		
9/17/2020								6.3	
3/1/2021									
3/2/2021	4.5					4.8	25.8		
3/3/2021			4.5	5.6					
3/4/2021		4.6						5.6	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-29I	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021									
9/23/2021						4.3	29.3		
9/28/2021	4.2	3.6	3.7	5.4	5			5.5	
2/1/2022									
2/2/2022	4.2	3.8			5.5	4.2	23.4	6.1	
2/3/2022				6.1					
2/4/2022			4.6						6.2
8/23/2022	5.38					4.49			
8/24/2022				5.84					
8/25/2022		3.96	4.65		6.28		14.9	6.27	6.15
1/24/2023		4.49							
1/25/2023			3.81		5.84		27.4	6.35	
1/26/2023	6.96			5.59		4.96			
1/30/2023									7.18
8/22/2023		4.3							
8/23/2023					6.83				6.81
8/24/2023	8.47		4.81	6.08		4.67	16.5	6.28	
1/30/2024		4.1			6.36	4.74			
1/31/2024	8.73		4.05	7.94					
2/1/2024							17.2	6.3	7.16
5/8/2024		4.11	5.06						
8/27/2024			4.47	8.87	5.99				
8/28/2024		4.09				4.57		6.58	
8/29/2024	13.7						24.8		6.86
2/18/2025						4.54			
2/19/2025	12.5	3.9	3.08	8.25	6.18		21.2	6.43	7.57
8/26/2025		4.04	3.1	8.6		4.88	18.3		
8/27/2025					6.58			6.96	8.33
8/28/2025	13.3								
2/18/2026									9.3
2/19/2026	7.39	9.64	2.57	9.33	6.8	4.54	13	7.32	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWA-23S (bg)	BRGWC-30I
8/31/2016	0.11 (J)	0.07 (J)	0.19 (J)	0.05 (J)					
9/1/2016					0.05 (J)	0.06 (J)	0.2 (J)		
9/6/2016								0.42	0.43
9/8/2016									
11/15/2016			0.08 (J)			0.04 (J)			
11/16/2016	0.05 (J)	0.03 (J)		0.04 (J)	0.03 (J)		0.14 (J)		
11/17/2016								0.15 (J)	
11/18/2016									
11/21/2016									0.24 (J)
2/20/2017		0.06 (J)	0.08 (J)			0.04 (J)			
2/21/2017	0.14 (J)			0.05 (J)	0.04 (J)		0.16 (J)	0.1 (J)	
2/22/2017									0.2 (J)
6/12/2017	0.16 (J)	0.008 (J)	0.07 (J)			0.06 (J)			
6/13/2017				0.04 (J)	0.008 (J)			0.07 (J)	
6/14/2017							0.09 (J)		0.15 (J)
9/26/2017	0.14 (J)	<0.1	0.04 (J)	<0.1	<0.1	<0.1	0.1 (J)	<0.1	
9/27/2017									0.41
2/13/2018	<0.1	<0.1	<0.1	<0.1		<0.1			
2/14/2018					<0.1		<0.1	<0.1	<0.1
3/6/2018									
5/1/2018									
6/26/2018	0.085 (J)	0.045 (J)	0.072 (J)	0.048 (J)	0.042 (J)	0.041 (J)	0.079 (J)	0.053 (J)	
6/27/2018									
6/28/2018									0.93
7/31/2018									
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	0.085 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.54
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	0.066 (J)	<0.1	0.06 (J)	0.037 (J)	<0.1	0.03 (J)	<0.1	<0.1	
3/20/2019									0.31
8/27/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		0.12 (J)
8/28/2019									
8/29/2019								0.084 (J)	
10/15/2019	<0.1	<0.1	0.045 (J)	<0.1	<0.1	<0.1	0.047 (J)	<0.1	
10/16/2019									
12/3/2019									
12/4/2019									0.26 (J)
3/3/2020	0.066 (J)	<0.1	0.057 (J)	0.05 (J)	<0.1	0.09 (J)	0.056 (J)		
3/4/2020								<0.1	
3/5/2020									0.051 (J)
8/18/2020	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.052 (J)	<0.1	
8/19/2020									0.14
8/20/2020									
9/15/2020	<0.1	<0.1	0.051 (J)	<0.1	<0.1	<0.1	0.062 (J)	<0.1	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWA-23S (bg)	BRGWC-30I
9/16/2020									0.13
9/17/2020									
3/1/2021	<0.1					<0.1			
3/2/2021		<0.1	<0.1	<0.1	<0.1		0.061 (J)	<0.1	
3/3/2021									0.13
3/4/2021									
9/21/2021		<0.1	0.056 (J)		<0.1		0.071 (J)		
9/22/2021	<0.1			<0.1		<0.1		0.069 (J)	
9/23/2021									
9/28/2021									0.11
2/1/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.055 (J)	<0.1	
2/2/2022									0.1
2/3/2022									
2/4/2022									
8/23/2022	<0.1	<0.1	<0.1	<0.1	0.129	<0.1	0.151	0.157	
8/24/2022									0.318
8/25/2022									
1/24/2023	<0.1	0.149	0.158	<0.1	0.0926 (J)	0.12	0.214	0.231	
1/25/2023									
1/26/2023									0.167
1/30/2023									
8/22/2023	0.267	0.289	0.277	0.229		0.0787 (J)		0.114	0.116
8/23/2023									
8/24/2023									
1/30/2024	<0.1	0.232	0.233	0.184		0.0341 (J)		0.275	0.169
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	0.0342 (J)	0.0365 (J)	0.0516 (J)	0.0426 (J)		0.0334 (J)		0.204	
8/28/2024									0.336 (J)
8/29/2024									
2/18/2025	0.0566 (J)	0.0553 (J)	0.0749 (J)	0.0709 (J)		0.0527 (J)		0.0974 (J)	
2/19/2025									0.194
8/26/2025	0.0368 (J)	<0.1	0.0557 (J)	0.0487 (J)		0.0343 (J)			
8/27/2025								0.0836 (J)	0.149
8/28/2025									
2/18/2026	0.0548 (J)	0.0374 (J)	0.057 (J)	0.05 (J)		0.046 (J)			
2/19/2026								<0.1	0.15

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	0.2 (J)	0.14 (J)	0.15 (J)	0.31					
11/15/2016									
11/16/2016									
11/17/2016		0.27 (J)							
11/18/2016				0.19 (J)					
11/21/2016	0.37		0.04 (J)						
2/20/2017									
2/21/2017		0.6		0.35					
2/22/2017	0.37		0.08 (J)						
6/12/2017									
6/13/2017		0.19 (J)		0.19 (J)					
6/14/2017	0.38		0.09 (J)						
9/26/2017									
9/27/2017	0.4	0.5	<0.1	0.4					
2/13/2018									
2/14/2018	<0.1	<0.1	<0.1	<0.1					
3/6/2018					1.1	<0.1	0.94		
5/1/2018					0.89	<0.1	<0.1		
6/26/2018		0.15 (J)							
6/27/2018	0.085 (J)		<0.1	0.26 (J)	0.27 (J)				
6/28/2018							0.69		
7/31/2018							<0.1		
8/1/2018					0.48				
8/10/2018								1.6 (O)	
8/23/2018					0.34		<0.1	0.32	
9/19/2018					0.23 (J)		<0.1	0.22 (J)	
10/29/2018					<0.1		<0.1	0.14 (J)	
11/28/2018					0.063 (J)		<0.1	0.24 (J)	
12/18/2018	0.26 (J)	0.29 (J)							
12/19/2018			0.23 (J)		0.28 (J)				
12/20/2018				0.26 (J)			0.12 (J)	0.3	
1/17/2019								0.23 (J)	
2/13/2019								<0.1	
3/19/2019				0.2 (J)	<0.1				
3/20/2019	0.091 (J)	0.18 (J)	<0.1				0.066 (J)	0.14 (J)	
8/27/2019		0.15 (J)	<0.1						
8/28/2019	0.055 (J)			0.074 (J)	<0.1		<0.1		
8/29/2019								0.087 (J)	
10/15/2019		0.16 (J)							
10/16/2019	0.11 (J)				0.076 (J)			0.22 (J)	
12/3/2019							0.19 (J)		
12/4/2019			0.11 (J)	0.18 (J)					
3/3/2020									
3/4/2020	<0.1	0.07 (J)		<0.1	<0.1			0.1 (J)	
3/5/2020			<0.1				<0.1		
8/18/2020									
8/19/2020	0.12	0.17	<0.1	0.19					
8/20/2020					<0.1		<0.1	0.23	
9/15/2020	0.057 (J)	0.15							

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
9/16/2020			<0.1	0.15	<0.1		0.052 (J)		
9/17/2020								0.074 (J)	
3/1/2021									
3/2/2021		0.15			<0.1		0.067 (J)		
3/3/2021	0.13			0.24					
3/4/2021			<0.1					0.28	
9/21/2021									
9/22/2021									
9/23/2021					<0.1		0.06 (J)		
9/28/2021	0.081 (J)	0.15	<0.1	0.16		0.08 (J)		0.12	
2/1/2022									
2/2/2022		0.15	<0.1		<0.1	0.065 (J)	<0.1	0.098 (J)	
2/3/2022	0.11								
2/4/2022				0.14					0.14
8/23/2022		0.186			<0.1				
8/24/2022	0.103								
8/25/2022			0.138	0.234		0.184	0.166	0.157	0.235
1/24/2023			0.082 (J)						
1/25/2023				0.152		0.13	0.163	0.169	
1/26/2023	0.0935 (J)	0.202			0.117				
1/30/2023									0.23
8/22/2023			0.0477 (J)						
8/23/2023						0.195			0.252
8/24/2023	0.0849 (J)	0.25		0.302	0.243		0.185	0.188 (J)	
1/30/2024			0.207		0.11	0.242			
1/31/2024	0.0968 (J)	0.221		0.222					
2/1/2024							0.126	0.215	0.289
5/8/2024			0.0853 (J)	0.342					
8/27/2024	0.0849 (J)			0.382		0.193			
8/28/2024			0.0511 (J)		<0.1			0.0748 (J)	
8/29/2024		0.248					0.078 (J)		0.139
2/18/2025					0.189				
2/19/2025	0.129	0.281	0.0774 (J)	0.0997 (J)		0.127	0.142	0.152	0.194
8/26/2025	0.109		0.0564 (J)	0.186	0.0971 (J)		0.0663 (J)		
8/27/2025						0.107		0.0985 (J)	0.141
8/28/2025		0.247							
2/18/2026									0.167
2/19/2026	0.0975 (J)	0.261	<0.1	0.147	0.0603 (J)	<0.1	<0.1	<0.1	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	7.16	6.59	6.2	6.53					
9/1/2016					6	6.71	6.49		
9/6/2016								6.23	6.49
9/8/2016									
11/15/2016		6.67					6.59		
11/16/2016	6.96		6.12	6.4	6	6.15			
11/17/2016									5.79
11/18/2016									
11/21/2016								6.23	
2/20/2017		6.65		6.44			6.61		
2/21/2017	7.15		6.24		6.09	6.52			6.15
2/22/2017								6.16	
6/12/2017	7.31	6.64		6.4					
6/13/2017			6.19		6.03				5.87
6/14/2017						6.51		6.16	
9/26/2017	7.02	6.58	6.15	6.31	5.85	6.42	6.47		5.82
9/27/2017								6.16	
2/13/2018	7.44	6.72	6.18	6.62			6.54		
2/14/2018					5.99	6.48		6.24	5.83
3/6/2018									
3/15/2018									
5/1/2018									
6/26/2018	6.93	6.43	6.05	6.29	5.86	6.2	6.23		5.73
6/27/2018									
6/28/2018								6.21	
7/31/2018					5.99	6.37			
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	6.76	6.7	5.92	6.57	6.08	6.5	6.71	6.18	5.78
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	6.87	6.63	6.18	6.45	5.71	6.28	6.18		5.28
3/20/2019								6.24	
8/27/2019	6.79	6.49	6.09	6.37	6	6.35	6.35	6.17	
8/28/2019									
8/29/2019									5.64
10/15/2019	6.57	7.01	6.06	6.77	6.61	6.8	6.36		5.7
10/16/2019									
10/17/2019								6.43	
12/3/2019									
12/4/2019								6.18	
3/3/2020	6.71	6.49	6.1	6.29	5.94	6.33	6.59		
3/4/2020									5.7
3/5/2020								5.99	
5/12/2020									
8/18/2020	6.59	6.41	6.06	6.29	5.95	6.25	6.33		5.56

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-2S (bg)	BRGWA-5I (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWA-6S (bg)	BRGWC-30I	BRGWA-23S (bg)
8/19/2020								6.36	
8/20/2020									
9/15/2020	6.64	6.25	6.01	6.27	6	6.01	6.43		5.72
9/16/2020								6.29	
9/17/2020									
3/1/2021	6.66						6.7		
3/2/2021		6.42	6.2	6.47	5.92	6.11			5.75
3/3/2021								6.29	
3/4/2021									
9/21/2021		6.36		6.32	5.87	6.53			
9/22/2021	6.78		6.06				6.48		5.72
9/23/2021									
9/28/2021								6.33	
2/1/2022	6.83	6.39	5.95	6.38	5.81	6.4	6.54		5.65
2/2/2022								6.34	
2/3/2022									
2/4/2022									
8/23/2022	6.67	6.36	5.95	6.24	5.9	6.39	6.51		5.66
8/24/2022								6.38	
8/25/2022									
10/12/2022			5.69						
1/24/2023	6.7	6.47	5.26	6.42	5.97	6.48	6.54		5.76
1/25/2023									
1/26/2023								6.28	
1/30/2023									
4/24/2023									5.56
4/25/2023									
5/30/2023									
8/22/2023	6.95	6.08	5.96	6.24			6.09	6.44	5.89
8/23/2023									
8/24/2023									
10/30/2023	6.22		5.5				6.28		
1/30/2024	6.57	6.38	6.05	6.44			5.75	6.39	5.87
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	6.6	6.65	6.02	6.56			6.8		5.92
8/28/2024								6.49	
8/29/2024									
2/18/2025	6.42	6.42	5.88	6.17			6.38		5.8
2/19/2025								6.37	
8/26/2025	6.39	6.43	5.79	6.42			6.47		
8/27/2025								6.3	6
8/28/2025									
2/18/2026	6.3	6.31	5.63	6.17			6.38		
2/19/2026								6.41	6.04
2/24/2026									5.85

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-25I	BRGWC-29I	BRGWC-27I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	5.89	6.07	4.62	5.51					
11/15/2016									
11/16/2016									
11/17/2016		5.96							
11/18/2016				5.53					
11/21/2016	5.56		4.44						
2/20/2017									
2/21/2017		5.98		5.63					
2/22/2017	5.87		4.42						
6/12/2017									
6/13/2017		5.96		5.57					
6/14/2017	5.83		4.45						
9/26/2017									
9/27/2017	5.87	5.85	4.33	5.53					
2/13/2018									
2/14/2018	6.01	5.94	4.42	5.83					
3/6/2018					6	6.1	6.15		
3/15/2018							5.26		
5/1/2018					5.85	6.12	6.14		
6/26/2018		5.87							
6/27/2018	5.83		4.37	5.53	5.87				
6/28/2018							5.88		
7/31/2018							6.07		
8/1/2018					5.79				
8/10/2018								6.28	
8/23/2018								6.75	
9/19/2018					5.71		5.9	6.48	
10/29/2018					5.76		5.93	6.77	
11/28/2018					5.74		5.99	6.44	
12/18/2018		5.84	4.38						
12/19/2018	5.79				5.8				
12/20/2018				5.78			6.04	6.75	
1/17/2019								6.41	
2/13/2019								6.42	
3/19/2019				5.75	5.89				
3/20/2019	5.88	6.03	4.4				6.1	6.59	
8/27/2019	5.85	6.01							
8/28/2019			4.39	5.51	5.74		5.86		
8/29/2019								6.27	
10/15/2019		6							
10/16/2019			4.79		5.9			7	
10/17/2019	6.09			6.01			5.93		
12/3/2019							5.94		
12/4/2019	5.83			5.71					
3/3/2020									
3/4/2020		6.02	4.5	5.8	5.76			6.54	
3/5/2020	5.74						5.95		
5/12/2020	5.88								
8/18/2020									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-25I	BRGWC-29I	BRGWC-27I	BRGWC-47	BRGWC-44	BRGWC-45	BRGWC-52I	PZ-63I
8/19/2020	5.97	6.32	4.67	5.81					
8/20/2020					5.75		5.86	6.85	
9/15/2020		6	4.53						
9/16/2020	5.79			5.81	5.76		5.27		
9/17/2020								6.12	
3/1/2021									
3/2/2021		6.1			5.59		6.17		
3/3/2021			4.46	5.9					
3/4/2021	5.98							5.87	
9/21/2021									
9/22/2021									
9/23/2021					5.74		5.95		
9/28/2021	5.82	5.97	4.23	5.82		6.22		6.81	
2/1/2022									
2/2/2022	5.99	6.23			5.75	6.2	5.92	6.35	
2/3/2022			4.23						
2/4/2022				5.97					5.89
8/23/2022		6.11			5.61				
8/24/2022			4.39						
8/25/2022	6.06			6.03		6.06	5.74	6.21	5.65
10/12/2022									
1/24/2023	6.05								
1/25/2023				5.63		6.13	5.82	6.25	
1/26/2023		6.18	4.3		5.65				
1/30/2023									5.66
4/24/2023		6.25					5.9	6.63	
4/25/2023					5.64	6.24			5.59
5/30/2023	5.73								
8/22/2023	5.98								
8/23/2023						6.11			5.68
8/24/2023		6.14	4.48	6.01	5.69		5.71	6.24	
10/30/2023						5.73			
1/30/2024	5.98				5.73	6.18			
1/31/2024		6.31	4.37	5.83					
2/1/2024							5.85	6.3	5.7
5/8/2024	5.93			6.08					
8/27/2024			4.47	5.95		6.19			
8/28/2024	6.05				5.57			6.49	
8/29/2024		6.52					6.26		5.7
2/18/2025					5.73				
2/19/2025	6.11	6.13	3.91	5.44		6.2	5.78	6.26	5.59
8/26/2025	6.14		4.52	5.79	5.79		5.8		
8/27/2025						5.95		6.19	5.57
8/28/2025		6.34							
2/18/2026									5.29
2/19/2026	5.87	6.19	4.31	5.75	5.62	6.03	5.8	6.1	
2/24/2026									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
8/31/2016	7.5	0.81 (J)	2.7	0.38 (J)					
9/1/2016					1.7	0.6 (J)	2.7		
9/6/2016								310	38
9/8/2016									
11/15/2016		0.87 (J)				0.49 (J)			
11/16/2016	6.6		3.4	0.36 (J)	1.2		3.6		
11/17/2016									84
11/18/2016									
11/21/2016								300	
2/20/2017		1	3.9			0.98 (J)			
2/21/2017	6.1			1.5	1.1		3		39
2/22/2017								280	
6/12/2017	5	0.94 (J)	3.7			0.54 (J)			
6/13/2017				0.67 (J)	1.1				35
6/14/2017							2.6	290	
9/26/2017	5.4	0.92 (J)	4.1	0.62 (J)	1.3	0.53 (J)	2.5		89
9/27/2017								260	
2/13/2018	4.7 (J)	<1	6.6	<1		<1			
2/14/2018					<1		2.1 (J)	250	82.2
3/6/2018									
5/1/2018									
6/26/2018	6.2	0.91 (J)	3.5	0.69 (J)	0.84 (J)	0.54 (J)	2		84.2
6/27/2018									
6/28/2018								276	
7/31/2018					0.63 (J)		1.9		
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	5.9	0.68 (J)	4.3	0.72 (J)	0.66 (J)	0.39 (J)	2.1	440	83.4
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	6	0.74 (J)	3	0.78 (J)	0.75 (J)	0.68 (J)	2.2		65
3/20/2019								623	
10/15/2019	5.2	0.68 (J)	3.8	0.47 (J)	0.61 (J)	0.48 (J)	1.9		30
10/16/2019									
12/3/2019									
12/4/2019								327	
3/3/2020	7.1	0.71 (J)	2.8	0.93 (J)	0.51 (J)	2.5	1.8		
3/4/2020									38.6
3/5/2020								369	
9/15/2020	5.9	<1	1.7	<1	<1	<1	1.7		41.5
9/16/2020								334	
9/17/2020									
3/1/2021	4.7					0.74 (J)			
3/2/2021		<1	2.2	<1	0.51		1.7		54
3/3/2021								371	
3/4/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5S (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-12S (bg)	BRGWA-6S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)
9/21/2021		<1	2.3		0.51 (J)		1.7		
9/22/2021	5.2			<1		<1			34.6
9/23/2021									
9/28/2021								612	
2/1/2022	5.4	<1	2	<1	<1	<1	1.4		36.8
2/2/2022								580	
2/3/2022									
2/4/2022									
8/23/2022	5.66	0.521	2.21	0.452	0.636	0.479	1.84		24.4
8/24/2022								935	
8/25/2022									
1/24/2023	3.58	0.66	3.34	0.465	0.628	0.484	1.8		19.7
1/25/2023									
1/26/2023								1030	
1/30/2023									
8/22/2023	6.85	0.54	1.83	0.526		0.467		1250	11.3
8/23/2023									
8/24/2023									
1/30/2024	2.65	0.617	2.74	0.423		0.456		1210	10.4
1/31/2024									
2/1/2024									
5/8/2024									
8/27/2024	2.58	0.652	2.67	0.444		0.465			9.73
8/28/2024								1260	
8/29/2024									
2/18/2025	3.07	0.543	3.16	0.341 (J)		0.468			13.6
2/19/2025								1310	
8/26/2025	2.9	0.585	3.13	0.435		0.485			
8/27/2025								1290	11.5
8/28/2025									
2/18/2026	2.74	0.629	2.95	0.387 (J)		0.33 (J)			
2/19/2026								1290	21.7

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-29I	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016									
9/6/2016									
9/8/2016	280	370	300	460					
11/15/2016									
11/16/2016									
11/17/2016	200								
11/18/2016			320						
11/21/2016		420		500					
2/20/2017									
2/21/2017	360		270						
2/22/2017		380		570					
6/12/2017									
6/13/2017	290		230						
6/14/2017		400		440					
9/26/2017									
9/27/2017	310	400	260	380					
2/13/2018									
2/14/2018	260	383	232	280					
3/6/2018					51.8	1560	111		
5/1/2018					51	1560	112		
6/26/2018	231								
6/27/2018		372	205	281		1450			
6/28/2018							109		
7/31/2018							107		
8/1/2018						1560			
8/10/2018								183	
8/23/2018						1470	108	145	
9/19/2018						1500	117	178	
10/29/2018						1720	127	157	
11/28/2018						1730	133	189	
12/18/2018	231			293					
12/19/2018		370				1520			
12/20/2018			200				113	150	
1/17/2019								157	
2/13/2019								169	
3/19/2019			199			1100			
3/20/2019	240	409		278			127	180	
10/15/2019	174								
10/16/2019				266		1560		155	
12/3/2019							105		
12/4/2019		293	241						
3/3/2020									
3/4/2020	165		205	238		1380		129	
3/5/2020		269					106		
9/15/2020	126			241					
9/16/2020		255	190			1360	103		
9/17/2020								165	
3/1/2021									
3/2/2021	139					1360	98.3		
3/3/2021			172	341					
3/4/2021		185						114	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-32S	BRGWC-27I	BRGWC-29I	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021									
9/23/2021						1240	97.5		
9/28/2021	112	189	137	250	47.2			132	
2/1/2022									
2/2/2022	117	210			45.3	1170	90.1	126	
2/3/2022				274					
2/4/2022			172						195
8/23/2022	158					1410			
8/24/2022				298					
8/25/2022		254	176		47		114	142	234
1/24/2023		247							
1/25/2023			150		41		102	145	
1/26/2023	182			293		1310			
1/30/2023									280
8/22/2023		256							
8/23/2023					49.5				294
8/24/2023	174		94.5	288		1300	114	150	
1/30/2024		246			42.4	1360			
1/31/2024	169		155	328					
2/1/2024							110	145	352
5/8/2024		233	196						
8/27/2024			174	261	41.8				
8/28/2024		201				1310		150	
8/29/2024	216						150		344
2/18/2025						1340			
2/19/2025	204	196	134	346	41.1		169	149	403
8/26/2025		166	146	309		1220	277		
8/27/2025					42			150	436
8/28/2025	201								
2/18/2026									451
2/19/2026	131	143	137	326	43	1210	443	154	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-5S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)	BRGWC-25I
8/31/2016	151	138	88	154					
9/1/2016					69	142			
9/6/2016							505	146	
9/8/2016									460
11/15/2016				123					
11/16/2016	69	77	41		100	100			
11/17/2016								211	611
11/18/2016									
11/21/2016							515		
2/20/2017		170		158					
2/21/2017	68		<10		37	71		151	497
2/22/2017							504		
6/12/2017	161	132		142					
6/13/2017			53		84			130	474
6/14/2017						140	536		
9/26/2017	167	108	45	138	68	149		160	
9/27/2017							432		457
2/13/2018	165	141	63	150					
2/14/2018					138	137	448	194	431
3/6/2018									
5/1/2018									
6/26/2018	188	133	71	154	90	142		221	414
6/27/2018									
6/28/2018							494		
7/31/2018					83	133			
8/1/2018									
8/10/2018									
8/23/2018									
9/19/2018									
10/29/2018									
11/28/2018									
12/18/2018	145	138	78	147	85	135	715	208	401
12/19/2018									
12/20/2018									
1/17/2019									
2/13/2019									
3/19/2019	154	130	68	146	82	132		161	
3/20/2019							885		412
10/15/2019	140	175	66	144	89	134		124	380
10/16/2019									
12/3/2019									
12/4/2019							612		
3/3/2020	155	<10	41	130	72	115			
3/4/2020								118	330
3/5/2020							681		
9/15/2020	116	100	69	116	60	95		109	272
9/16/2020							634		
9/17/2020									
3/1/2021	98								
3/2/2021		80	43	96	43	93		105	280
3/3/2021							690		
3/4/2021									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWA-2I (bg)	BRGWA-5I (bg)	BRGWA-2S (bg)	BRGWA-5S (bg)	BRGWA-12S (bg)	BRGWA-12I (bg)	BRGWC-30I	BRGWA-23S (bg)	BRGWC-25I
9/21/2021		108		104	56	117			
9/22/2021	129		66					128	
9/23/2021									
9/28/2021							1050		270
2/1/2022	126	129	72	124	63	114		130	
2/2/2022							1110		283
2/3/2022									
2/4/2022									
8/23/2022	117	107	45	101	55	104		103	315
8/24/2022							1540		
8/25/2022									
1/24/2023	93	124	63	104	59	114		102	
1/25/2023									
1/26/2023							1680		339
1/30/2023									
8/22/2023	81	80	36	73			1920	70	
8/23/2023									
8/24/2023									354
1/30/2024	98	118	54	113			1970	85	
1/31/2024									391
2/1/2024									
5/8/2024									
8/27/2024	82	107	51	101				86	
8/28/2024							2030		
8/29/2024									492
2/18/2025	84	106	44	92				104	
2/19/2025							2120		419
8/26/2025	89	123	76	115					
8/27/2025							2200	107	
8/28/2025									443
2/18/2026	98	112	68	108					
2/19/2026							2100	99	338

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-32S	BRGWA-6S (bg)	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
8/31/2016									
9/1/2016				299 (O)					
9/6/2016									
9/8/2016	478	654	607						
11/15/2016				41					
11/16/2016									
11/17/2016									
11/18/2016	503								
11/21/2016		819	695						
2/20/2017				133					
2/21/2017	380								
2/22/2017		721	635						
6/12/2017				61					
6/13/2017	354								
6/14/2017		661	635						
9/26/2017				29					
9/27/2017	376	518	601						
2/13/2018				61					
2/14/2018	503	487	628						
3/6/2018					191	2200	346		
5/1/2018					189	2080	374		
6/26/2018				71					
6/27/2018	458	648	2280			31			
6/28/2018							333		
7/31/2018							393		
8/1/2018						2190			
8/10/2018								344	
8/23/2018						2160	350	333	
9/19/2018						2160	353	364	
10/29/2018						2130	329	334	
11/28/2018						2320	358	357	
12/18/2018		407		70					
12/19/2018			605			2060			
12/20/2018	344						322	355	
1/17/2019								347	
2/13/2019								350	
3/19/2019	334			72		2050			
3/20/2019		391	564				302	366	
10/15/2019				63					
10/16/2019		2030				2220		346	
12/3/2019							362		
12/4/2019	422		526						
3/3/2020				54					
3/4/2020	326	391				2140		351	
3/5/2020			489				297		
9/15/2020		281		79					
9/16/2020	301		428			2090	275		
9/17/2020								329	
3/1/2021				39					
3/2/2021						1680	264		
3/3/2021	288	515							
3/4/2021			350					383	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 5/29/2026 11:07 AM View: Appendix III - Interwell PLs

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-32S	BRGWA-6S (bg)	BRGWC-44	BRGWC-47	BRGWC-45	BRGWC-52I	PZ-63I
9/21/2021									
9/22/2021				62					
9/23/2021						1770	277		
9/28/2021	262	457	375		181			336	
2/1/2022				61					
2/2/2022			443		181	1850	276	160	
2/3/2022		419							
2/4/2022	301								403
8/23/2022				52		2060			
8/24/2022		383							
8/25/2022	311		437		167		248	296	419
1/24/2023			425	64					
1/25/2023	260				156		251	276	
1/26/2023		419				2010			
1/30/2023									448
8/22/2023			412	30					
8/23/2023					184				503
8/24/2023	309	418				1970	242	281	
1/30/2024			418	45	179	2160			
1/31/2024	299	535							
2/1/2024							255	303	561
5/8/2024	371		363						
8/27/2024	346	424		57	180				
8/28/2024			374			1780		310	
8/29/2024							353		625
2/18/2025				46		1960			
2/19/2025	222	519	351		131		348	298	664
8/26/2025	275	503	309	48		1940	527		
8/27/2025					176			308	712
8/28/2025									
2/18/2026				51					763
2/19/2026	264	508	284		169	1890	761	321	

FIGURE F.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:14 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWC-29I	-0.06825	-116	-98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-32S	-0.07163	-157	-111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-44	-0.1474	-54	-38	Yes	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-47	0.02924	148	105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2S (bg)	0.2176	159	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-5I (bg)	0.2882	107	98	Yes	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-5S (bg)	-0.6063	-126	-98	Yes	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-6S (bg)	0.1083	150	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-23S (bg)	-1.013	-160	-98	Yes	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-27I	-2.179	-118	-105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-30I	49.67	226	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-32S	-3.405	-152	-105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	PZ-63I	11.25	36	25	Yes	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5S (bg)	-0.06175	-146	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-12I (bg)	-0.1919	-99	-68	Yes	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-23S (bg)	-0.2298	-192	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-32S	-0.4204	-138	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-45	-5.901	-186	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	PZ-63I	0.6788	26	25	Yes	9	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2I (bg)	-0.07952	-198	-118	Yes	26	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-2S (bg)	-0.04485	-208	-124	Yes	27	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-5S (bg)	-0.03691	-135	-111	Yes	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-2I (bg)	-0.3621	-123	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5S (bg)	-0.03245	-99	-98	Yes	23	21.74	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-12I (bg)	-0.2108	-113	-68	Yes	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-12S (bg)	-0.126	-88	-68	Yes	18	16.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-23S (bg)	-6.533	-151	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-25I	-14.32	-103	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-27I	-14.48	-197	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-30I	119	186	98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-32S	-26.84	-192	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWC-47	-39.27	-144	-105	Yes	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	PZ-63I	63.54	34	25	Yes	9	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-2I (bg)	-8.606	-102	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5S (bg)	-6.029	-146	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-23S (bg)	-8.69	-150	-98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-27I	-17.77	-160	-105	Yes	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-30I	198.4	203	98	Yes	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-32S	-38.3	-215	-105	Yes	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	PZ-63I	98.15	36	25	Yes	9	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:14 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BRGWA-2I (bg)	0.0001509	43	98	No	23	34.78	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-2S (bg)	0	-42	-98	No	23	78.26	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5I (bg)	0	-48	-98	No	23	65.22	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-5S (bg)	0	-41	-98	No	23	47.83	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-6S (bg)	0	-35	-98	No	23	69.57	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12I (bg)	-0.00006578	-7	-63	No	17	17.65	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-12S (bg)	0	-7	-63	No	17	76.47	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWA-23S (bg)	-0.0005891	-16	-98	No	23	8.696	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-25I	0.008639	10	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BRGWC-27I	-0.04023	-76	-111	No	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-29I**	**-0.06825**	**-116**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-30I	0.03628	83	105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	**BRGWC-32S**	**-0.07163**	**-157**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-44**	**-0.1474**	**-54**	**-38**	**Yes**	**12**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**BRGWC-47**	**0.02924**	**148**	**105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Boron (mg/L)	BRGWC-52I	0.01371	47	98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	PZ-63I	-0.01905	-6	-25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-2I (bg)	-0.03083	-13	-98	No	23	4.348	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-2S (bg)**	**0.2176**	**159**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5I (bg)**	**0.2882**	**107**	**98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-5S (bg)**	**-0.6063**	**-126**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWA-6S (bg)**	**0.1083**	**150**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWA-12I (bg)	-0.2348	-12	-68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWA-12S (bg)	0.1273	28	68	No	18	5.556	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWA-23S (bg)**	**-1.013**	**-160**	**-98**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-25I	-0.4179	-11	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-27I**	**-2.179**	**-118**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-29I	0.3107	7	98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**BRGWC-30I**	**49.67**	**226**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**BRGWC-32S**	**-3.405**	**-152**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	BRGWC-44	0.09381	12	38	No	12	16.67	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-45	-0.5098	-21	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-47	-1.021	-41	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BRGWC-52I	-0.2433	-18	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**PZ-63I**	**11.25**	**36**	**25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-2I (bg)	0	-8	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-2S (bg)	0.02936	51	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWA-5I (bg)	-0.07759	-94	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-5S (bg)**	**-0.06175**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-6S (bg)	-0.01122	-52	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-12I (bg)**	**-0.1919**	**-99**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWA-12S (bg)	0.06545	54	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWA-23S (bg)**	**-0.2298**	**-192**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-25I	0.1429	26	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BRGWC-29I	0.1365	33	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-32S**	**-0.4204**	**-138**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-44	0.1443	29	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**BRGWC-45**	**-5.901**	**-186**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	BRGWC-52I	-0.05993	-52	-98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**PZ-63I**	**0.6788**	**26**	**25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2I (bg)**	**-0.07952**	**-198**	**-118**	**Yes**	**26**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**BRGWA-2S (bg)**	**-0.04485**	**-208**	**-124**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-5I (bg)	-0.01855	-80	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	**BRGWA-5S (bg)**	**-0.03691**	**-135**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH, Field (SU)	BRGWA-6S (bg)	-0.01337	-40	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12I (bg)	-0.02367	-31	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-12S (bg)	-0.01693	-51	-81	No	20	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWA-23S (bg)	0.004115	15	124	No	27	0	n/a	n/a	0.01	NP
pH, Field (SU)	BRGWC-29I	-0.012	-48	-111	No	25	0	n/a	n/a	0.01	NP
pH, Field (SU)	PZ-63I	-0.07401	-19	-30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-2I (bg)**	**-0.3621**	**-123**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-2S (bg)	-0.02863	-57	-98	No	23	21.74	n/a	n/a	0.01	NP
Sulfate (mg/L)	BRGWA-5I (bg)	-0.1225	-73	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWA-5S (bg)**	**-0.03245**	**-99**	**-98**	**Yes**	**23**	**21.74**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWA-6S (bg)	-0.01203	-76	-98	No	23	17.39	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

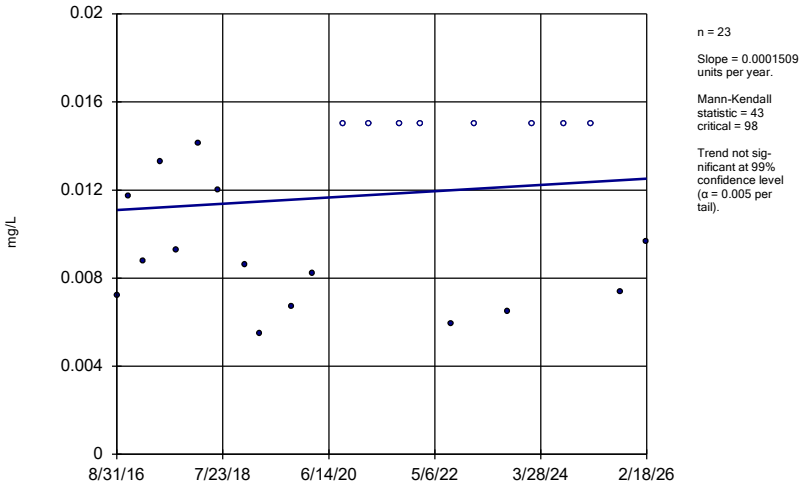
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 5/29/2026, 11:14 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	**BRGWA-12I (bg)**	**-0.2108**	**-113**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-12S (bg)**	**-0.126**	**-88**	**-68**	**Yes**	**18**	**16.67**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWA-23S (bg)**	**-6.533**	**-151**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-25I**	**-14.32**	**-103**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-27I**	**-14.48**	**-197**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-29I	-8.69	-48	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-30I**	**119**	**186**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**BRGWC-32S**	**-26.84**	**-192**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-45	2.009	40	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**BRGWC-47**	**-39.27**	**-144**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	BRGWC-52I	-2.326	-65	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**PZ-63I**	**63.54**	**34**	**25**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWA-2I (bg)**	**-8.606**	**-102**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-2S (bg)	0	4	98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-5I (bg)	-2.691	-65	-98	No	23	4.348	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-5S (bg)**	**-6.029**	**-146**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWA-6S (bg)	-2.075	-54	-92	No	22	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12I (bg)	-5.117	-61	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWA-12S (bg)	-5.699	-57	-68	No	18	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWA-23S (bg)**	**-8.69**	**-150**	**-98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-25I	-16.34	-83	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-27I**	**-17.77**	**-160**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-29I	-18.29	-63	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**BRGWC-30I**	**198.4**	**203**	**98**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**BRGWC-32S**	**-38.3**	**-215**	**-105**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.01**	**NP**
TDS (mg/L)	BRGWC-45	-13.38	-67	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-47	-32.59	-102	-105	No	24	0	n/a	n/a	0.01	NP
TDS (mg/L)	BRGWC-52I	-7.217	-95	-98	No	23	0	n/a	n/a	0.01	NP
TDS (mg/L)	**PZ-63I**	**98.15**	**36**	**25**	**Yes**	**9**	**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 = 23

Slope = 0.0001509 units per year.

Mann-Kendall statistic = 43
critical = 98

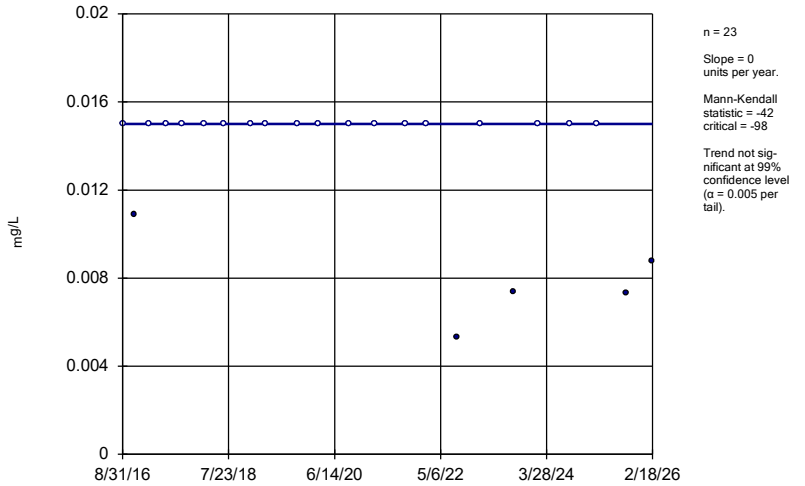
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = -42
critical = -98

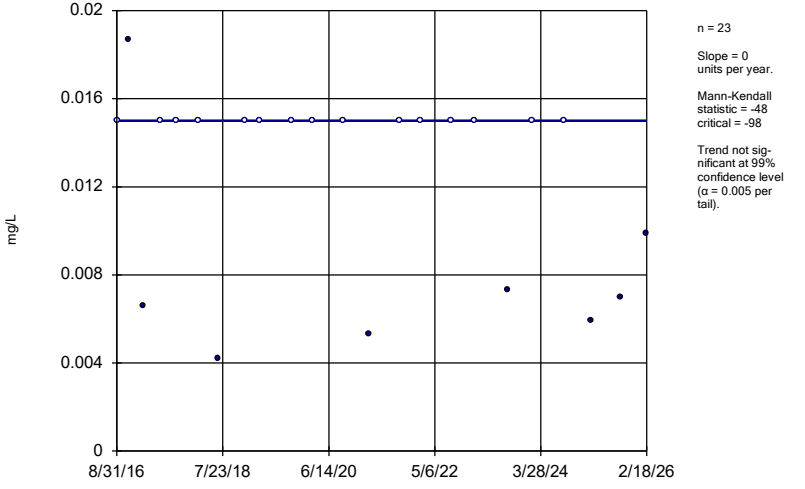
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = -48
critical = -98

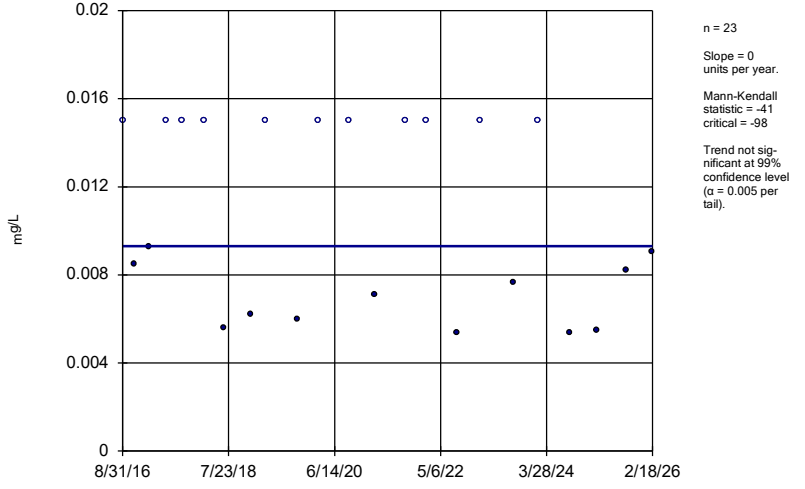
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = -41
critical = -98

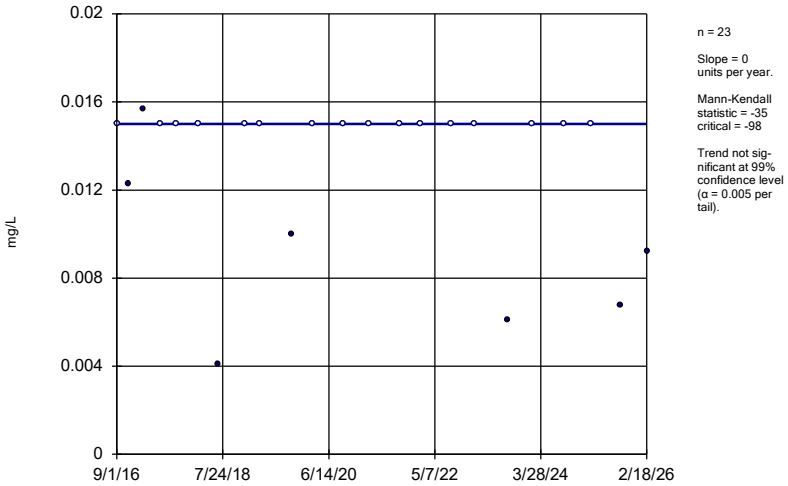
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -35
critical = -98

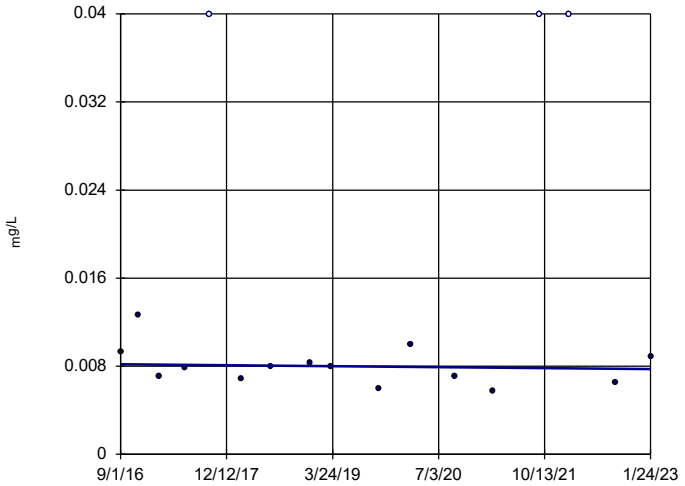
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 17

Slope = -0.00006578 units per year.

Mann-Kendall statistic = -7
critical = -63

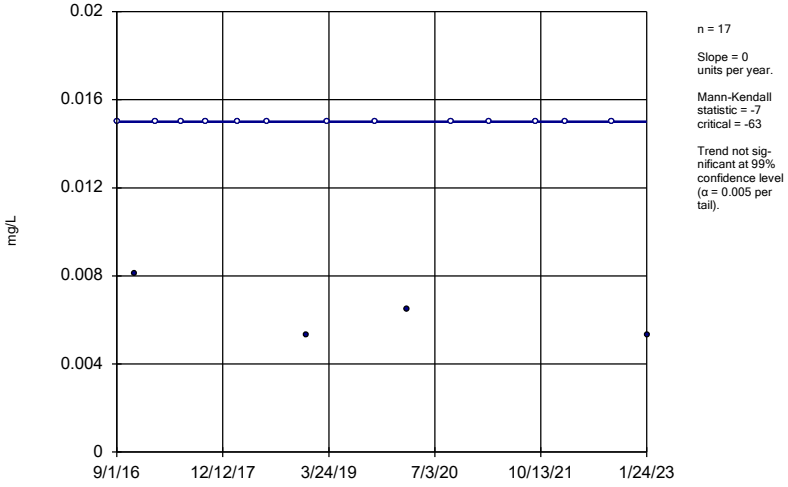
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -63

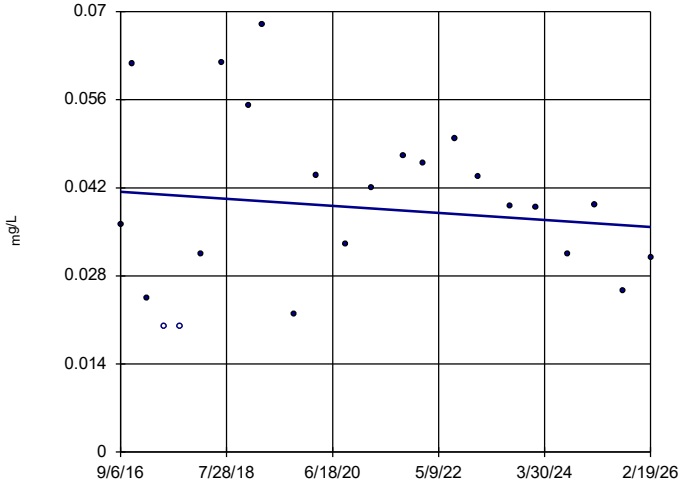
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -0.0005891 units per year.

Mann-Kendall statistic = -16
critical = -98

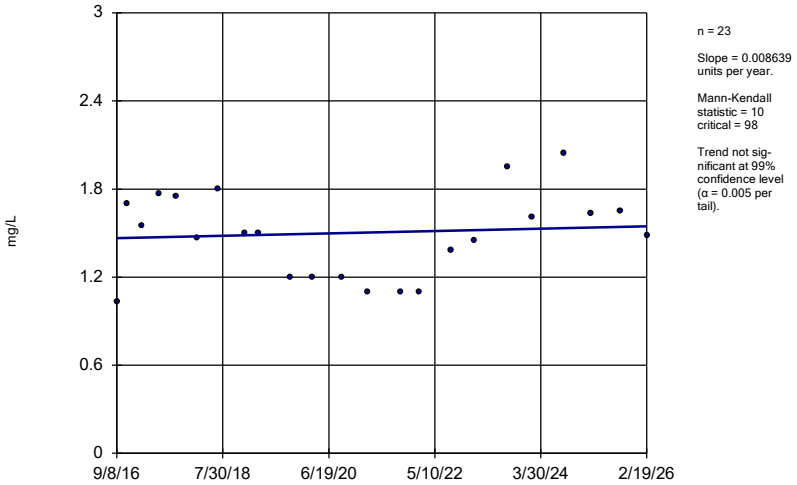
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 23

Slope = 0.008639 units per year.

Mann-Kendall statistic = 10
critical = 98

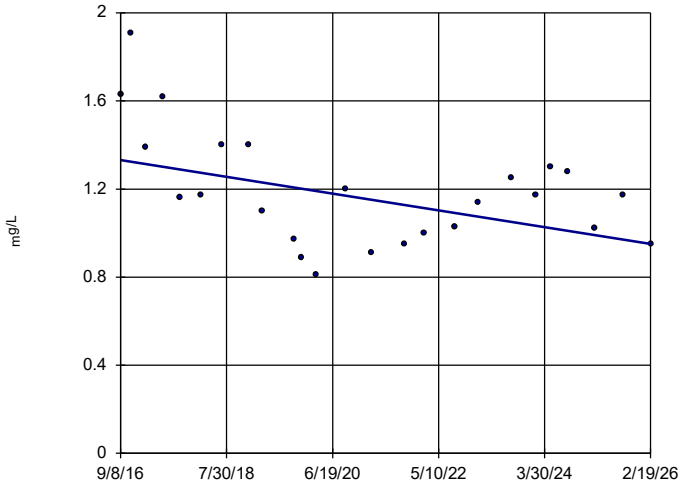
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 25

Slope = -0.04023 units per year.

Mann-Kendall statistic = -76
critical = -111

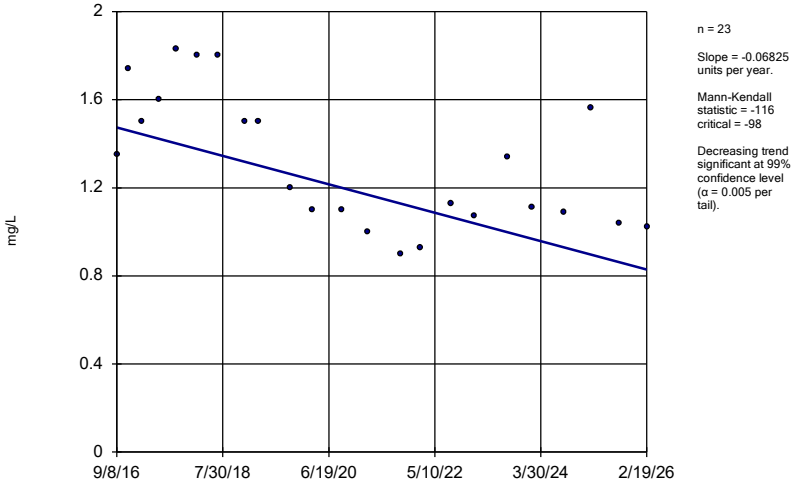
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 23

Slope = -0.06825 units per year.

Mann-Kendall statistic = -116
critical = -98

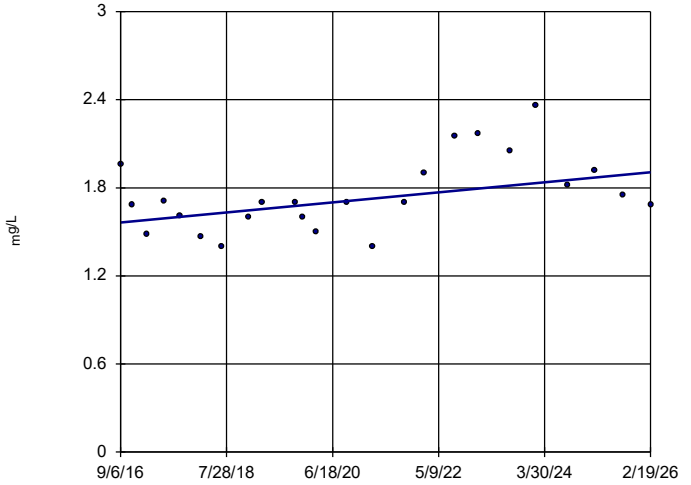
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 24

Slope = 0.03628 units per year.

Mann-Kendall statistic = 83
critical = 105

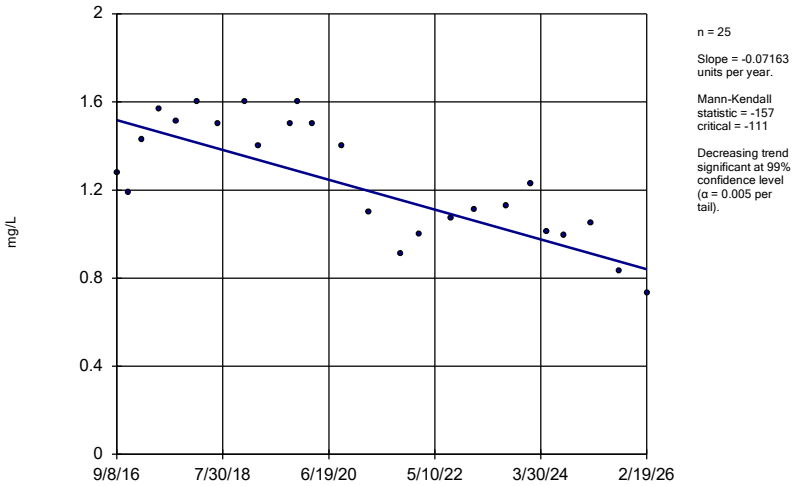
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 25

Slope = -0.07163 units per year.

Mann-Kendall statistic = -157 critical = -111

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

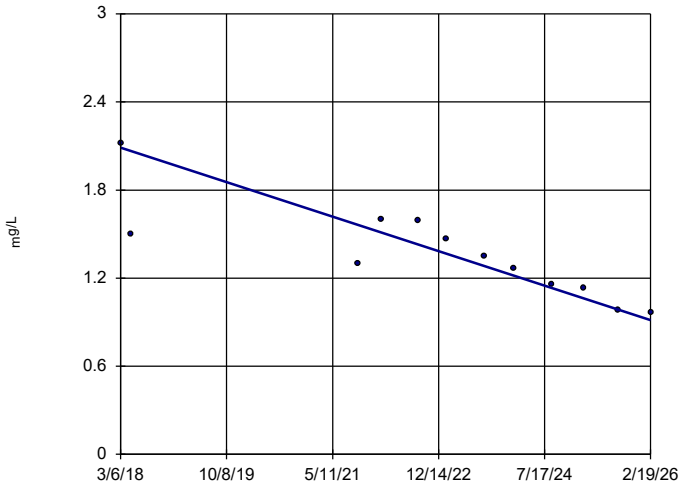
Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-44



n = 12

Slope = -0.1474 units per year.

Mann-Kendall statistic = -54 critical = -38

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

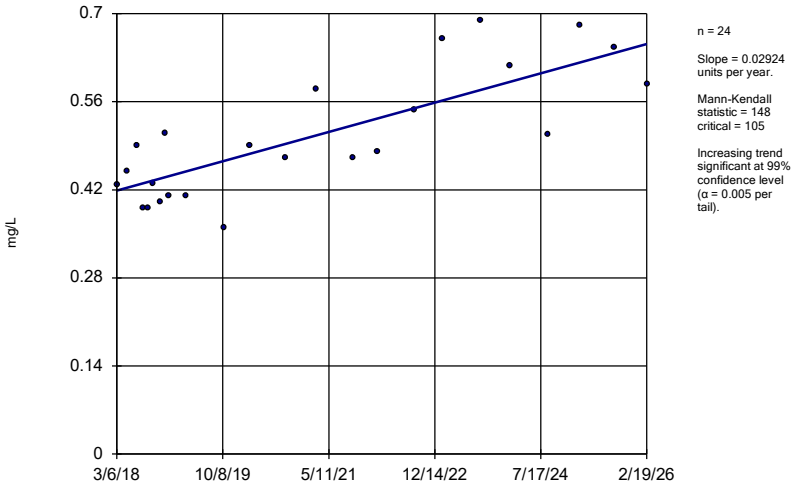
Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

BRGWC-47



n = 24

Slope = 0.02924 units per year.

Mann-Kendall statistic = 148 critical = 105

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

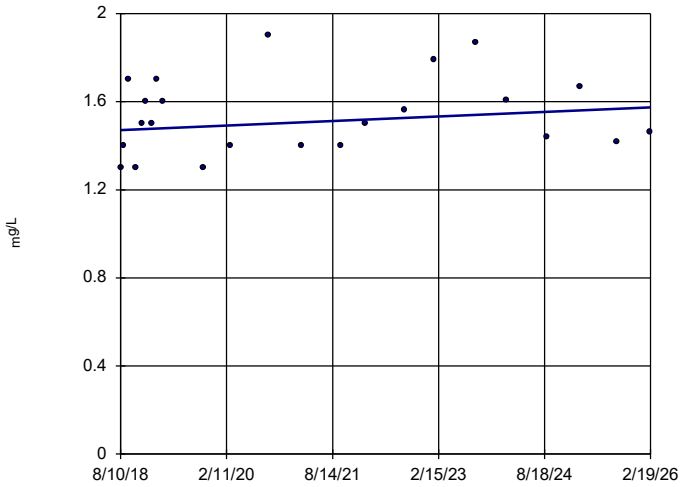
Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 23

Slope = 0.01371 units per year.

Mann-Kendall statistic = 47 critical = 98

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

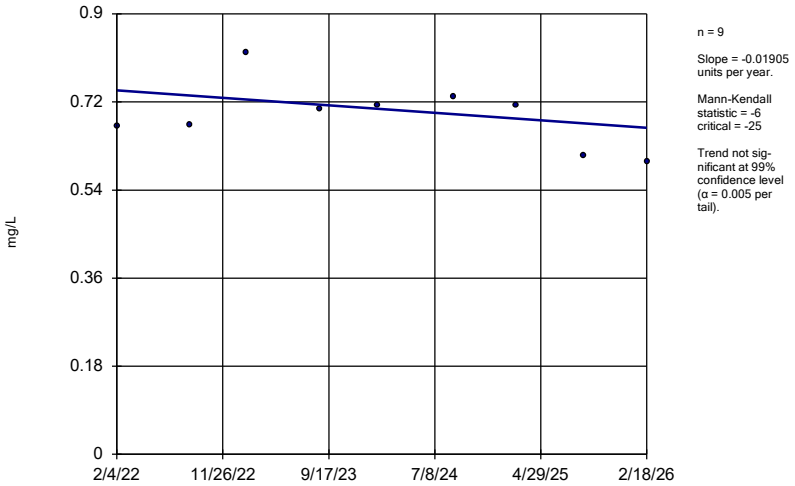
Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-63I



n = 9

Slope = -0.01905 units per year.

Mann-Kendall statistic = -6
critical = -25

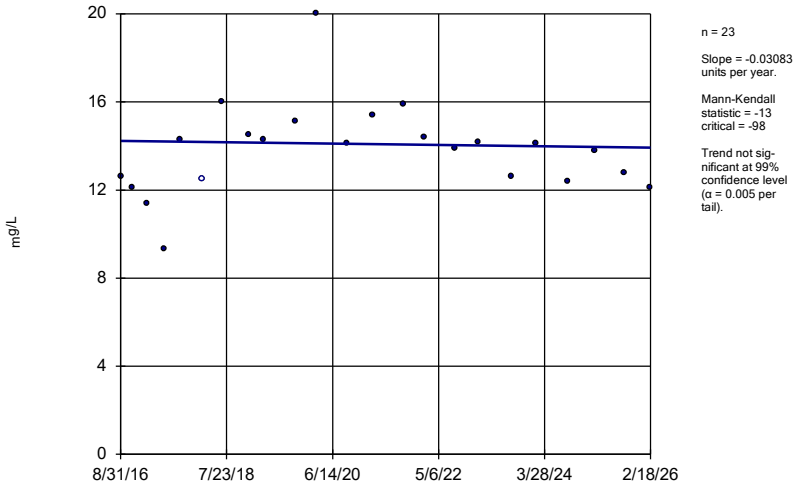
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = -0.03083 units per year.

Mann-Kendall statistic = -13
critical = -98

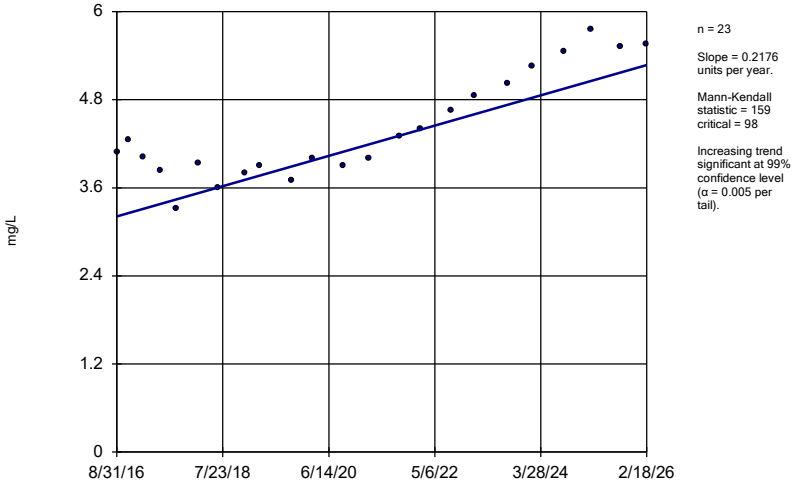
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = 0.2176 units per year.

Mann-Kendall statistic = 159
critical = 98

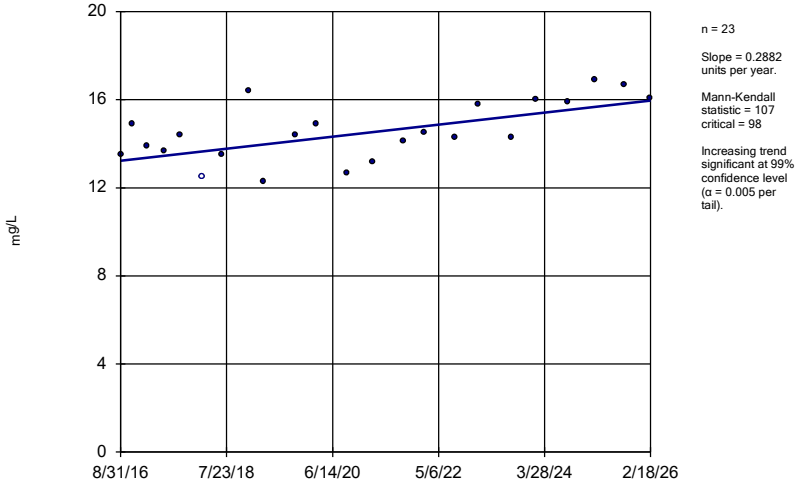
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = 0.2882 units per year.

Mann-Kendall statistic = 107
critical = 98

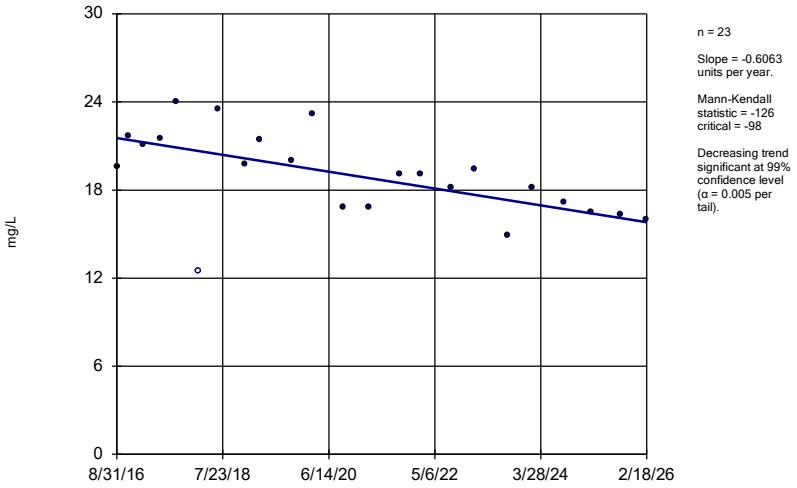
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -0.6063 units per year.

Mann-Kendall statistic = -126
critical = -98

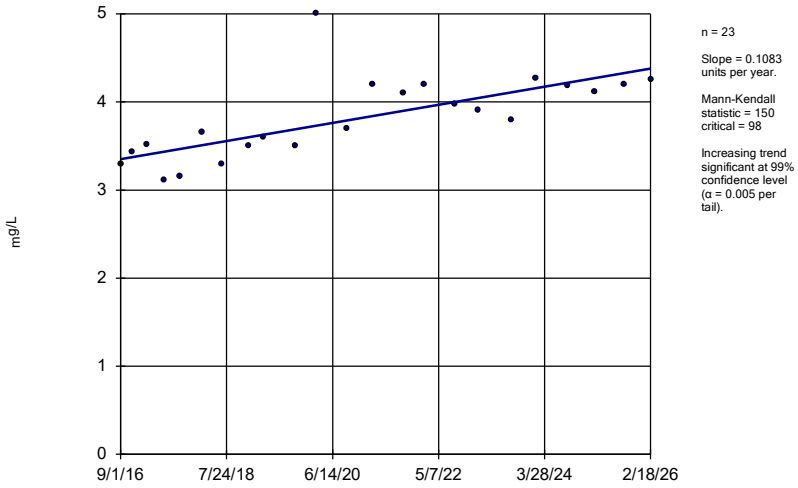
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = 0.1083 units per year.

Mann-Kendall statistic = 150
critical = 98

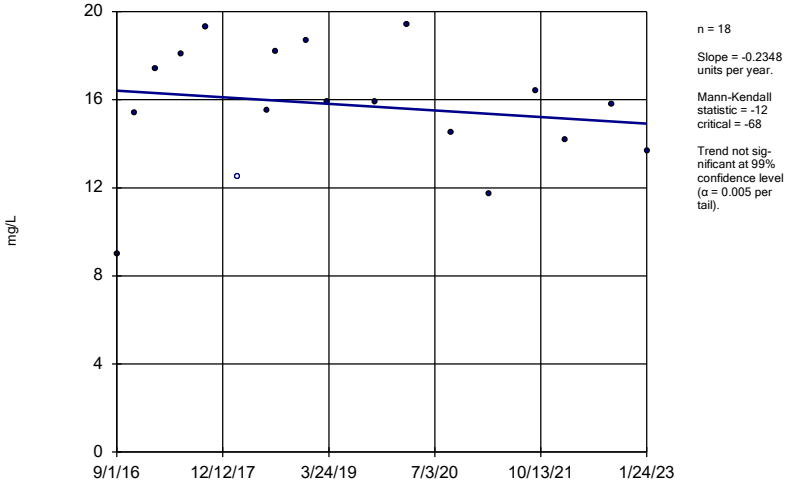
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.2348 units per year.

Mann-Kendall statistic = -12
critical = -68

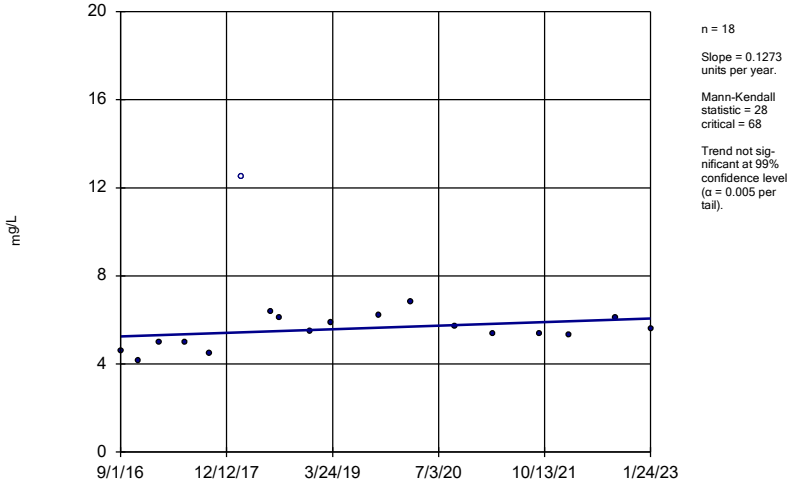
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.1273 units per year.

Mann-Kendall statistic = 28
critical = 68

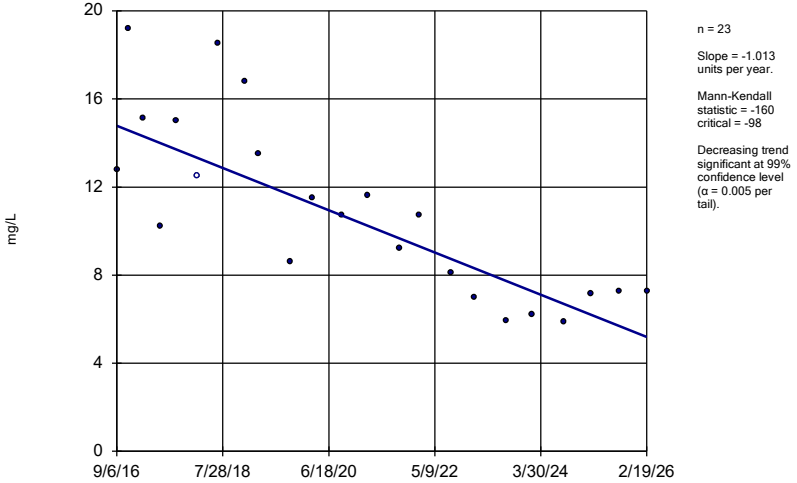
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -1.013 units per year.

Mann-Kendall statistic = -160 critical = -98

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

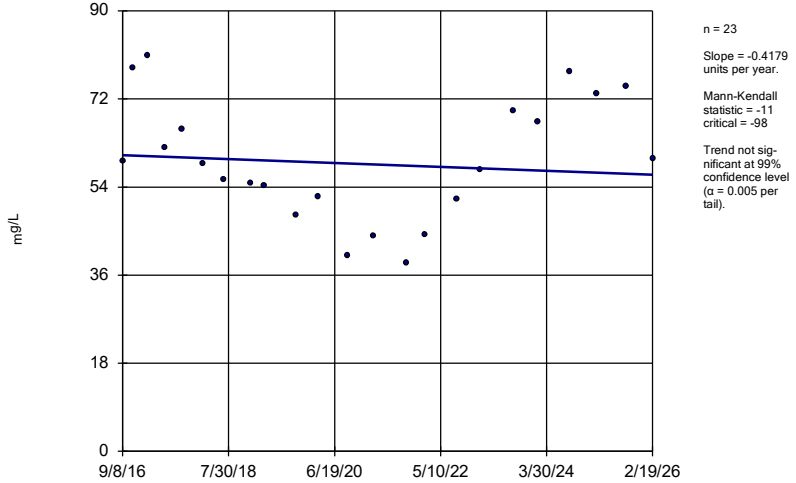
Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 23

Slope = -0.4179 units per year.

Mann-Kendall statistic = -11 critical = -98

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

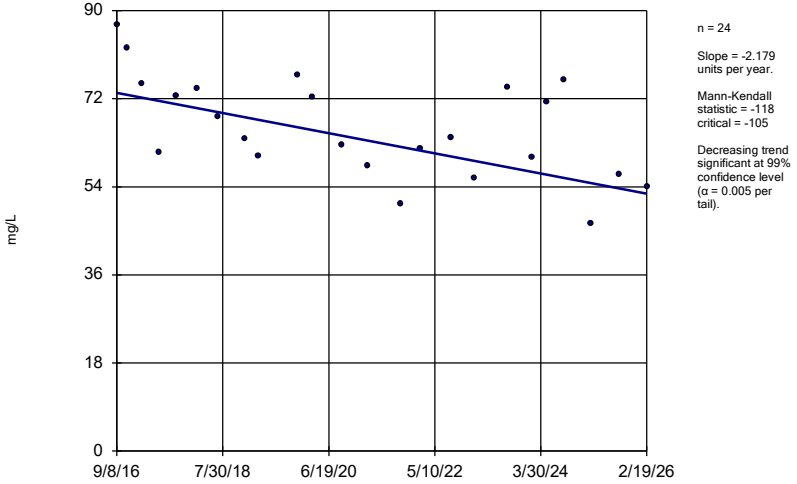
Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 24

Slope = -2.179 units per year.

Mann-Kendall statistic = -118 critical = -105

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

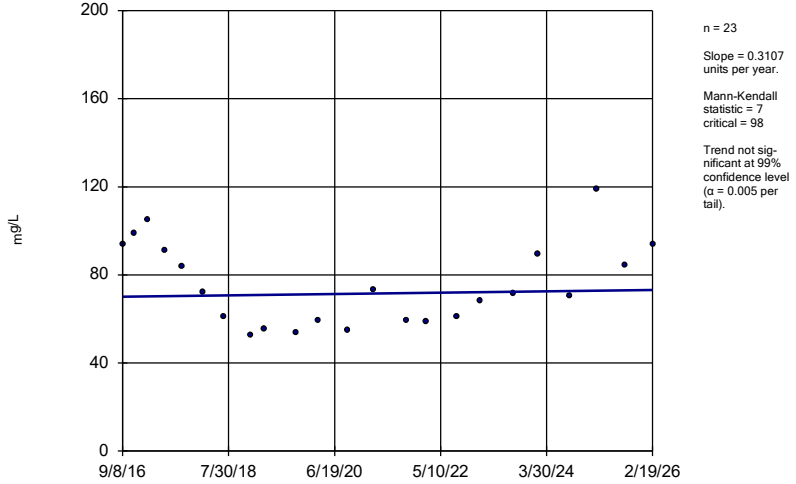
Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 23

Slope = 0.3107 units per year.

Mann-Kendall statistic = 7 critical = 98

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

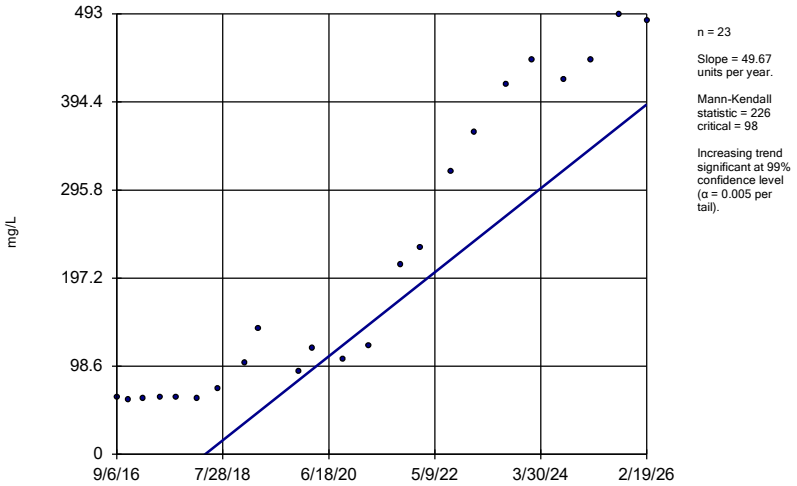
Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 23

Slope = 49.67 units per year.

Mann-Kendall statistic = 226
critical = 98

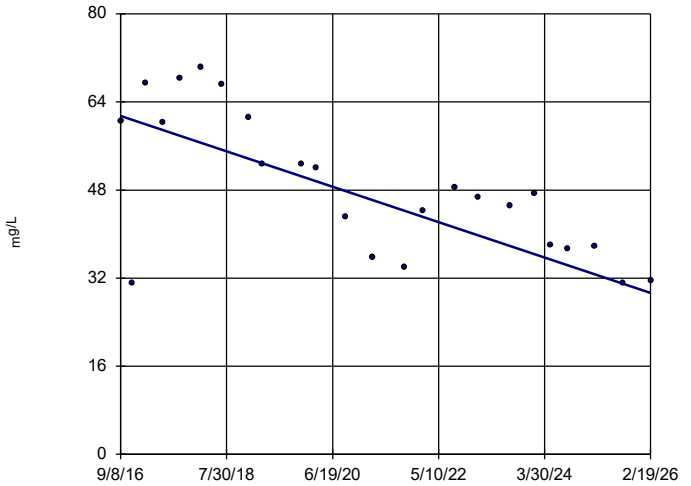
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 24

Slope = -3.405 units per year.

Mann-Kendall statistic = -152
critical = -105

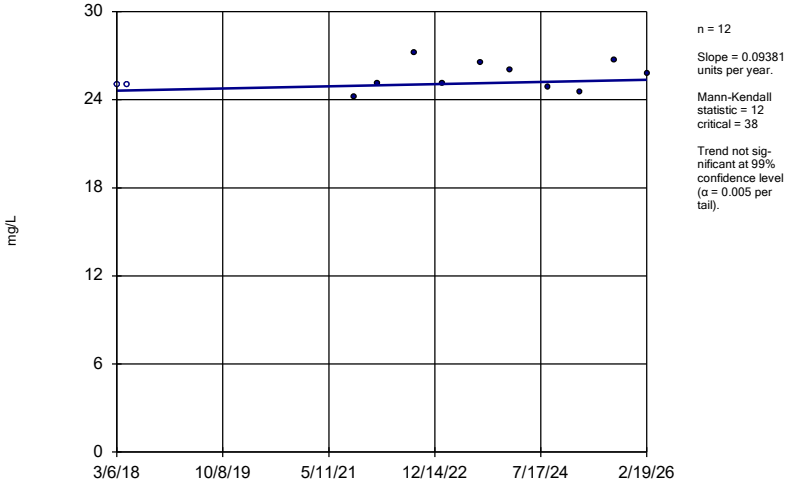
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWC-44



n = 12

Slope = 0.09381 units per year.

Mann-Kendall statistic = 12
critical = 38

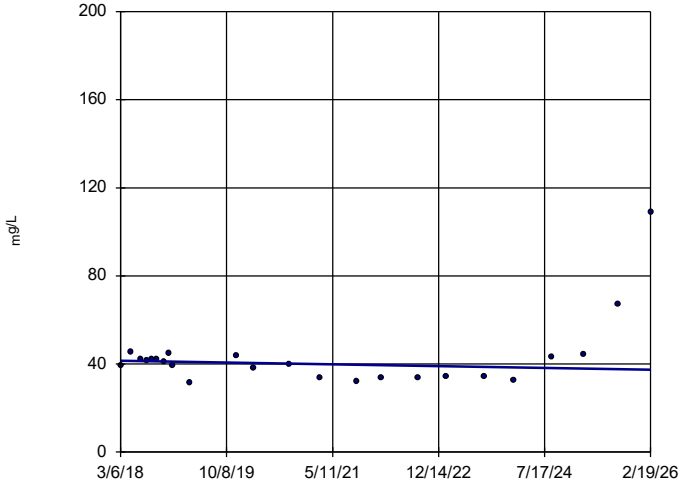
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 24

Slope = -0.5098 units per year.

Mann-Kendall statistic = -21
critical = -105

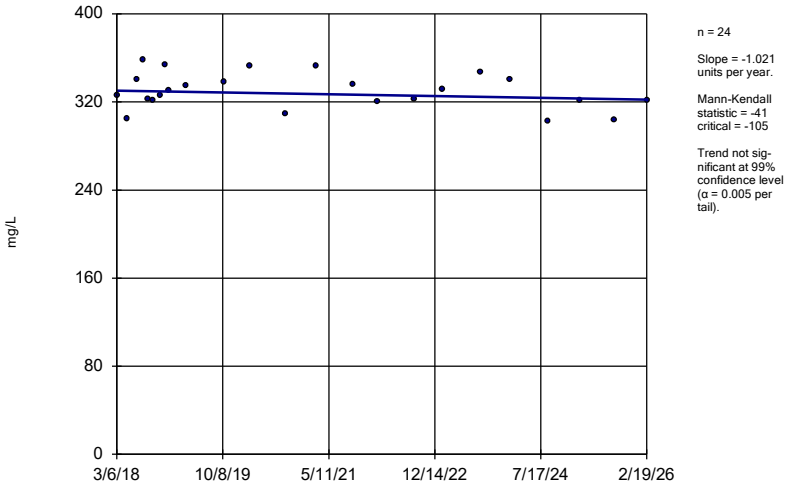
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-47



n = 24

Slope = -1.021 units per year.

Mann-Kendall statistic = -41 critical = -105

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

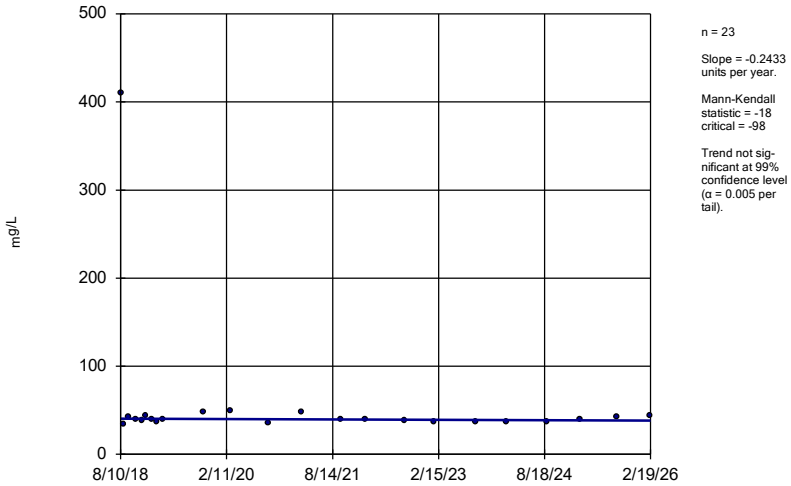
Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 23

Slope = -0.2433 units per year.

Mann-Kendall statistic = -18 critical = -98

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

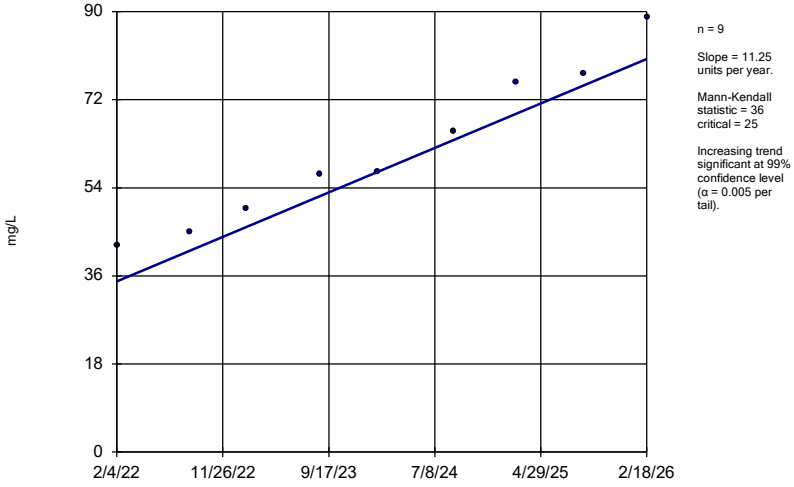
Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 9

Slope = 11.25 units per year.

Mann-Kendall statistic = 36 critical = 25

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

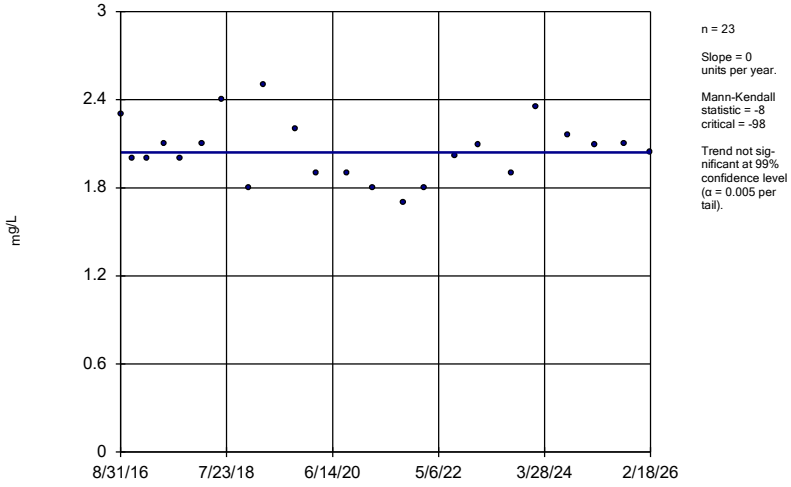
Constituent: Calcium Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -8 critical = -98

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

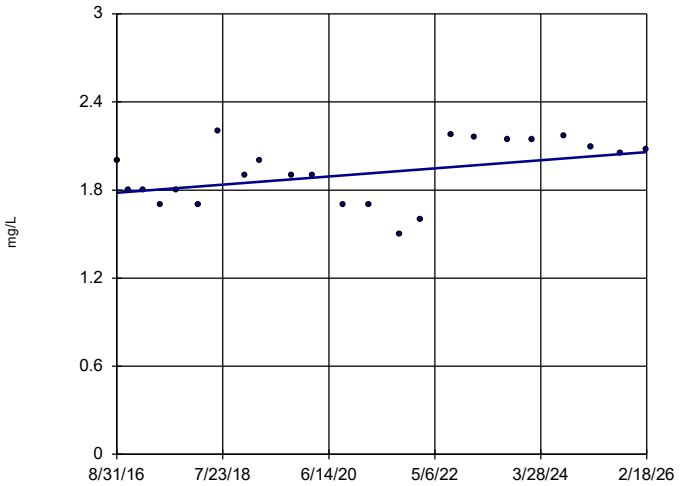
Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = 0.02936 units per year.

Mann-Kendall statistic = 51 critical = 98

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

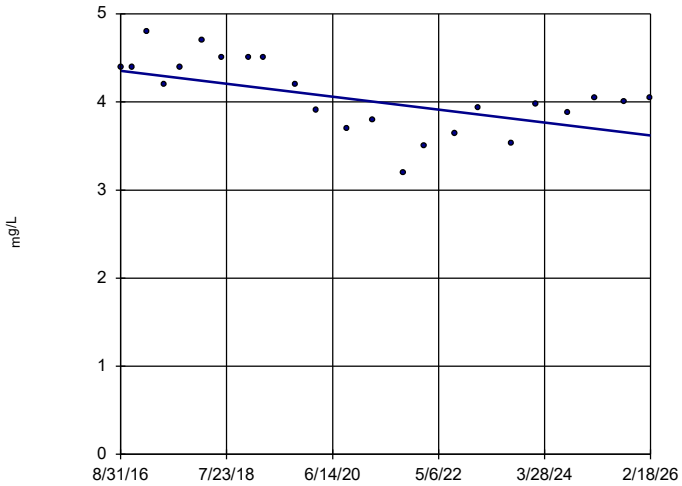
Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -0.07759 units per year.

Mann-Kendall statistic = -94 critical = -98

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

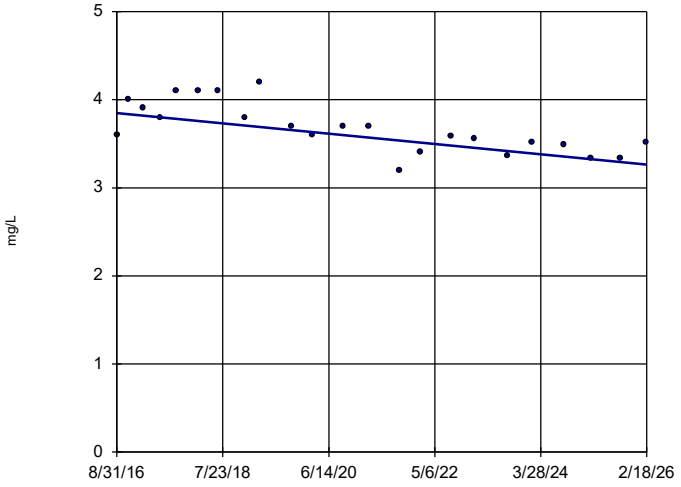
Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -0.06175 units per year.

Mann-Kendall statistic = -146 critical = -98

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

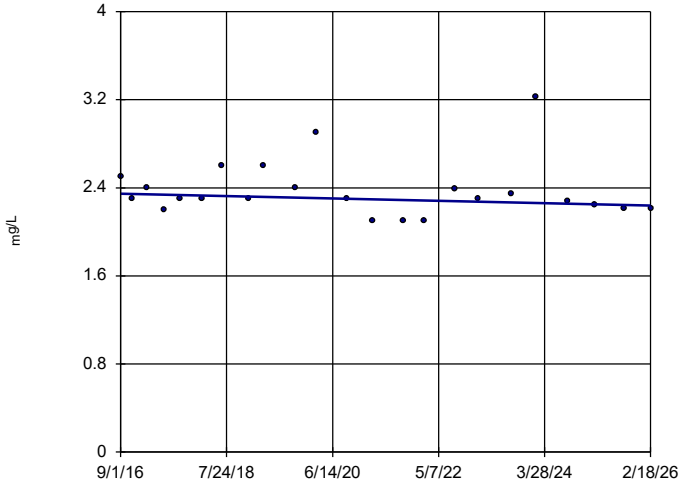
Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = -0.01122 units per year.

Mann-Kendall statistic = -52 critical = -98

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

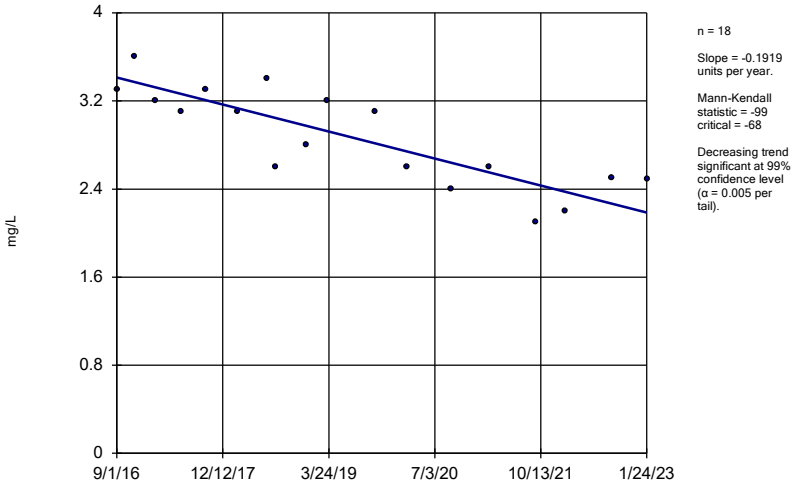
Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.1919 units per year.

Mann-Kendall statistic = -99
critical = -68

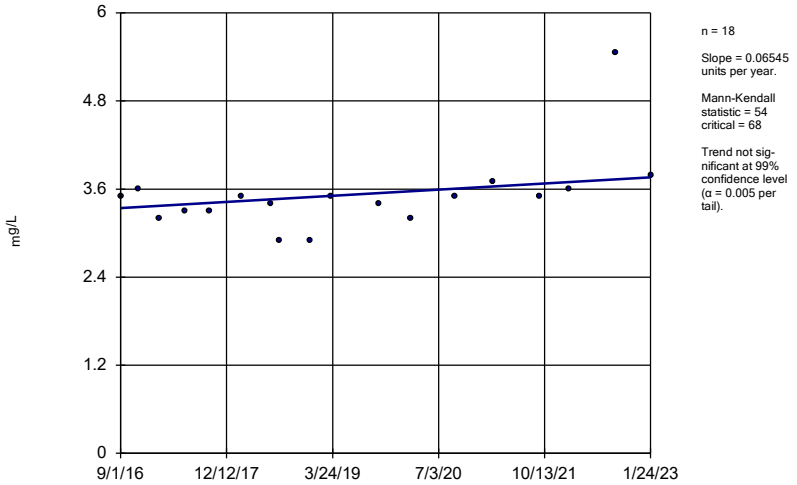
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0.06545 units per year.

Mann-Kendall statistic = 54
critical = 68

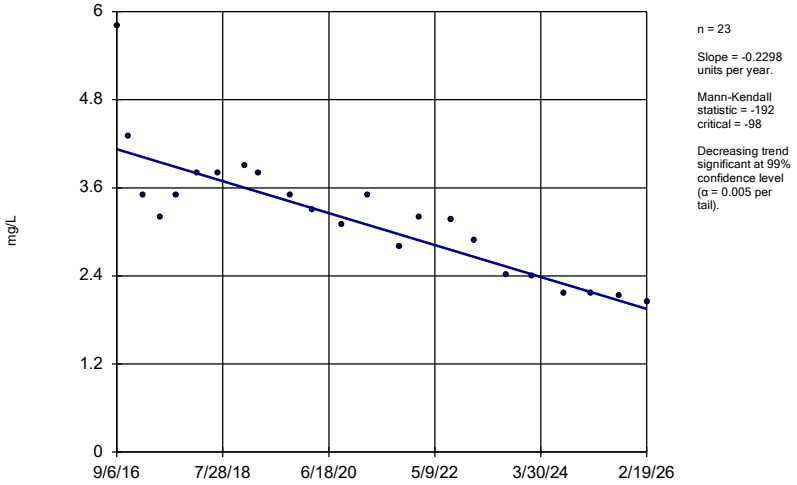
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -0.2298 units per year.

Mann-Kendall statistic = -192
critical = -98

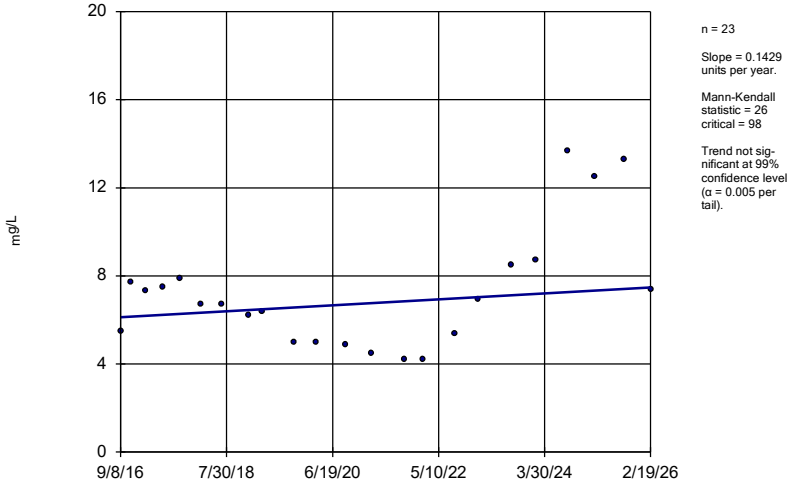
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 23

Slope = 0.1429 units per year.

Mann-Kendall statistic = 26
critical = 98

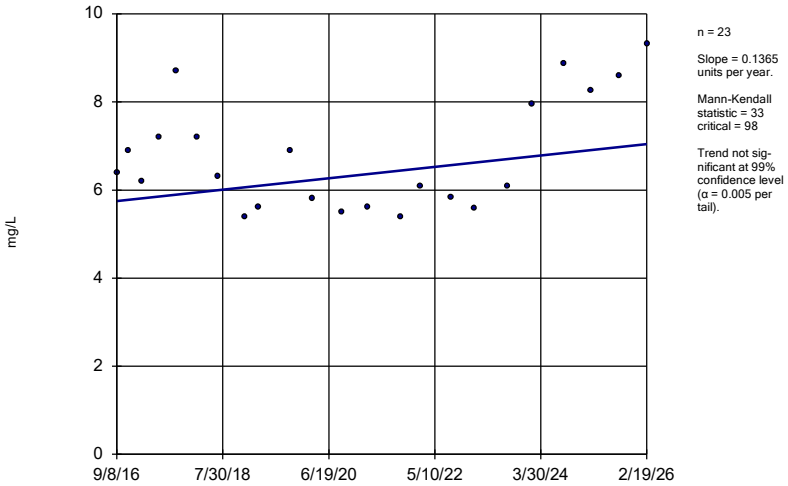
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:09 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 23

Slope = 0.1365 units per year.

Mann-Kendall statistic = 33
critical = 98

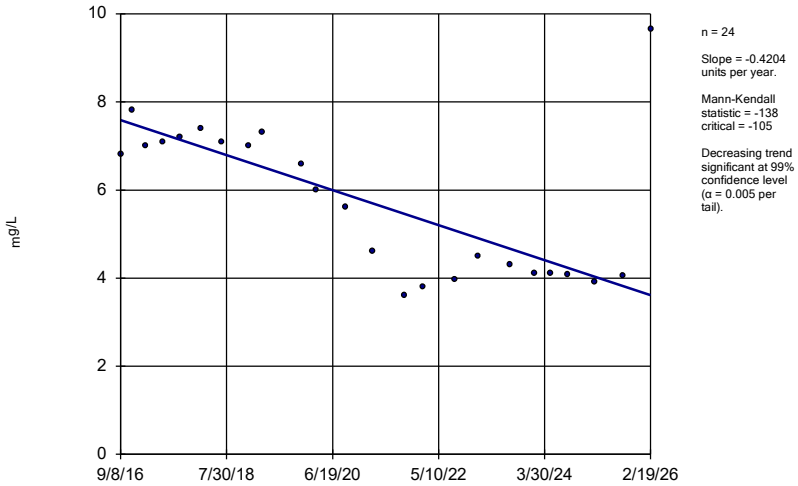
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 24

Slope = -0.4204 units per year.

Mann-Kendall statistic = -138
critical = -105

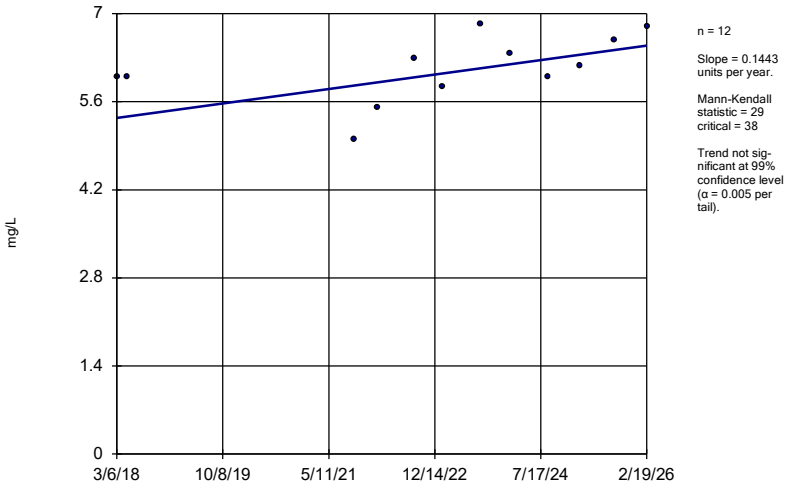
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-44



n = 12

Slope = 0.1443 units per year.

Mann-Kendall statistic = 29
critical = 38

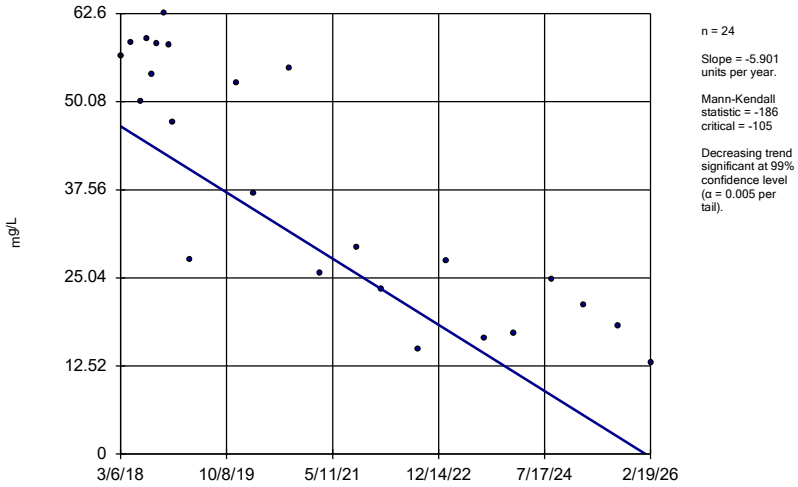
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 24

Slope = -5.901 units per year.

Mann-Kendall statistic = -186
critical = -105

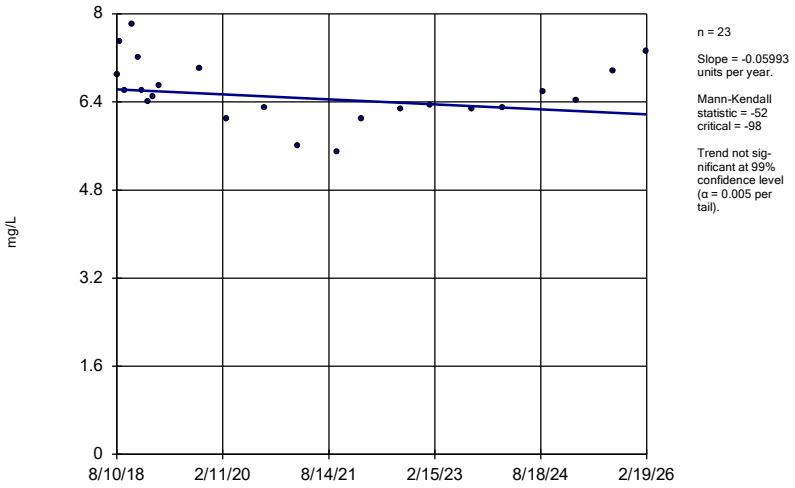
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 23

Slope = -0.05993 units per year.

Mann-Kendall statistic = -52
critical = -98

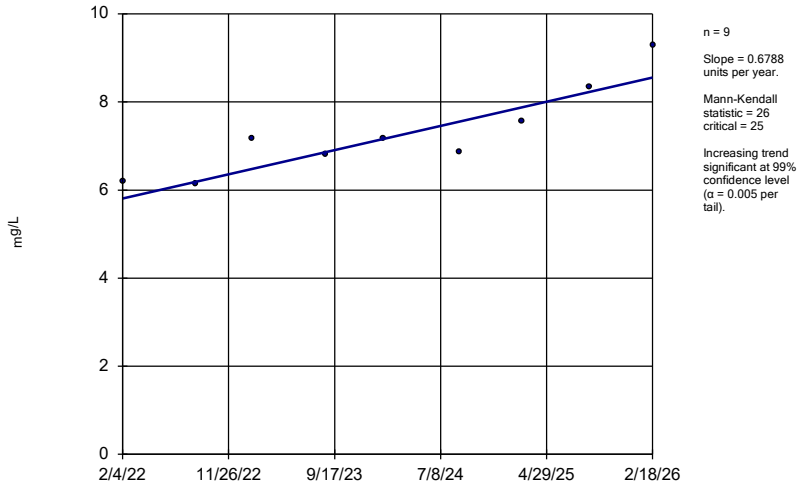
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 9

Slope = 0.6788 units per year.

Mann-Kendall statistic = 26
critical = 25

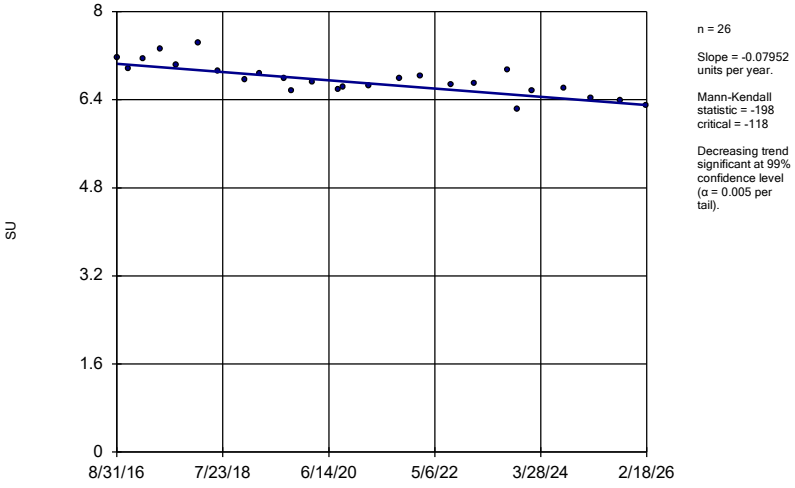
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 26

Slope = -0.07952 units per year.

Mann-Kendall statistic = -198
critical = -118

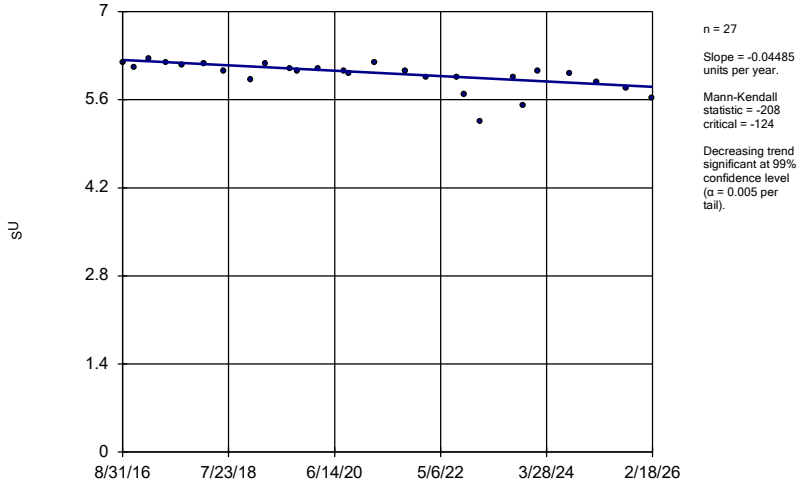
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2S (bg)



n = 27

Slope = -0.04485 units per year.

Mann-Kendall statistic = -208
critical = -124

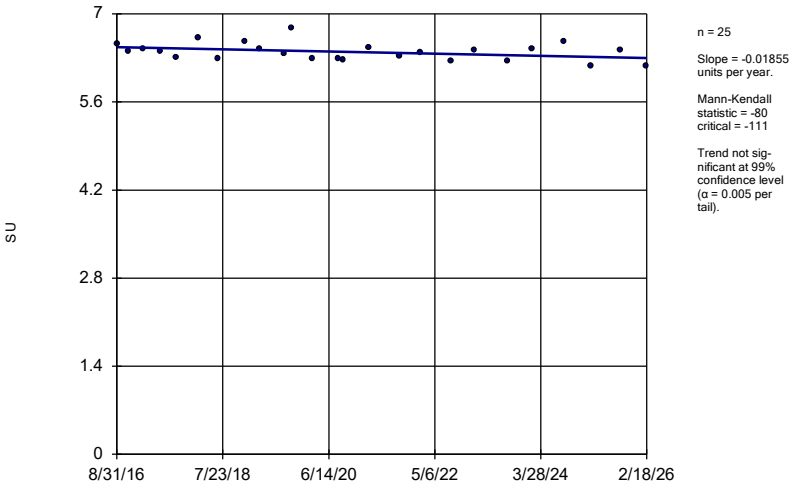
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 25

Slope = -0.01855 units per year.

Mann-Kendall statistic = -80
critical = -111

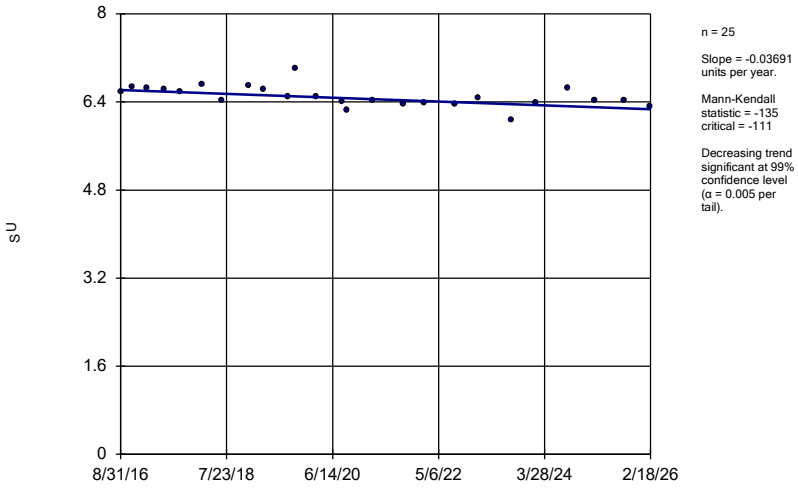
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 25

Slope = -0.03691 units per year.

Mann-Kendall statistic = -135
critical = -111

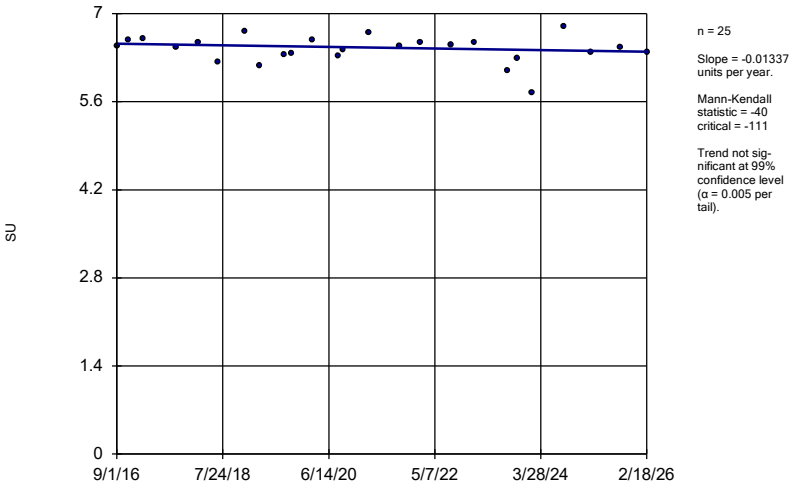
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 25

Slope = -0.01337 units per year.

Mann-Kendall statistic = -40
critical = -111

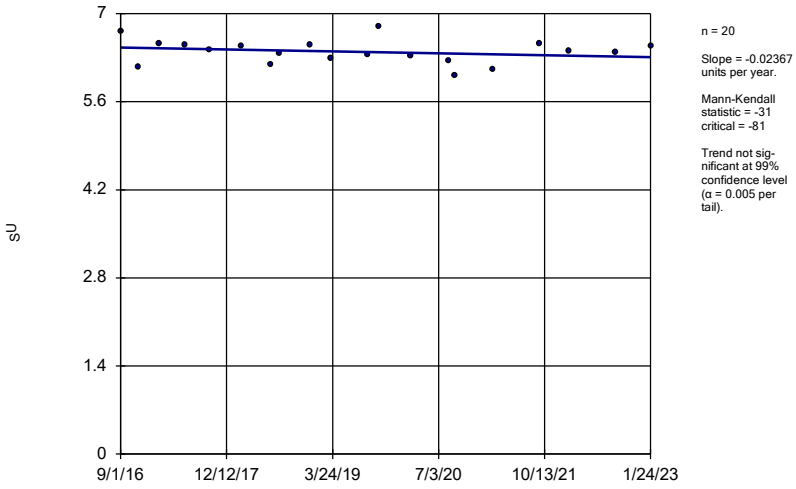
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 20

Slope = -0.02367 units per year.

Mann-Kendall statistic = -31
critical = -81

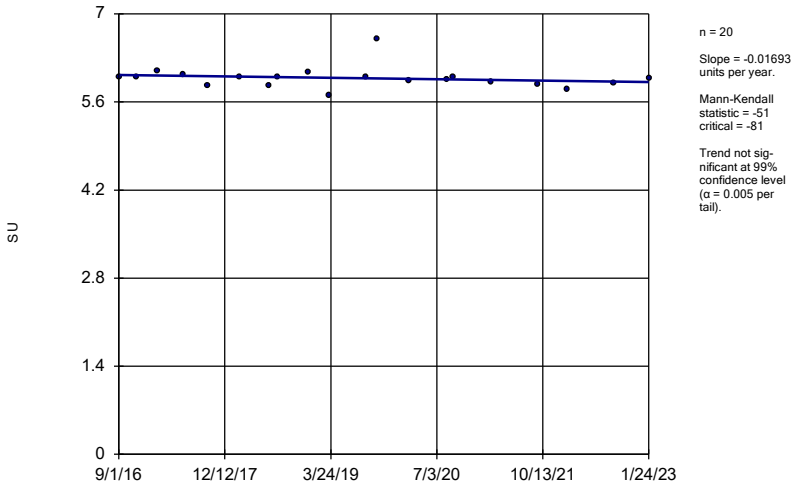
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 20

Slope = -0.01693 units per year.

Mann-Kendall statistic = -51
critical = -81

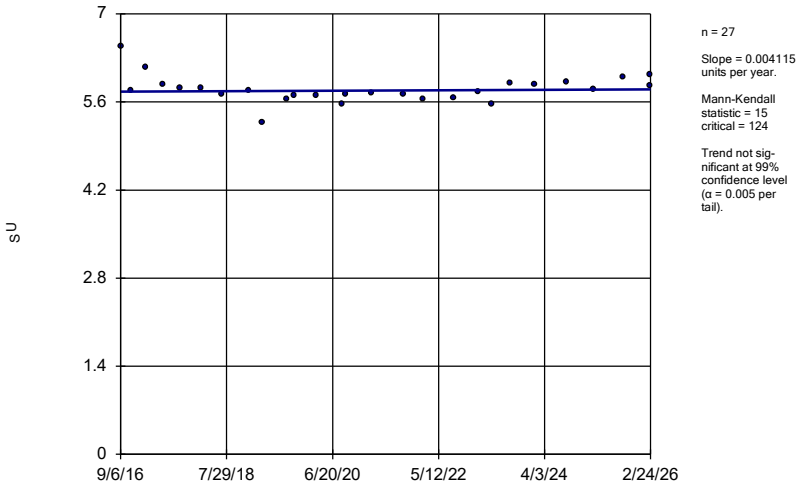
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 27

Slope = 0.004115 units per year.

Mann-Kendall statistic = 15
critical = 124

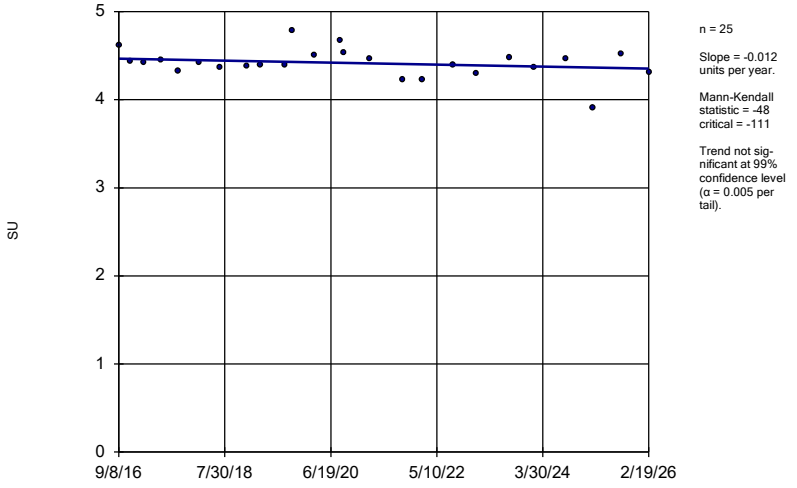
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 25

Slope = -0.012 units per year.

Mann-Kendall statistic = -48
critical = -111

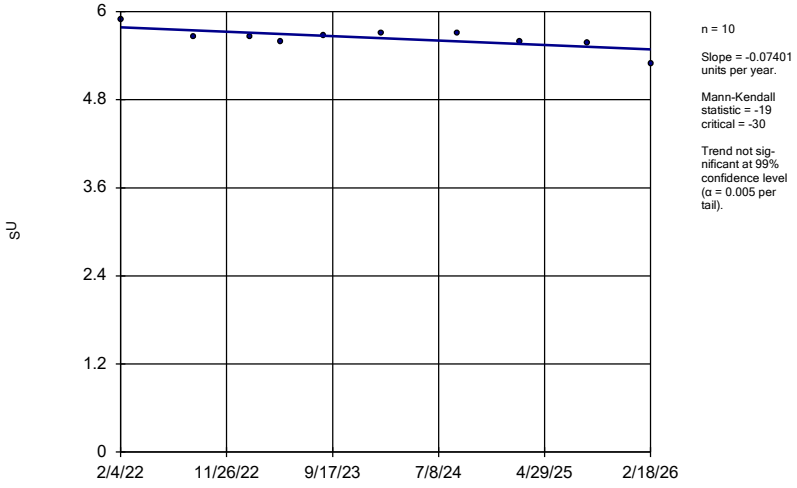
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 10

Slope = -0.07401 units per year.

Mann-Kendall statistic = -19
critical = -30

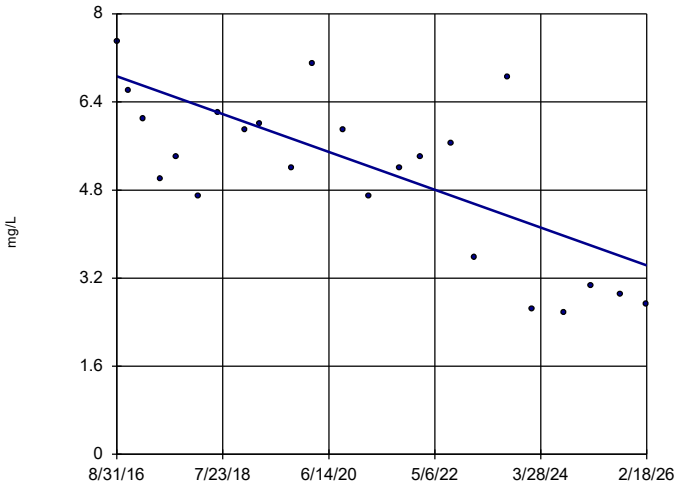
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = -0.3621 units per year.

Mann-Kendall statistic = -123 critical = -98

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

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

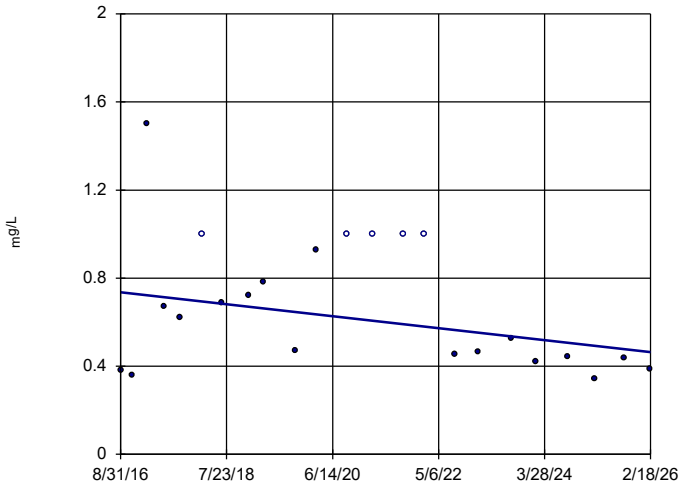
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 23

Slope = -0.02863 units per year.

Mann-Kendall statistic = -57 critical = -98

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

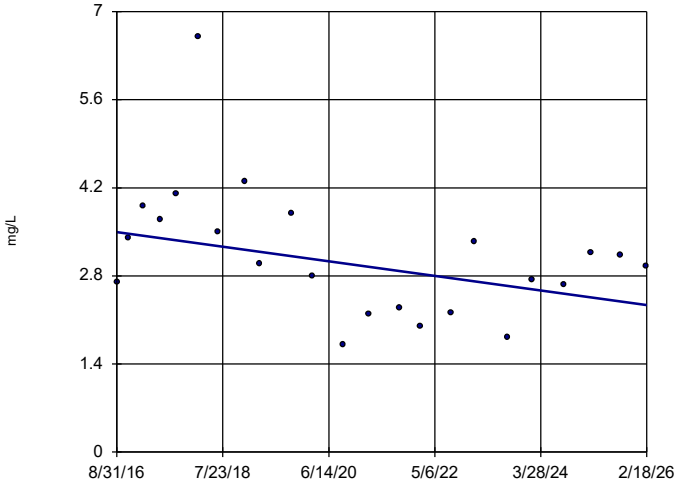
Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -0.1225 units per year.

Mann-Kendall statistic = -73 critical = -98

Trend not sig-nificant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

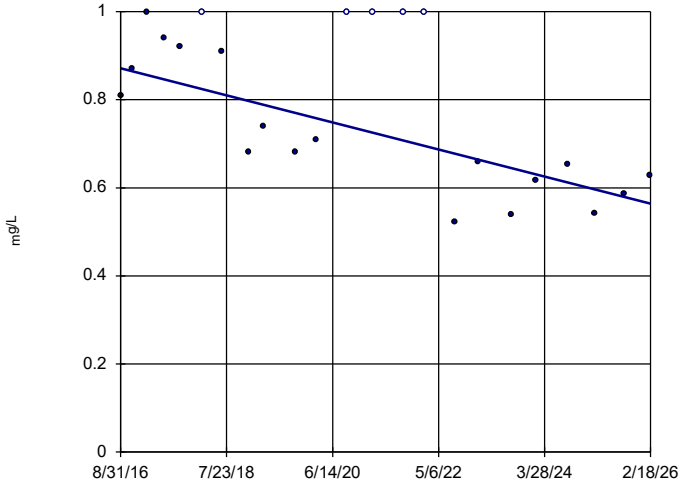
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -0.03245 units per year.

Mann-Kendall statistic = -99 critical = -98

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

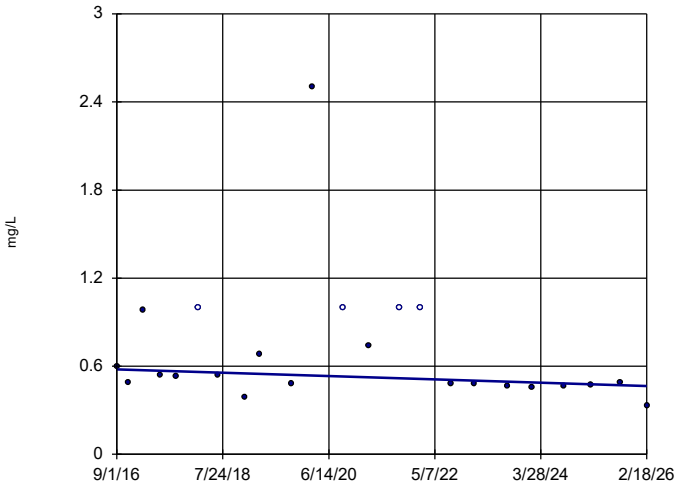
Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 23

Slope = -0.01203 units per year.

Mann-Kendall statistic = -76
critical = -98

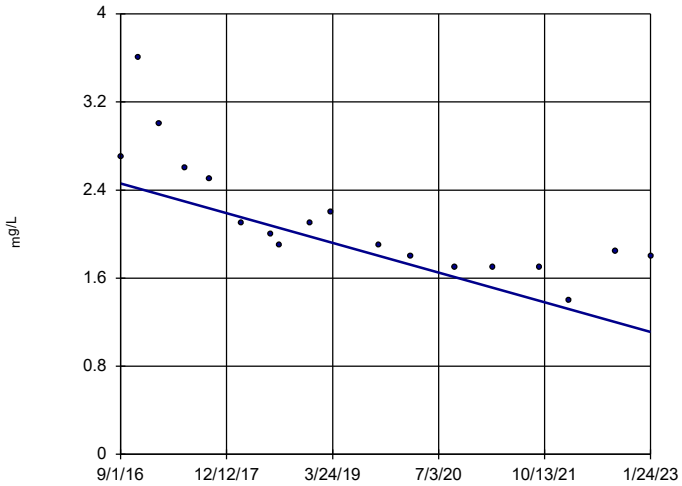
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -0.2108 units per year.

Mann-Kendall statistic = -113
critical = -68

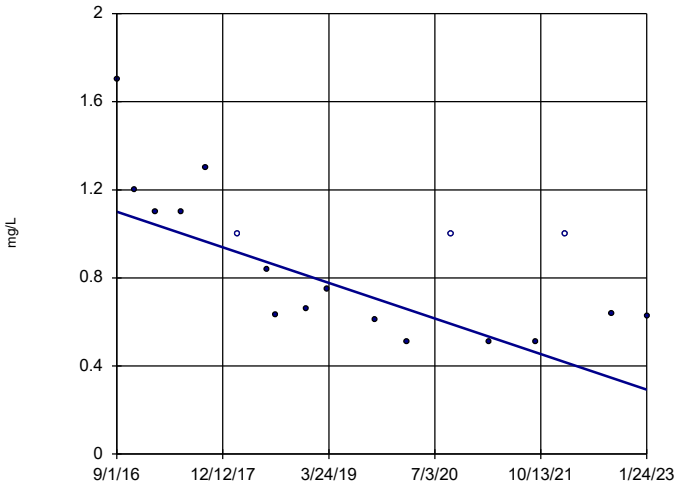
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = -0.126 units per year.

Mann-Kendall statistic = -88
critical = -68

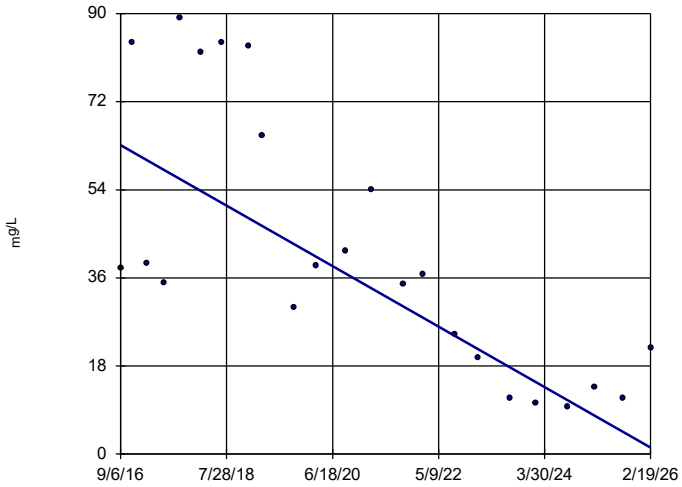
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -6.533 units per year.

Mann-Kendall statistic = -151
critical = -98

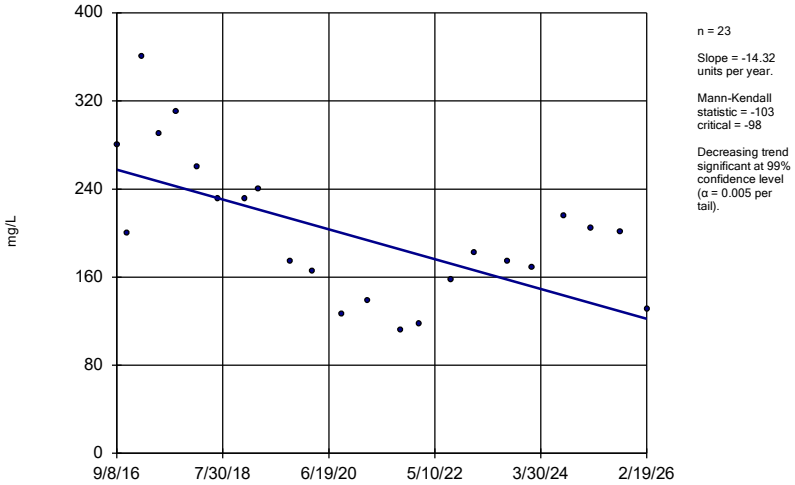
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 23

Slope = -14.32 units per year.

Mann-Kendall statistic = -103
critical = -98

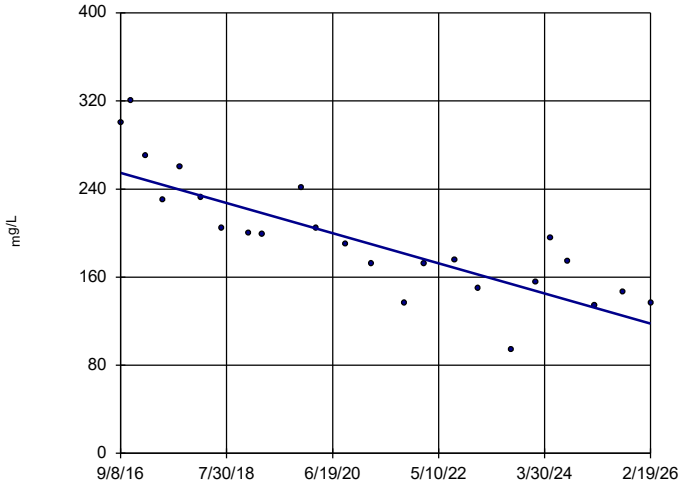
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 24

Slope = -14.48 units per year.

Mann-Kendall statistic = -197
critical = -105

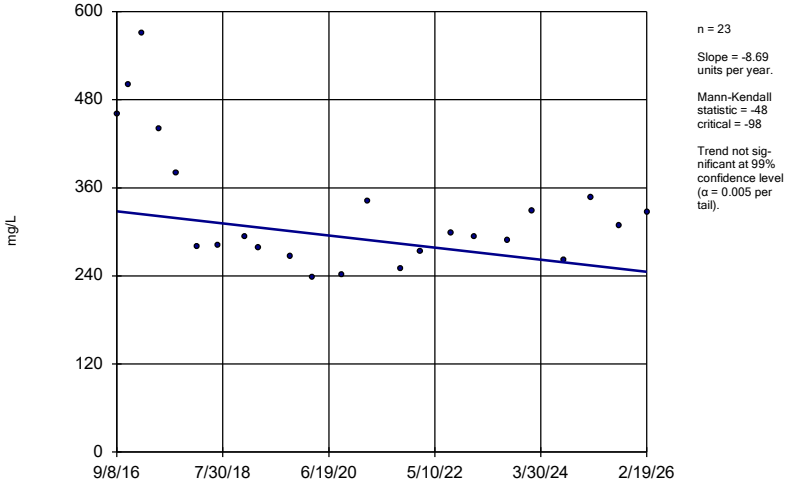
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 23

Slope = -8.69 units per year.

Mann-Kendall statistic = -48
critical = -98

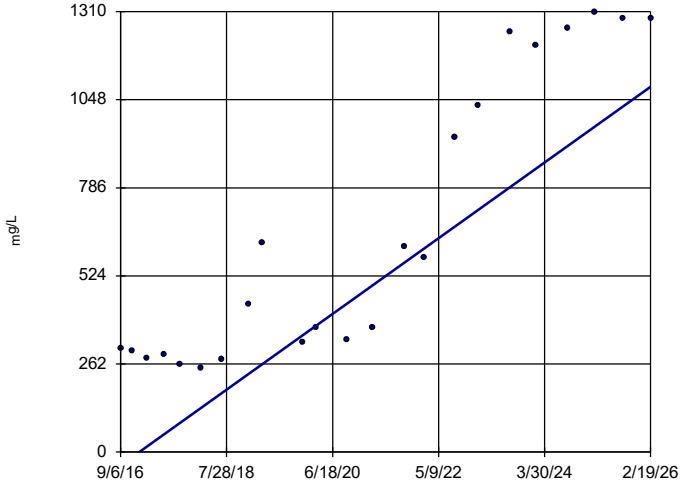
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 23

Slope = 119 units per year.

Mann-Kendall statistic = 186
critical = 98

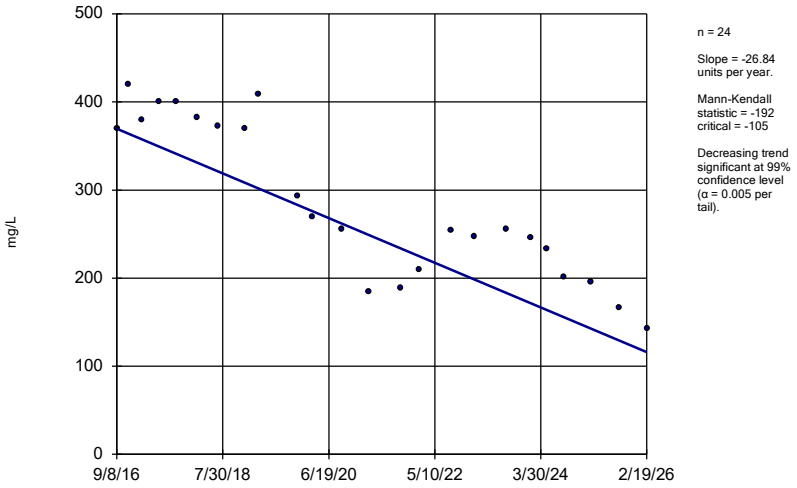
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 24

Slope = -26.84 units per year.

Mann-Kendall statistic = -192 critical = -105

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

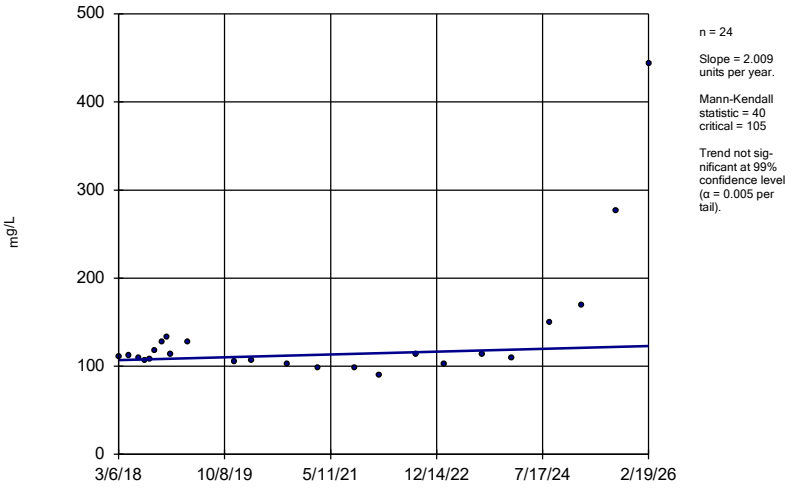
Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 24

Slope = 2.009 units per year.

Mann-Kendall statistic = 40 critical = 105

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

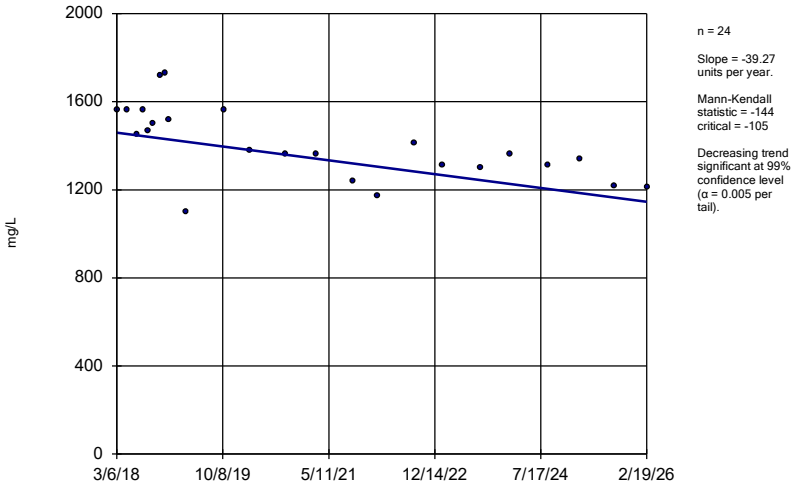
Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-47



n = 24

Slope = -39.27 units per year.

Mann-Kendall statistic = -144 critical = -105

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

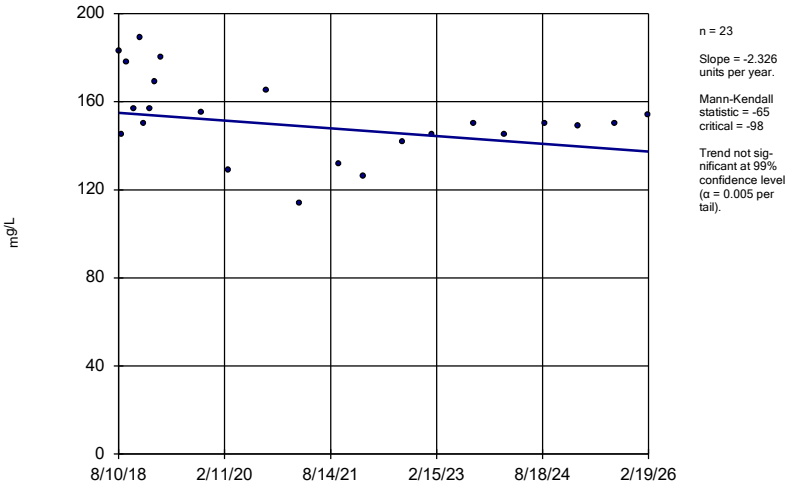
Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 23

Slope = -2.326 units per year.

Mann-Kendall statistic = -65 critical = -98

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

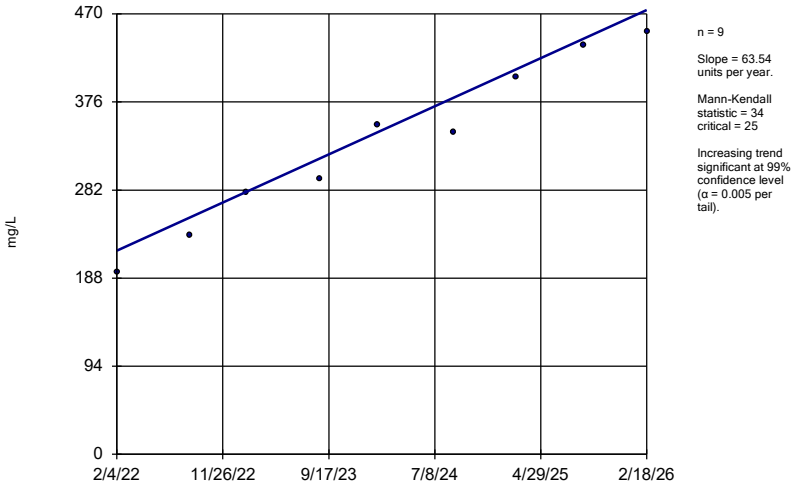
Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 9

Slope = 63.54 units per year.

Mann-Kendall statistic = 34
critical = 25

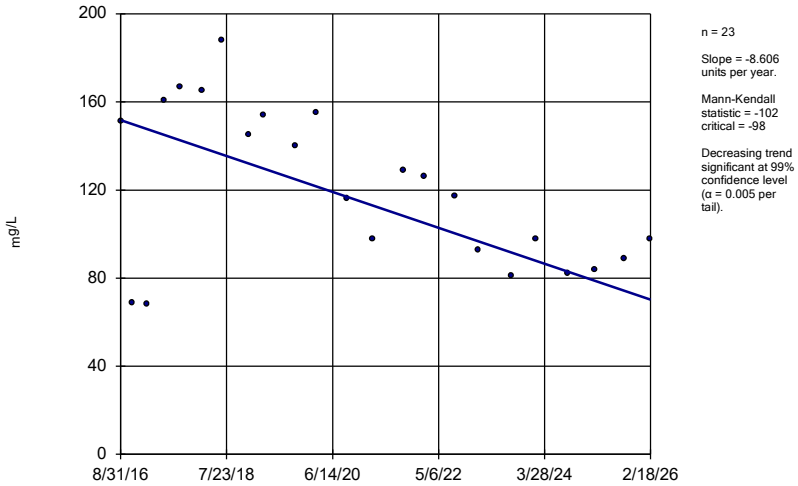
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-2I (bg)



n = 23

Slope = -8.606 units per year.

Mann-Kendall statistic = -102
critical = -98

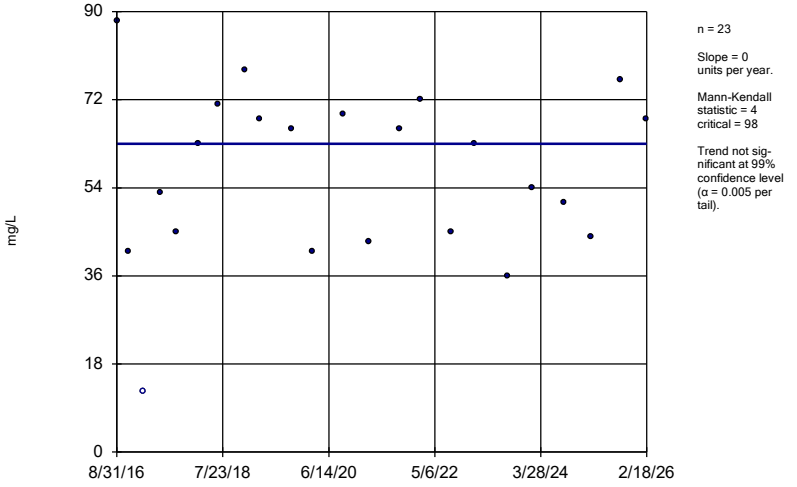
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 4
critical = 98

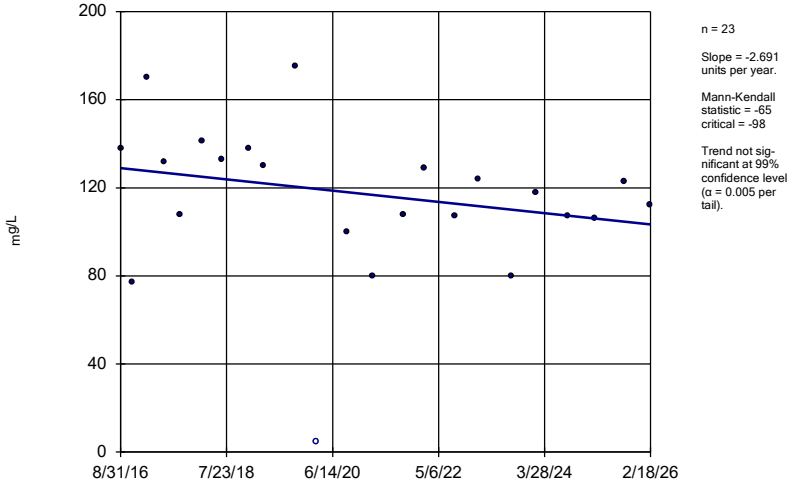
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -2.691 units per year.

Mann-Kendall statistic = -65
critical = -98

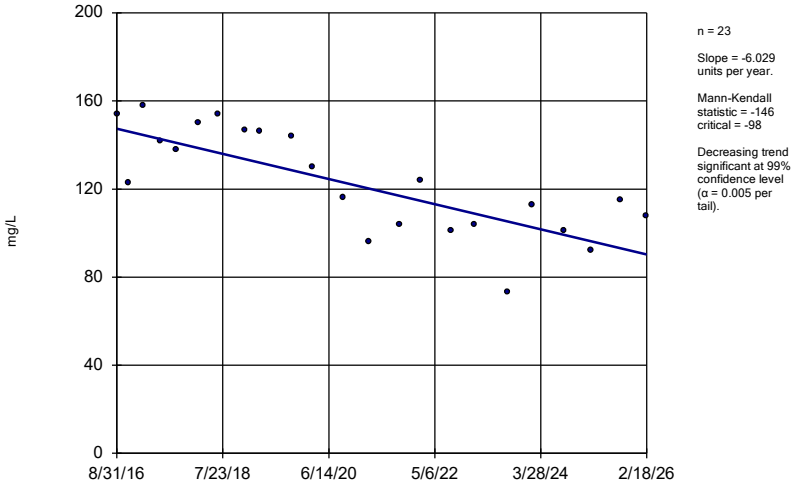
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-5S (bg)



n = 23

Slope = -6.029 units per year.

Mann-Kendall statistic = -146
critical = -98

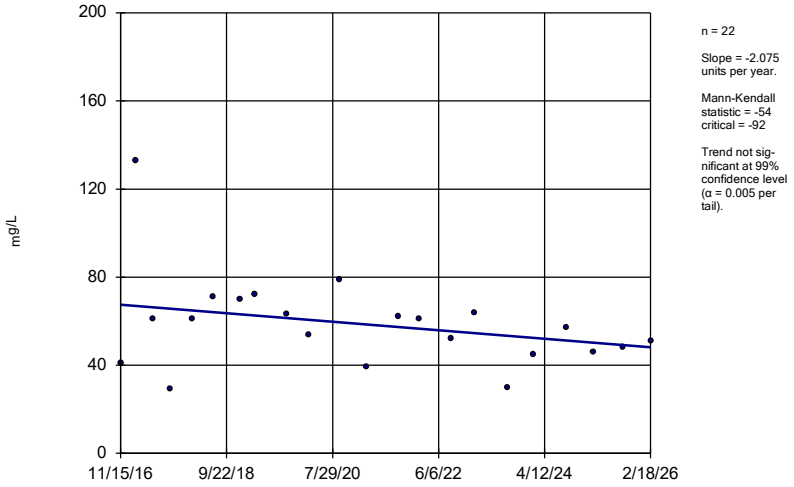
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-6S (bg)



n = 22

Slope = -2.075 units per year.

Mann-Kendall statistic = -54
critical = -92

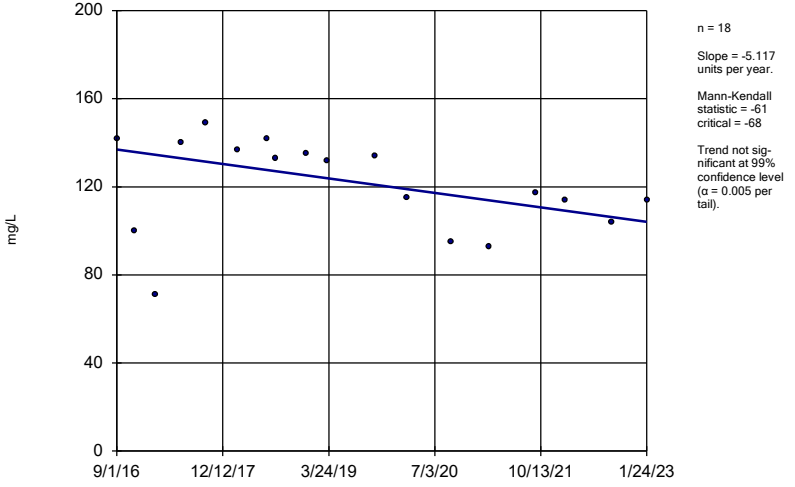
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = -5.117 units per year.

Mann-Kendall statistic = -61
critical = -68

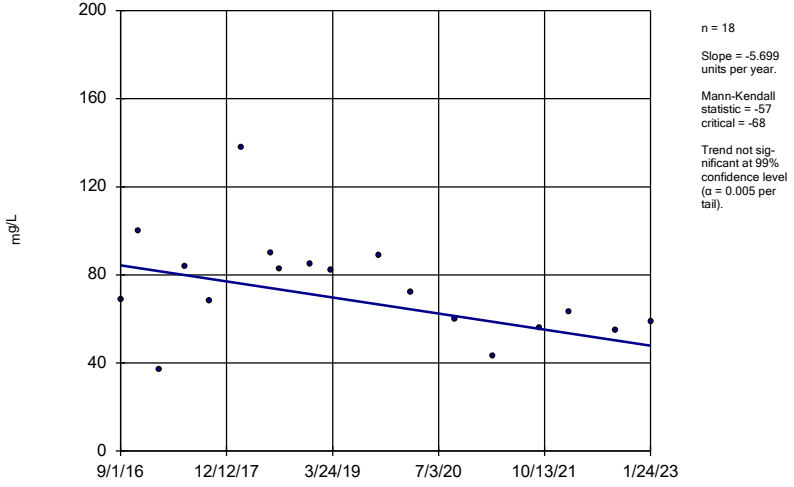
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = -5.699 units per year.

Mann-Kendall statistic = -57
critical = -68

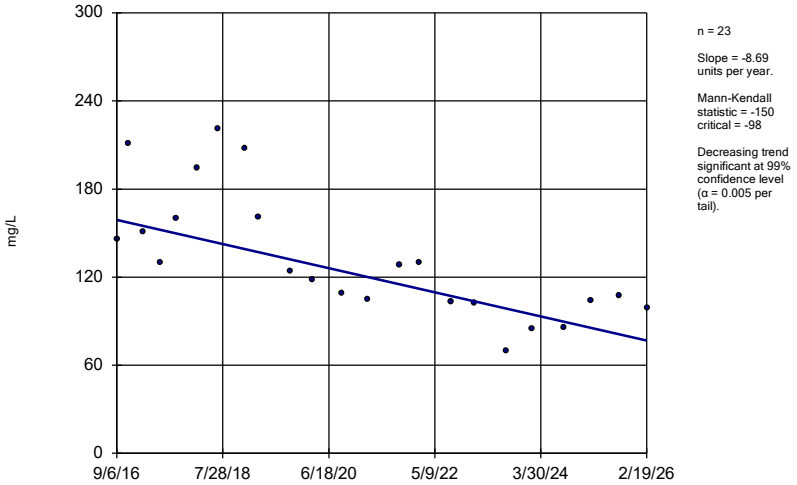
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWA-23S (bg)



n = 23

Slope = -8.69 units per year.

Mann-Kendall statistic = -150 critical = -98

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

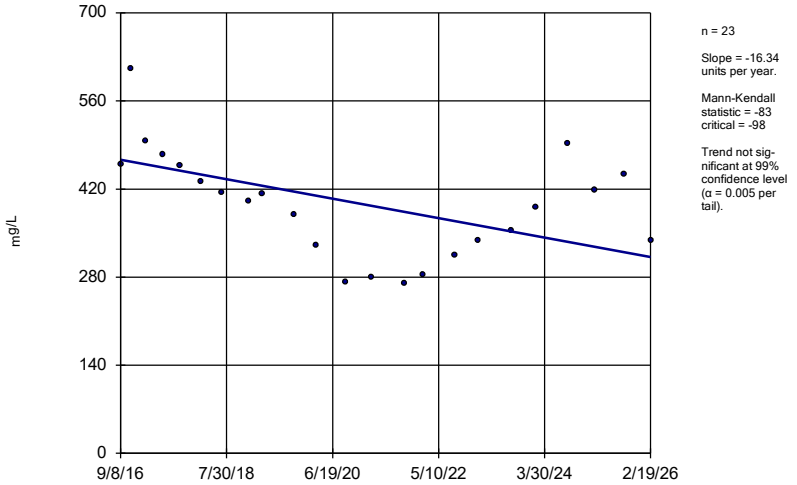
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-25I



n = 23

Slope = -16.34 units per year.

Mann-Kendall statistic = -83 critical = -98

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

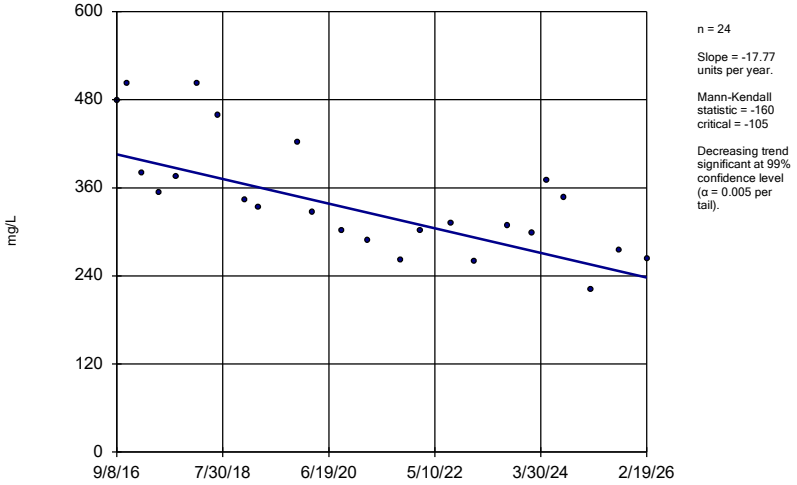
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-27I



n = 24

Slope = -17.77 units per year.

Mann-Kendall statistic = -160 critical = -105

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

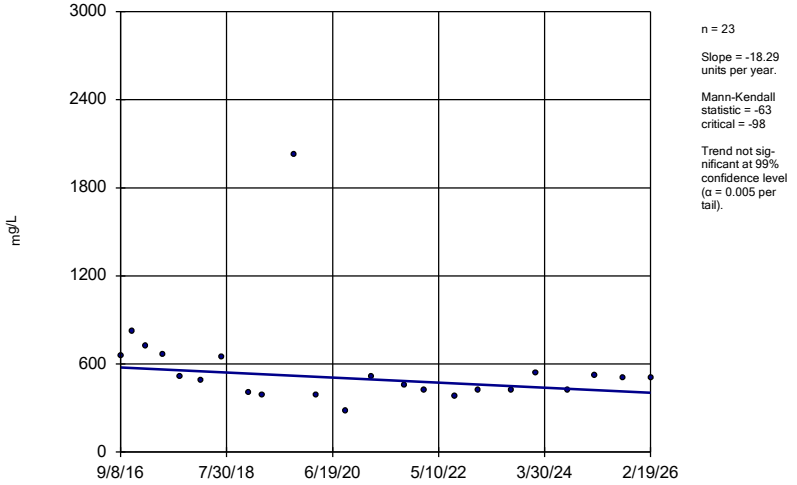
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-29I



n = 23

Slope = -18.29 units per year.

Mann-Kendall statistic = -63 critical = -98

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

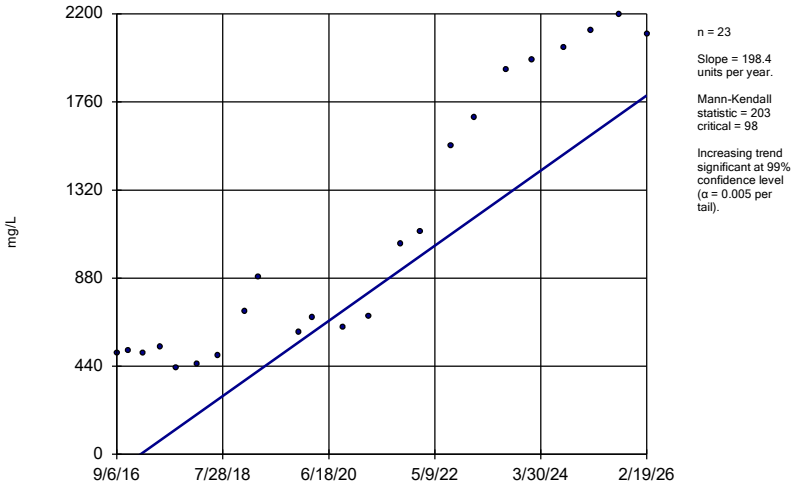
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-30I



n = 23

Slope = 198.4 units per year.

Mann-Kendall statistic = 203 critical = 98

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

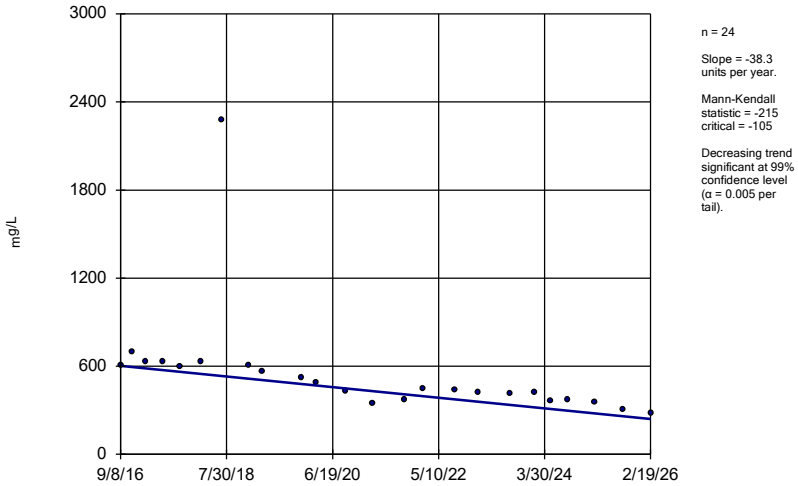
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-32S



n = 24

Slope = -38.3 units per year.

Mann-Kendall statistic = -215 critical = -105

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

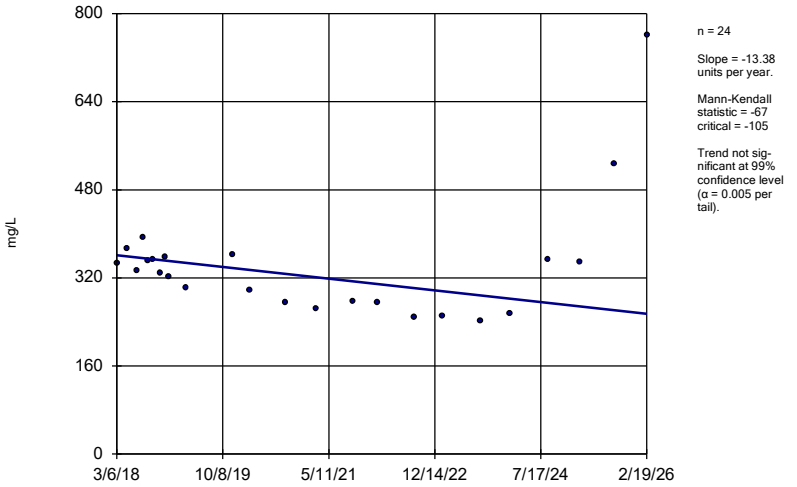
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-45



n = 24

Slope = -13.38 units per year.

Mann-Kendall statistic = -67 critical = -105

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

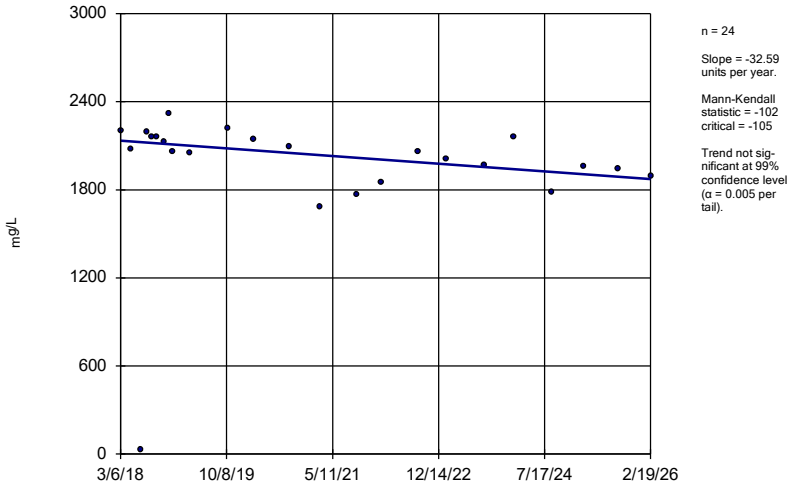
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-47



n = 24

Slope = -32.59 units per year.

Mann-Kendall statistic = -102 critical = -105

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

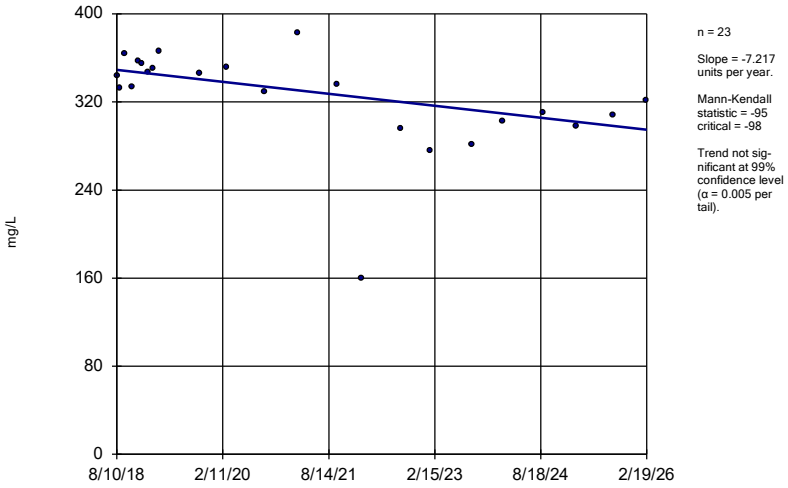
Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

BRGWC-52I



n = 23

Slope = -7.217 units per year.

Mann-Kendall statistic = -95
critical = -98

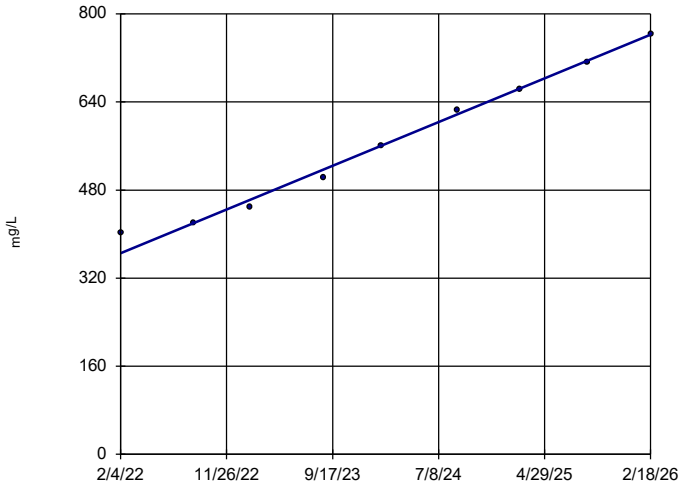
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Sen's Slope Estimator

PZ-63I



n = 9

Slope = 98.15 units per year.

Mann-Kendall statistic = 36
critical = 25

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

Constituent: TDS Analysis Run 5/29/2026 11:10 AM View: Appendix III - Trend Test
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE G.

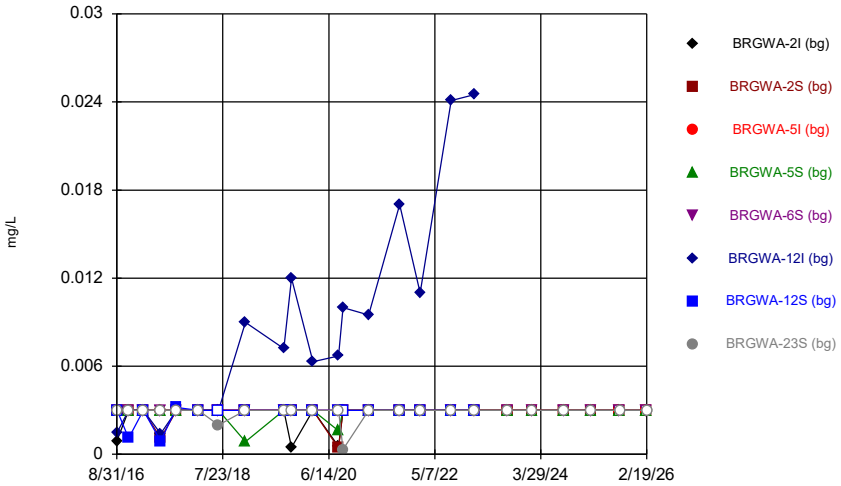
Upper Tolerance Limits

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.0245	n/a	n/a	n/a	n/a	180	86.11	n/a	NaN	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	180	78.33	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	n/a	0.13	n/a	n/a	n/a	n/a	180	0	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a	180	100	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	182	98.9	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	n/a	0.016	n/a	n/a	n/a	n/a	180	21.11	n/a	NaN	NP Inter(normality)
Cobalt (mg/L)	n/a	0.0135	n/a	n/a	n/a	n/a	181	54.14	n/a	NaN	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	n/a	2.902	n/a	n/a	n/a	n/a	180	0	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.42	n/a	n/a	n/a	n/a	188	43.62	n/a	NaN	NP Inter(normality)
Lead (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	180	90	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	n/a	0.089	n/a	n/a	n/a	n/a	180	41.67	n/a	NaN	NP Inter(normality)
Mercury (mg/L)	n/a	0.00021	n/a	n/a	n/a	n/a	164	90.85	n/a	0.0002222	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.008	n/a	n/a	n/a	n/a	177	71.75	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	n/a	0.006	n/a	n/a	n/a	n/a	180	92.78	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	n/a	0.002	n/a	n/a	n/a	n/a	180	100	n/a	NaN	NP Inter(NDs)

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Hollow symbols indicate censored values.

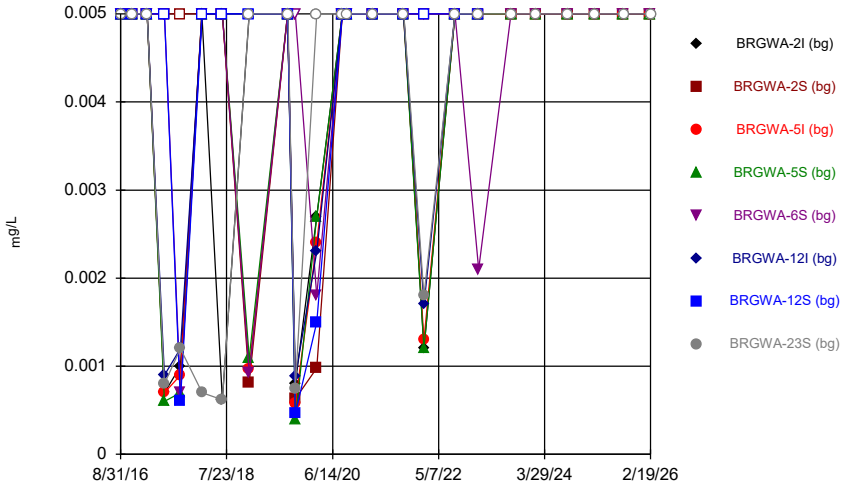
Time Series



Constituent: Antimony Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

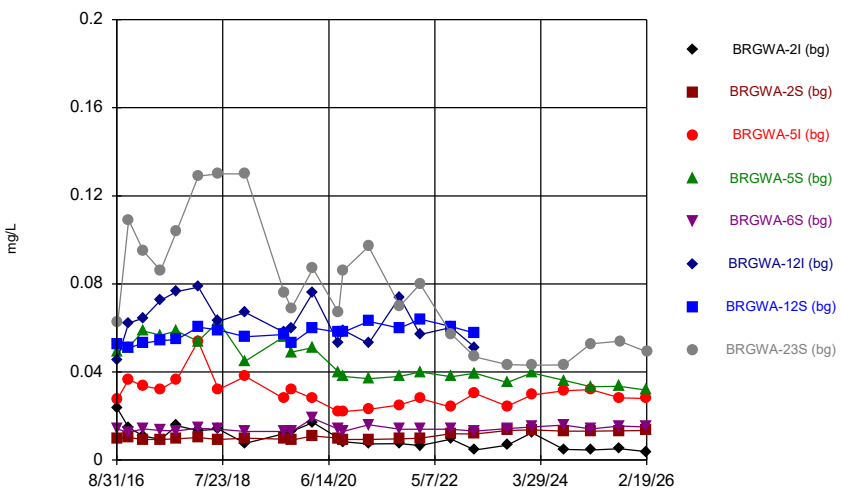
Time Series



Constituent: Arsenic Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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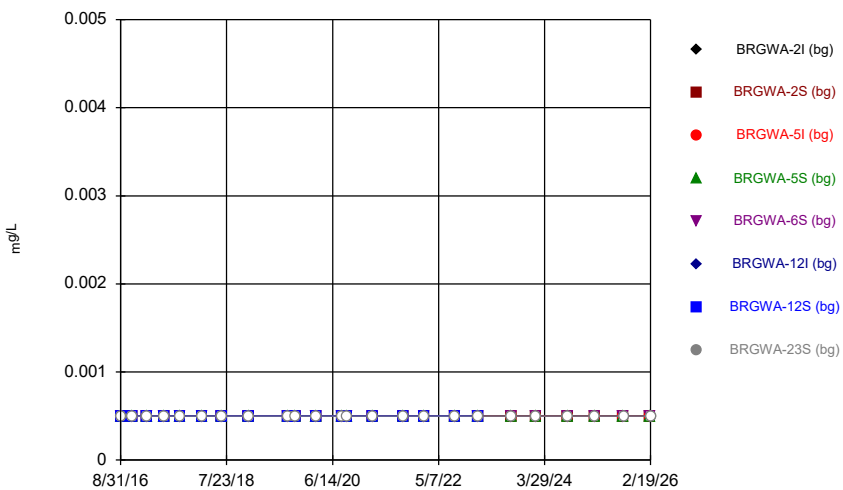
Time Series



Constituent: Barium Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

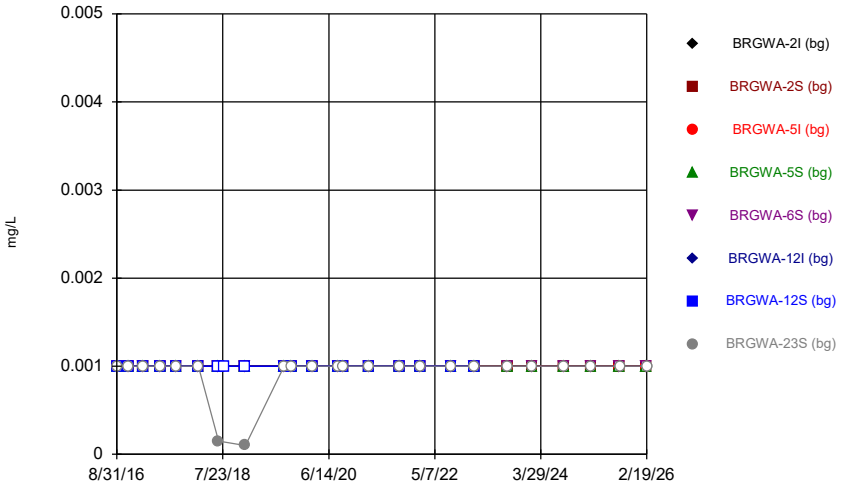
Time Series



Constituent: Beryllium Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

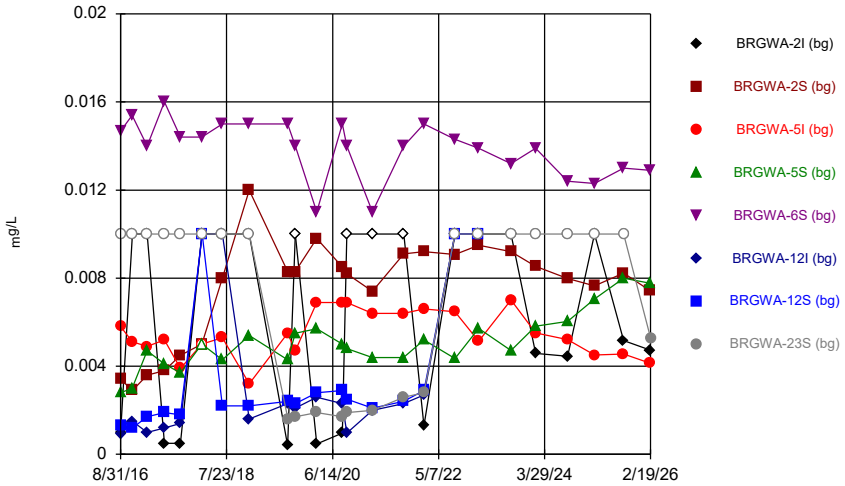
Time Series



Constituent: Cadmium Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

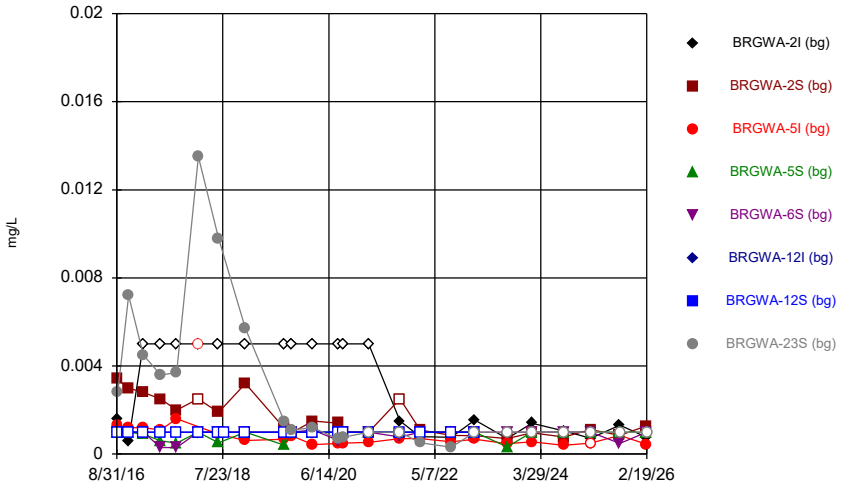
Time Series



Constituent: Chromium Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

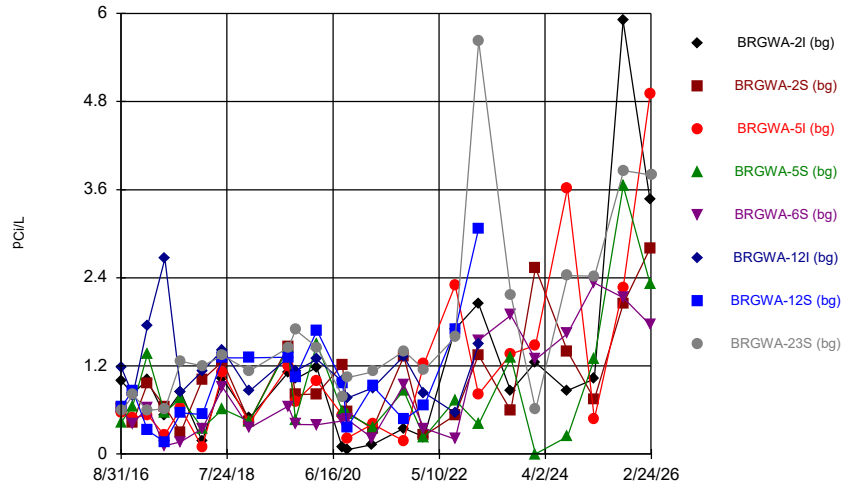
Time Series



Constituent: Cobalt Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

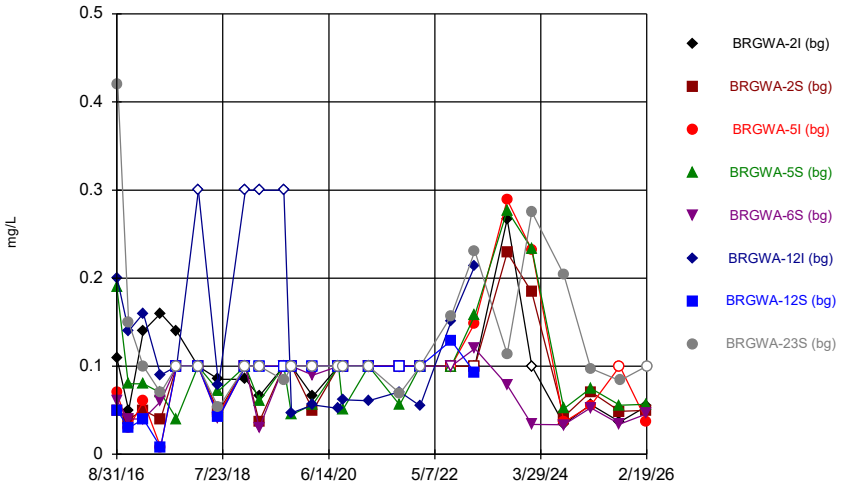
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

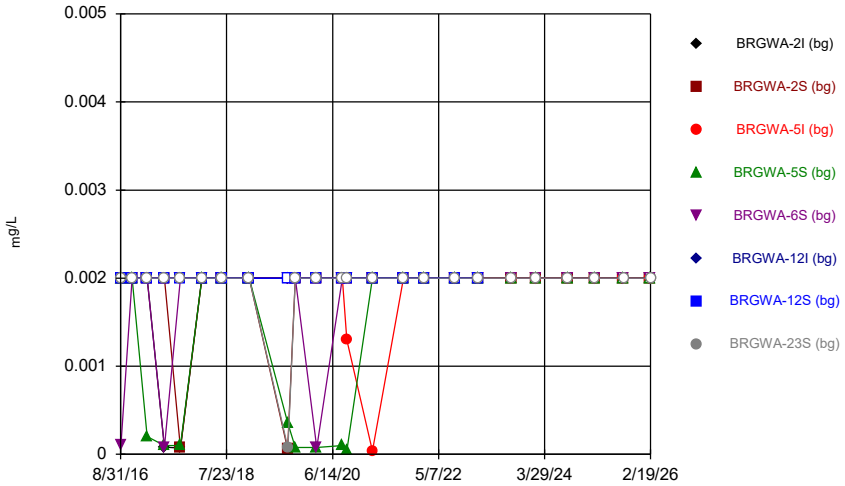
Time Series



Constituent: Fluoride Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

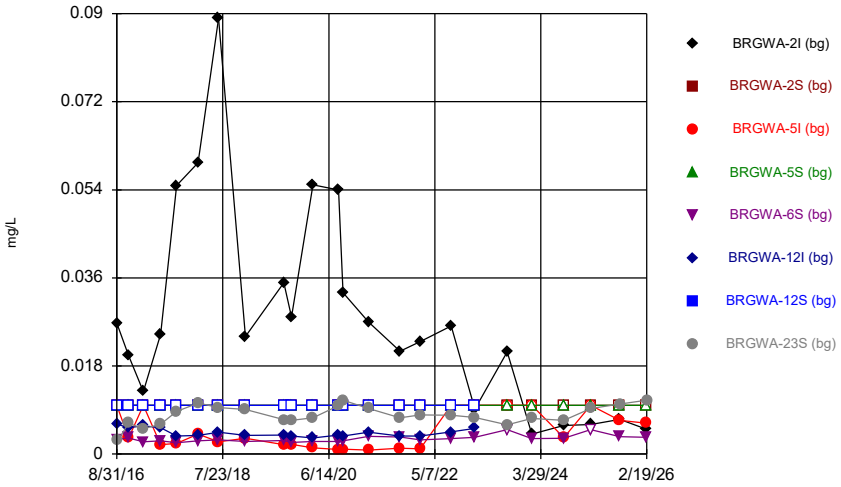
Time Series



Constituent: Lead Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

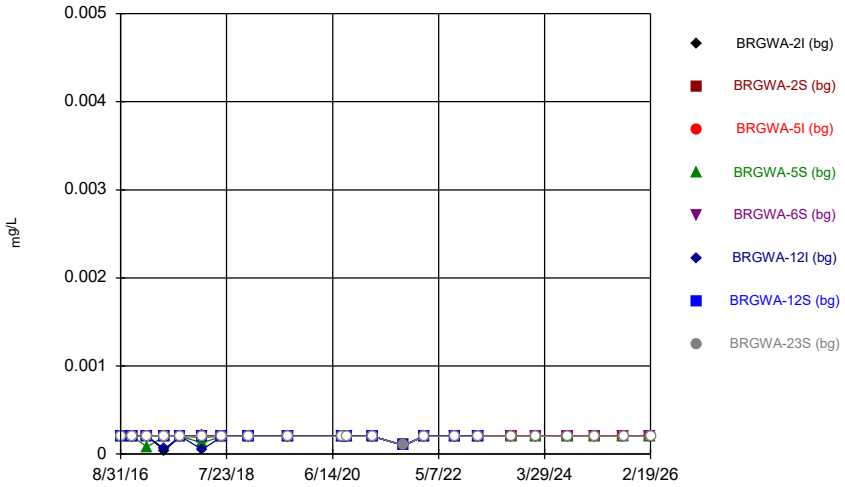
Time Series



Constituent: Lithium Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

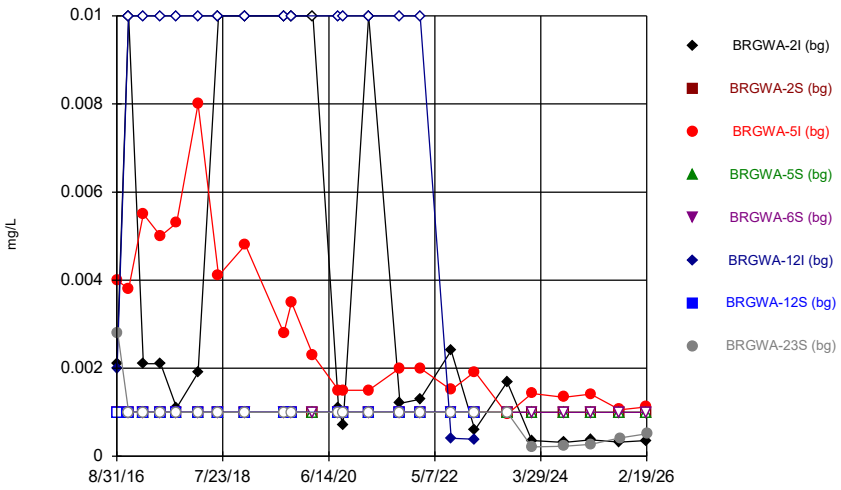
Time Series



Constituent: Mercury Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

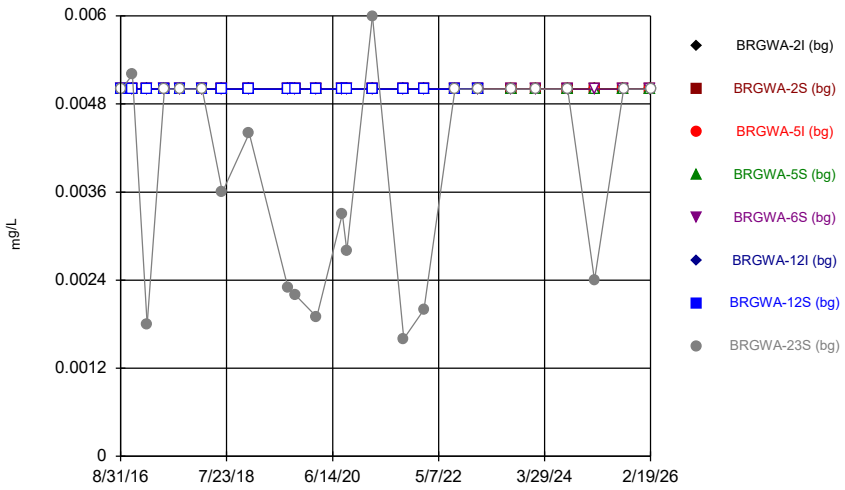
Time Series



Constituent: Molybdenum Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

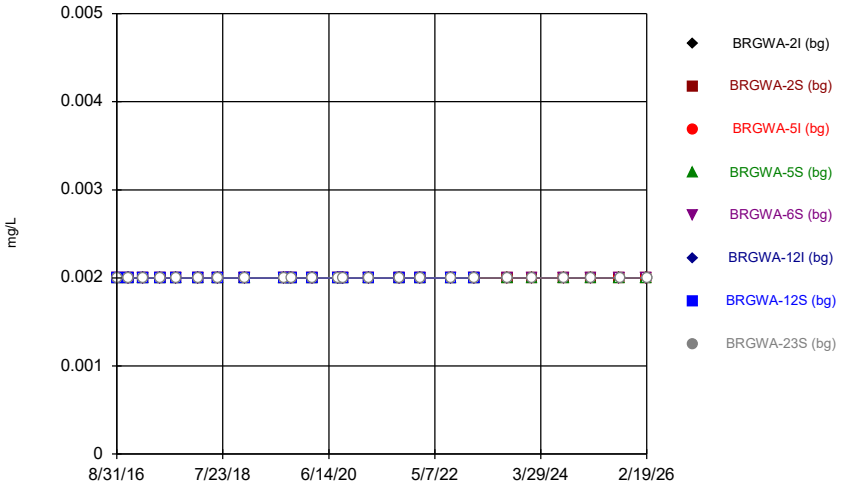
Time Series



Constituent: Selenium Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 4/8/2026 1:59 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 180 background values. 86.11% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Antimony Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



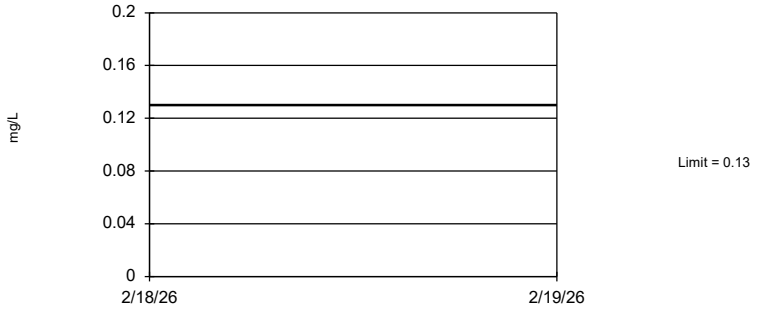
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 180 background values. 78.33% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



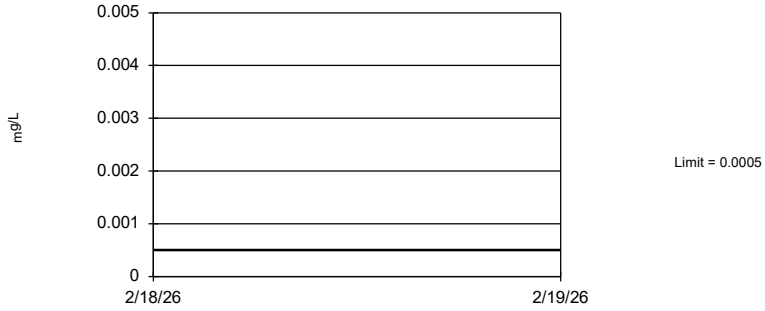
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 180 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Beryllium Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 182 background values. 98.9% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



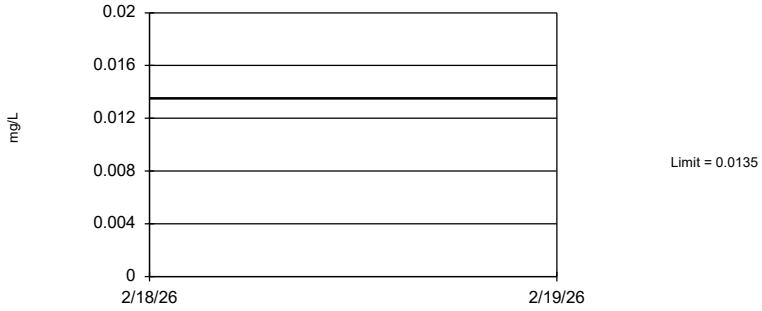
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 180 background values. 21.11% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Chromium Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



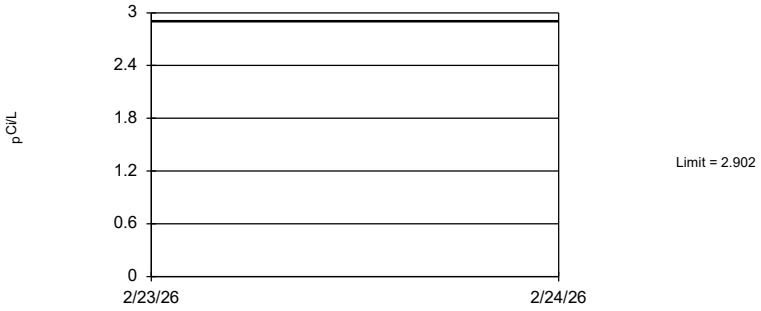
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 181 background values. 54.14% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cobalt Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Parametric



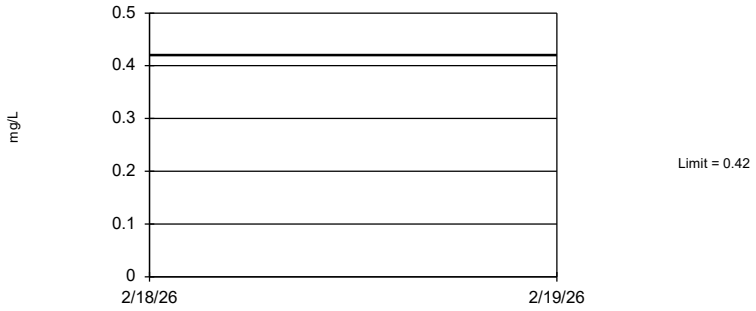
95% coverage. Background Data Summary (based on square root transformation): Mean=0.975, Std. Dev.=0.3945, n=180. Normality test: Chi Squared @alpha = 0.01, calculated = 13.44, critical = 14.07. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



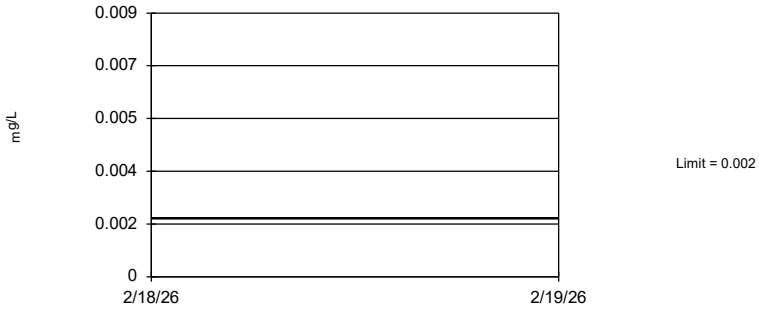
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 188 background values. 43.62% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Fluoride Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



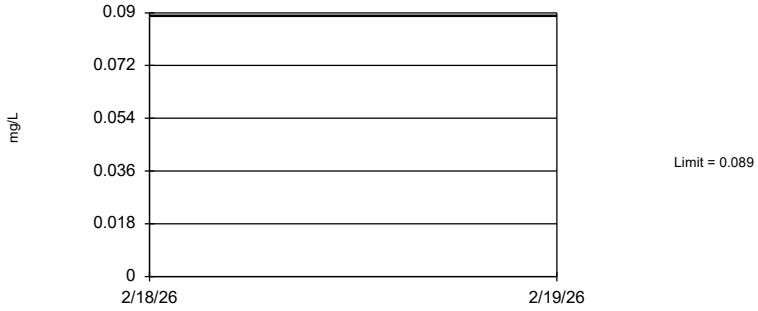
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 180 background values. 90% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



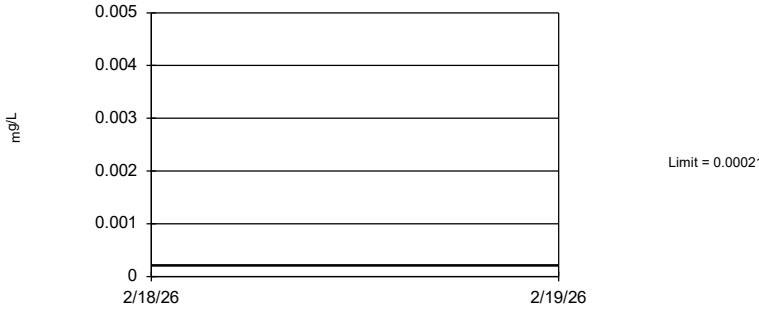
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 180 background values. 41.67% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lithium Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 164 background values. 90.85% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0002222.

Constituent: Mercury Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



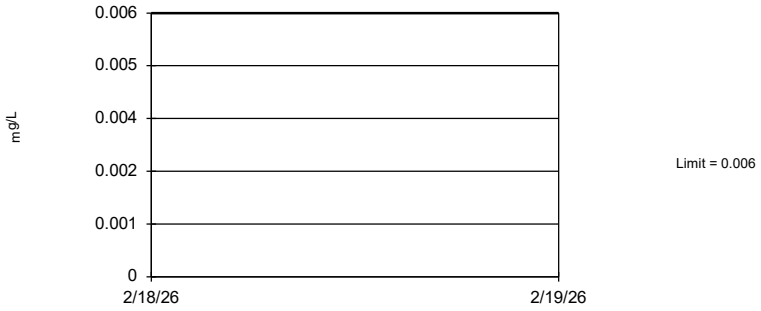
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 177 background values. 71.75% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Molybdenum Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Tolerance Limit

Interwell Non-parametric



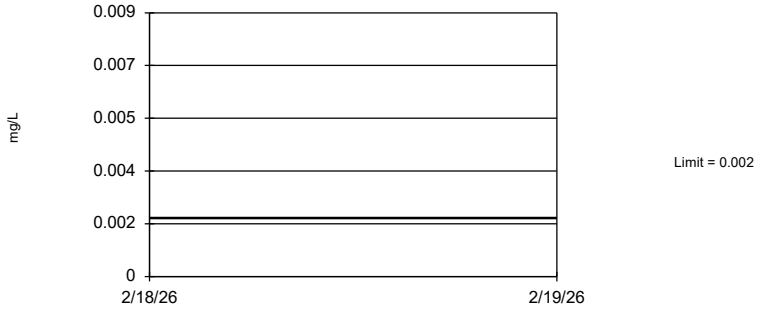
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 180 background values. 92.78% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Selenium Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Thallium Analysis Run 4/8/2026 2:00 PM View: UTLs
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE H.

PLANT BRANCH POND BCD GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.025	0.006
Arsenic, Total (mg/L)	0.01		0.005	0.01
Barium, Total (mg/L)	2		0.13	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	0.014	0.014
Combined Radium, Total (pCi/L)	5		2.9	5
Fluoride, Total (mg/L)	4		0.42	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		0.006	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*

***MCL used in lieu of Background limit for Antimony*

FIGURE I.

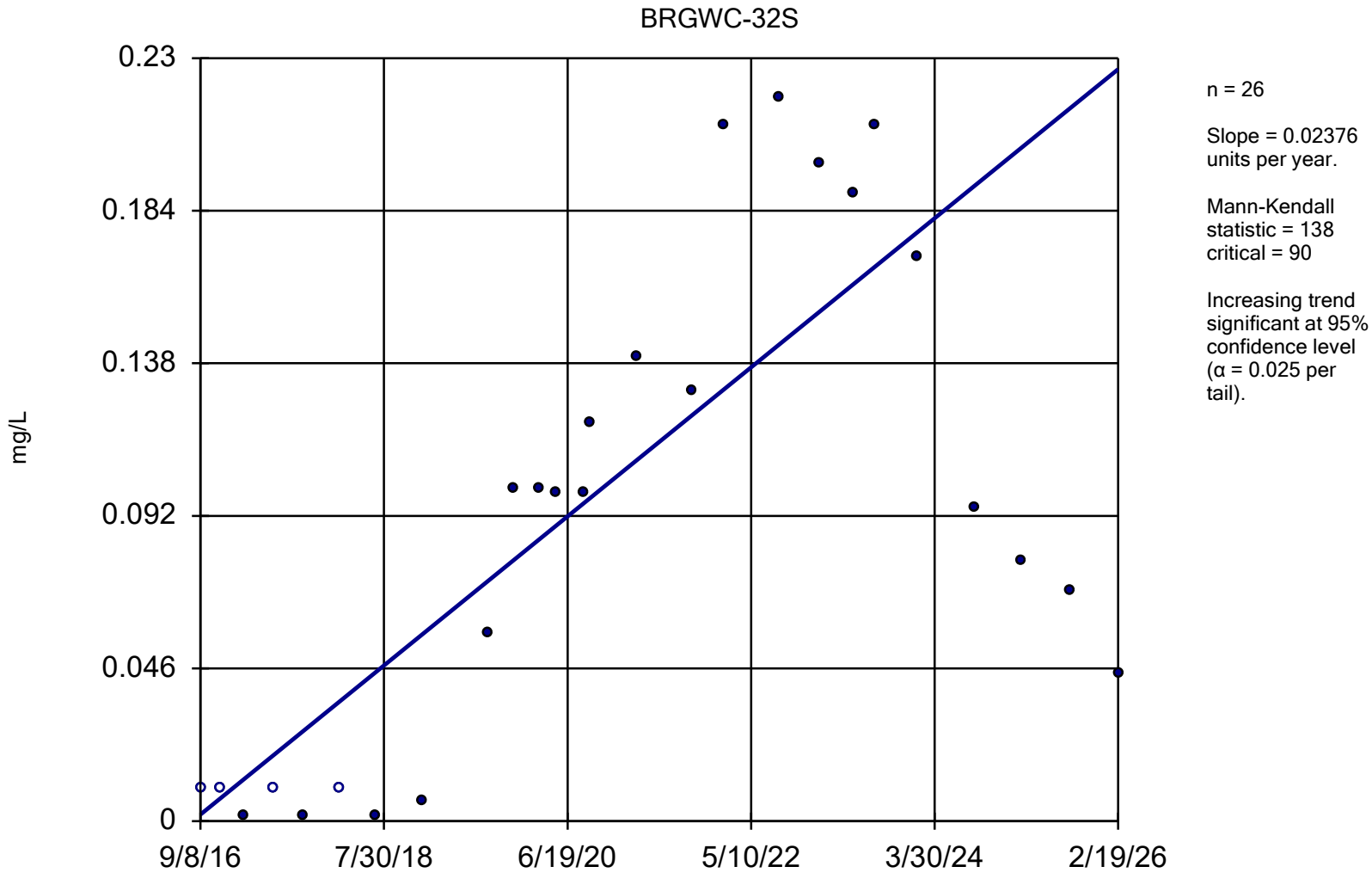
Selenium BRGWC-32S Trend Test - All/Significant Result

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	**BRGWC-32S**	**0.02376**	**138**	**90**	**Yes**	**26**	**15.38**	**n/a**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator



Constituent: Selenium Analysis Run 4/8/2026 3:31 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Selenium BRGWC-32S Trend Test - Truncated Records - All Result (No Significant)

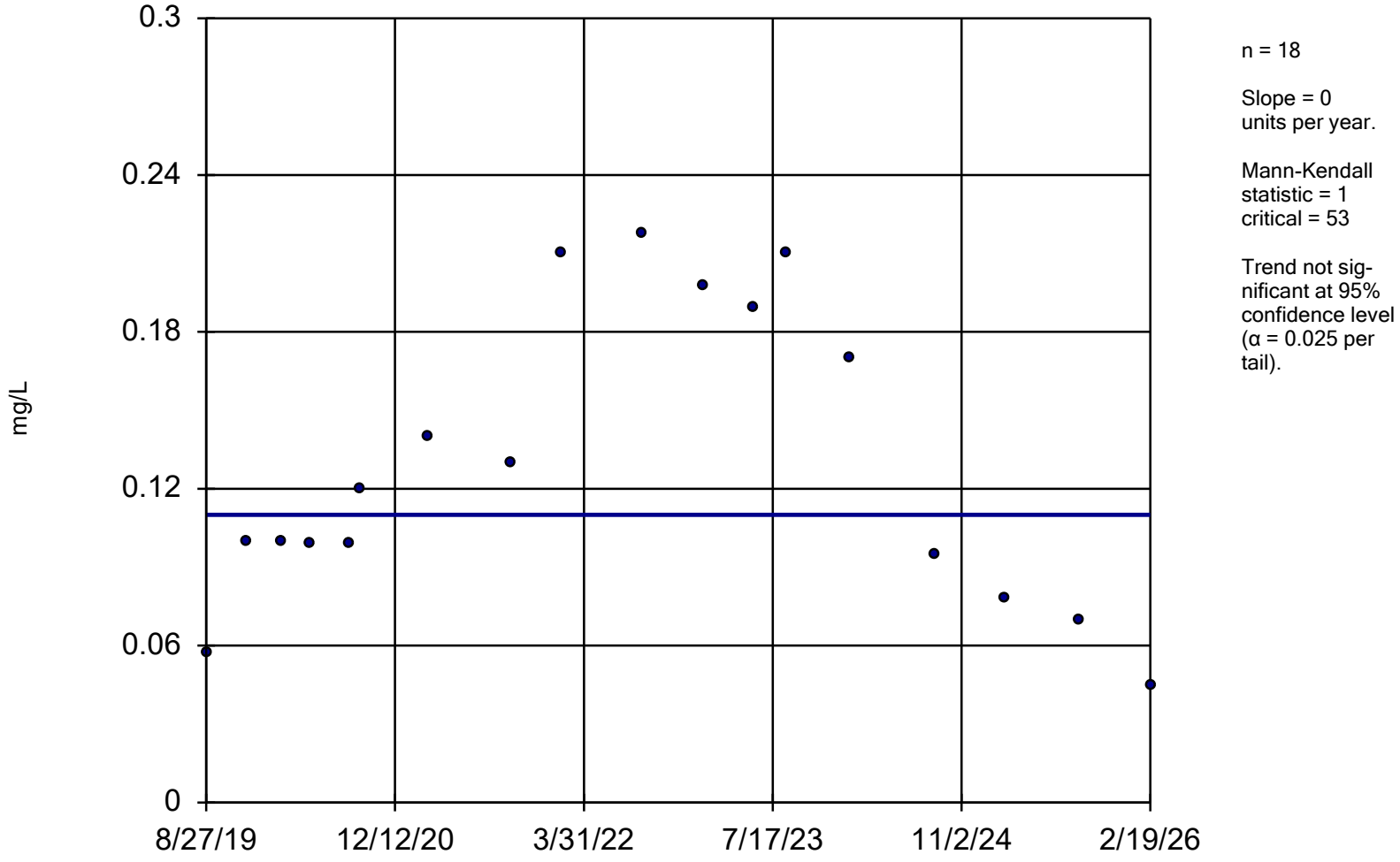
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 3:02 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Selenium (mg/L)	BRGWC-32S	0	1	53	No	18	0	n/a	n/a	0.05	NP

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Sen's Slope Estimator

BRGWC-32S



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 1
critical = 53

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

Constituent: Selenium Analysis Run 4/8/2026 3:01 PM

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

FIGURE J.

Confidence Interval Summary Table - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**PZ-63I**	**0.04004**	**0.02414**	**0.014**	**Yes**	**9**	**0.008236**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**BRGWC-32S**	**0.1635**	**0.09503**	**0.05**	**Yes**	**18**	**0.05657**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	**PZ-75I**	**0.1359**	**0.07304**	**0.05**	**Yes**	**7**	**0.02645**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BRGWC-29I	0.003	0.0007	0.006	No	24	0.0004695	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-30I	0.003	0.0013	0.006	No	24	0.000347	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-32S	0.003	0.0014	0.006	No	24	0.0003266	95.83	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-45	0.003	0.0024	0.006	No	25	0.0007934	72	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-47	0.003	0.00035	0.006	No	25	0.00053	96	None	No	0.01	NP (NDs)
Antimony (mg/L)	BRGWC-52I	0.003	0.00091	0.006	No	24	0.0007707	87.5	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-68D	0.003	0.00176	0.006	No	7	0.0004687	85.71	None	No	0.008	NP (NDs)
Arsenic (mg/L)	BRGWC-25I	0.005	0.00091	0.01	No	24	0.001643	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-27I	0.005	0.0014	0.01	No	24	0.001517	83.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-29I	0.005	0.0019	0.01	No	24	0.001784	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-30I	0.005	0.00322	0.01	No	24	0.00145	70.83	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-32S	0.005	0.00053	0.01	No	24	0.0009124	95.83	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-44	0.005	0.00221	0.01	No	12	0.00138	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-45	0.005	0.0021	0.01	No	25	0.001774	68	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BRGWC-47	0.005	0.0018	0.01	No	25	0.001716	36	None	No	0.01	NP (normality)
Arsenic (mg/L)	BRGWC-52I	0.005	0.0031	0.01	No	24	0.001378	58.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-68D	0.0058	0.00211	0.01	No	7	0.001263	57.14	None	No	0.008	NP (NDs)
Barium (mg/L)	BRGWC-25I	0.03255	0.02648	2	No	24	0.006263	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BRGWC-27I	0.0173	0.015	2	No	24	0.002693	0	None	No	0.01	NP (normality)
Barium (mg/L)	BRGWC-29I	0.01857	0.01682	2	No	24	0.00171	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-30I	0.03174	0.02511	2	No	24	0.006498	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-32S	0.03509	0.02341	2	No	24	0.01226	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BRGWC-44	0.05435	0.04965	2	No	12	0.003001	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-45	0.08626	0.06864	2	No	25	0.01768	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-47	0.03846	0.03105	2	No	25	0.007435	0	None	No	0.01	Param.
Barium (mg/L)	BRGWC-52I	0.03293	0.02022	2	No	24	0.01245	0	None	No	0.01	Param.
Barium (mg/L)	PZ-63I	0.037	0.0202	2	No	9	0.00524	0	None	No	0.002	NP (normality)
Barium (mg/L)	PZ-68D	0.1252	0.07706	2	No	7	0.02145	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	PZ-74I	0.0586	0.0204	2	No	7	0.01342	0	None	No	0.008	NP (normality)
Barium (mg/L)	PZ-75I	0.04855	0.02322	2	No	6	0.009217	0	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-27I	0.0005	0.00012	0.004	No	25	0.0001856	40	None	No	0.01	NP (normality)
Beryllium (mg/L)	BRGWC-29I	0.001078	0.0008542	0.004	No	24	0.000219	4.167	None	No	0.01	Param.
Beryllium (mg/L)	BRGWC-45	0.0005	0.000079	0.004	No	26	0.000119	92.31	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BRGWC-47	0.0005	0.00006	0.004	No	25	0.0001667	84	None	No	0.01	NP (NDs)
Beryllium (mg/L)	PZ-63I	0.0005	0.000286	0.004	No	9	0.00007133	88.89	None	No	0.002	NP (NDs)
Cadmium (mg/L)	BRGWC-27I	0.001	0.00009	0.005	No	25	0.0002548	92	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-30I	0.001	0.00014	0.005	No	25	0.0002466	92	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-32S	0.001	0.00012	0.005	No	25	0.0003359	84	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-45	0.001	0.00029	0.005	No	26	0.000336	80.77	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BRGWC-47	0.001	0.00018	0.005	No	25	0.0004142	60	None	No	0.01	NP (NDs)
Cadmium (mg/L)	PZ-63I	0.001	0.000351	0.005	No	9	0.0002163	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BRGWC-25I	0.01	0.0016	0.1	No	24	0.002461	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-27I	0.01	0.003	0.1	No	24	0.002278	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-29I	0.02	0.01	0.1	No	24	0.002041	95.83	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-30I	0.014	0.0051	0.1	No	24	0.001318	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-32S	0.01	0.0019	0.1	No	24	0.004238	54.17	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-45	0.01	0.0014	0.1	No	25	0.002995	88	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-47	0.01	0.0018	0.1	No	25	0.003359	84	None	No	0.01	NP (NDs)
Chromium (mg/L)	BRGWC-52I	0.01	0.0017	0.1	No	24	0.001694	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-25I	0.005396	0.003387	0.014	No	24	0.002123	4.167	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-27I	0.009274	0.006092	0.014	No	25	0.003192	0	None	No	0.01	Param.
Cobalt (mg/L)	BRGWC-29I	0.008849	0.00657	0.014	No	24	0.002381	4.167	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-30I	0.00179	0.001	0.014	No	25	0.006201	12	None	No	0.01	NP (normality)
Cobalt (mg/L)	BRGWC-32S	0.0025	0.001	0.014	No	25	0.0003	92	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-44	0.001	0.000408	0.014	No	12	0.0001709	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BRGWC-45	0.009528	0.003832	0.014	No	26	0.01312	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BRGWC-47	0.0014	0.00053	0.014	No	25	0.001487	44	None	No	0.01	NP (normality)
Cobalt (mg/L)	BRGWC-52I	0.0012	0.00063	0.014	No	24	0.0008616	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	**PZ-63I**	**0.04004**	**0.02414**	**0.014**	**Yes**	**9**	**0.008236**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	PZ-68D	0.0009573	0.000419	0.014	No	7	0.0002266	14.29	None	No	0.01	Param.
Cobalt (mg/L)	PZ-74I	0.00258	0.00059	0.014	No	7	0.0006521	57.14	None	No	0.008	NP (NDs)
Cobalt (mg/L)	PZ-75I	0.00105	0.000519	0.014	No	6	0.0002014	66.67	None	No	0.0155	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BRGWC-25I	2.145	0.8322	5	No	24	1.544	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-27I	1.915	0.9071	5	No	24	0.9872	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-29I	2.314	1.326	5	No	24	1.116	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-30I	2.21	0.9201	5	No	24	1.483	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-32S	1.588	0.7033	5	No	24	0.8665	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-44	2.918	0.5651	5	No	12	1.5	0	None	No	0.01	Param.

Confidence Interval Summary Table - All Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BRGWC-45	1.228	0.5222	5	No	25	0.8318	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-47	2.125	1.084	5	No	25	1.045	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BRGWC-52I	4.743	1.936	5	No	24	3.388	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-63I	4.353	1.125	5	No	9	1.672	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-68D	6.264	0.8475	5	No	7	2.28	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-74I	4.603	0.3157	5	No	7	2.588	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-75I	3.155	1.735	5	No	6	0.5171	0	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-25I	0.2484	0.1612	4	No	25	0.1139	4	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-27I	0.2597	0.1758	4	No	26	0.08607	7.692	None	No	0.01	Param.
Fluoride (mg/L)	BRGWC-29I	0.2	0.091	4	No	25	0.1084	8	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-30I	0.2851	0.1468	4	No	25	0.1865	4	None	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BRGWC-32S	0.09681	0.06225	4	No	26	0.04219	46.15	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BRGWC-44	0.1742	0.08253	4	No	12	0.05501	25	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BRGWC-45	0.142	0.078	4	No	26	0.1988	42.31	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-47	0.243	0.189	4	No	26	0.2354	42.31	None	No	0.01	NP (normality)
Fluoride (mg/L)	BRGWC-52I	0.2051	0.1243	4	No	24	0.07919	8.333	None	No	0.01	Param.
Fluoride (mg/L)	PZ-63I	0.2522	0.145	4	No	9	0.05552	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-68D	0.2078	0.1096	4	No	7	0.04133	0	None	No	0.01	Param.
Fluoride (mg/L)	PZ-74I	0.1947	0.07481	4	No	7	0.05392	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	PZ-75I	0.1591	0.05497	4	No	7	0.04382	14.29	None	No	0.01	Param.
Lead (mg/L)	BRGWC-25I	0.002	0.00011	0.015	No	24	0.0003858	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-27I	0.002	0.000063	0.015	No	24	0.0003954	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-29I	0.002	0.00032	0.015	No	23	0.0008271	43.48	None	No	0.01	NP (normality)
Lead (mg/L)	BRGWC-30I	0.002	0.00011	0.015	No	24	0.0003858	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-45	0.002	0.000595	0.015	No	25	0.0006488	84	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-47	0.002	0.00012	0.015	No	25	0.0006375	88	None	No	0.01	NP (NDs)
Lead (mg/L)	BRGWC-52I	0.002	0.000042	0.015	No	24	0.0003997	95.83	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-68D	0.002	0.000504	0.015	No	7	0.0005654	85.71	None	No	0.008	NP (NDs)
Lithium (mg/L)	BRGWC-27I	0.01	0.0014	0.089	No	24	0.004293	41.67	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-29I	0.003841	0.003162	0.089	No	24	0.0006945	12.5	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BRGWC-30I	0.0237	0.01521	0.089	No	24	0.008313	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-32S	0.00489	0.0022	0.089	No	24	0.006311	8.333	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-44	0.00728	0.0048	0.089	No	12	0.002909	0	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-45	0.0043	0.0031	0.089	No	24	0.003021	25	None	No	0.01	NP (normality)
Lithium (mg/L)	BRGWC-47	0.04624	0.042	0.089	No	25	0.004252	0	None	No	0.01	Param.
Lithium (mg/L)	BRGWC-52I	0.01068	0.005037	0.089	No	24	0.006101	4.167	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-63I	0.00724	0.005493	0.089	No	9	0.0009048	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-68D	0.007634	0.003109	0.089	No	7	0.001905	14.29	None	No	0.01	Param.
Lithium (mg/L)	PZ-74I	0.00849	0.00692	0.089	No	7	0.0006429	0	None	No	0.008	NP (normality)
Lithium (mg/L)	PZ-75I	0.005467	0.003253	0.089	No	6	0.0008057	0	None	No	0.01	Param.
Mercury (mg/L)	BRGWC-25I	0.0002	0.000083	0.002	No	22	0.00004129	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-27I	0.0002	0.00005	0.002	No	22	0.00004458	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-29I	0.000384	0.000098	0.002	No	22	0.0001409	77.27	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-30I	0.0002	0.000082	0.002	No	22	0.00004823	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BRGWC-32S	0.0002	0.0001	0.002	No	22	0.0000385	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-74I	0.0002	0.000121	0.002	No	7	0.00002986	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	BRGWC-25I	0.01	0.001	0.1	No	23	0.004526	43.48	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-27I	0.001	0.000512	0.1	No	23	0.0002426	86.96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-30I	0.01	0.0012	0.1	No	23	0.004465	47.83	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BRGWC-45	0.001	0.000545	0.1	No	24	0.0002985	70.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-47	0.01	0.000295	0.1	No	24	0.004684	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BRGWC-52I	0.01	0.000782	0.1	No	23	0.004131	30.43	None	No	0.01	NP (normality)
Molybdenum (mg/L)	PZ-63I	0.0008698	0.0006553	0.1	No	9	0.0001111	0	None	No	0.01	Param.
Molybdenum (mg/L)	PZ-68D	0.0111	0.00499	0.1	No	7	0.001985	0	None	No	0.008	NP (normality)
Molybdenum (mg/L)	PZ-74I	0.00276	0.000597	0.1	No	7	0.0007067	71.43	None	No	0.008	NP (NDs)
Selenium (mg/L)	BRGWC-25I	0.005	0.00217	0.05	No	24	0.0008089	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-27I	0.005	0.00309	0.05	No	24	0.001201	45.83	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-29I	0.005	0.0042	0.05	No	24	0.001364	50	None	No	0.01	NP (normality)
Selenium (mg/L)	BRGWC-30I	0.005	0.0045	0.05	No	24	0.000807	79.17	None	No	0.01	NP (NDs)
Selenium (mg/L)	**BRGWC-32S**	**0.1635**	**0.09503**	**0.05**	**Yes**	**18**	**0.05657**	**0**	**None**	**No**	**0.01**	**Param.**
Selenium (mg/L)	BRGWC-44	0.005	0.00202	0.05	No	12	0.0008603	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-45	0.005	0.0029	0.05	No	25	0.0006593	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-47	0.005	0.0024	0.05	No	25	0.001463	68	None	No	0.01	NP (NDs)
Selenium (mg/L)	BRGWC-52I	0.005	0.00198	0.05	No	24	0.0006165	95.83	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-63I	0.005	0.00262	0.05	No	9	0.0007933	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	PZ-68D	0.005	0.00205	0.05	No	7	0.001115	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	PZ-74I	0.07697	0.03315	0.05	No	7	0.01844	0	None	No	0.01	Param.
Selenium (mg/L)	**PZ-75I**	**0.1359**	**0.07304**	**0.05**	**Yes**	**7**	**0.02645**	**0**	**None**	**No**	**0.01**	**Param.**

Confidence Interval Summary Table - All Results

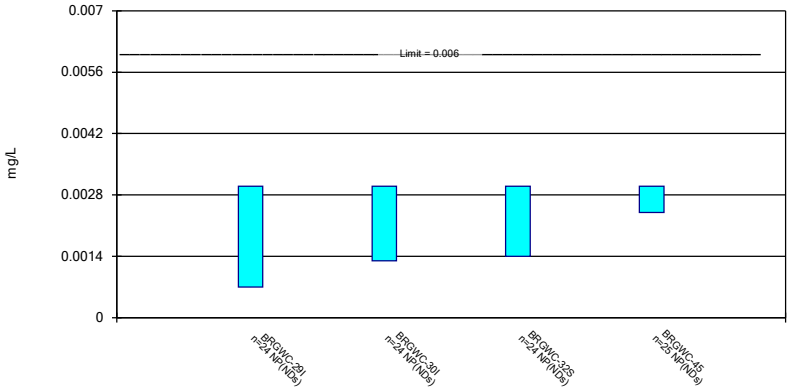
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	BRGWC-29I	0.002	0.00017	0.002	No	24	0.0009272	45.83	None	No	0.01	NP (normality)

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Non-Parametric Confidence Interval

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

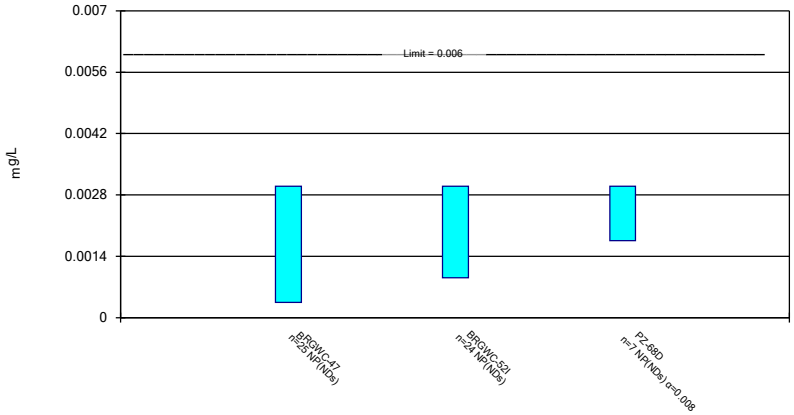


Constituent: Antimony Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

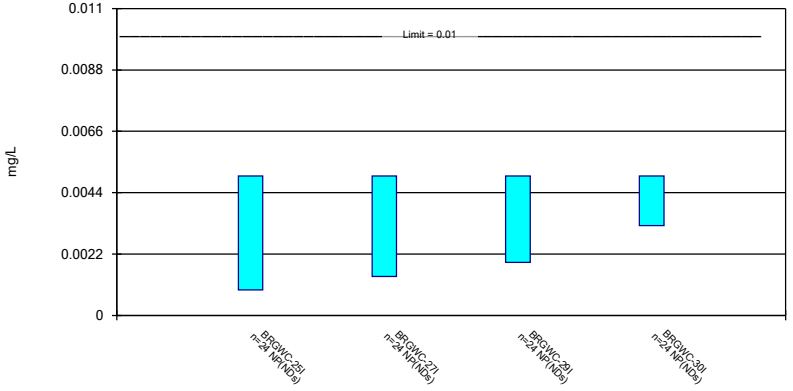


Constituent: Antimony Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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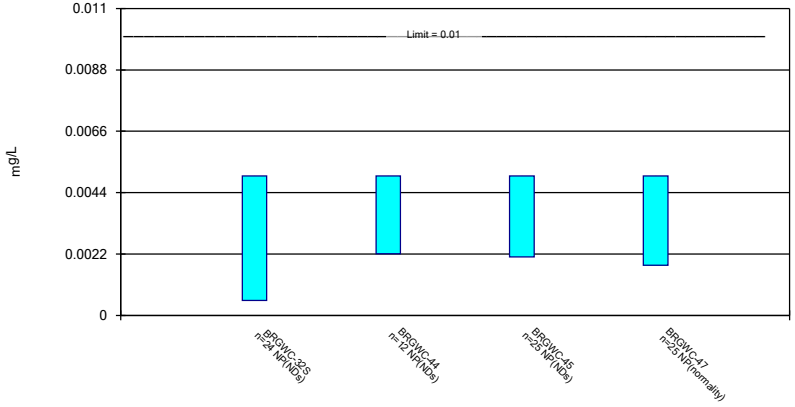


Constituent: Arsenic Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

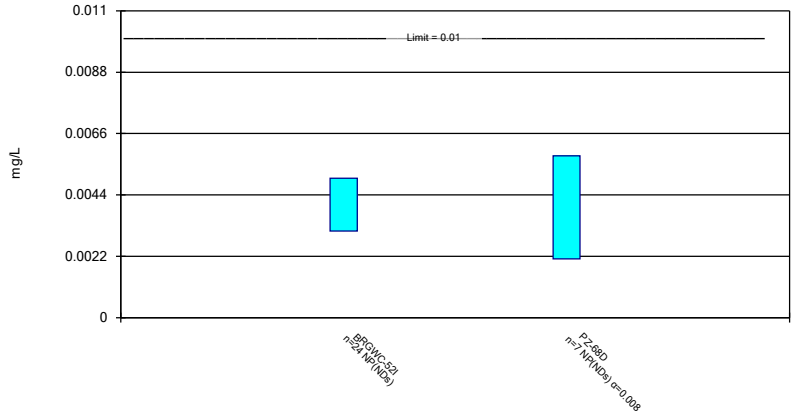


Constituent: Arsenic Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

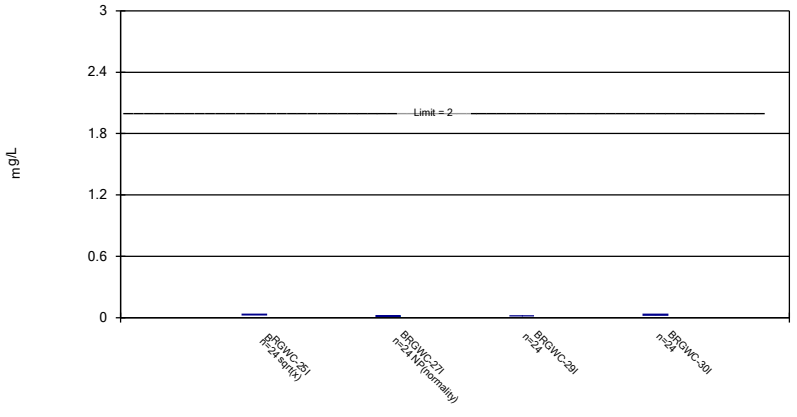


Constituent: Arsenic Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Parametric and Non-Parametric (NP) Confidence Interval

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

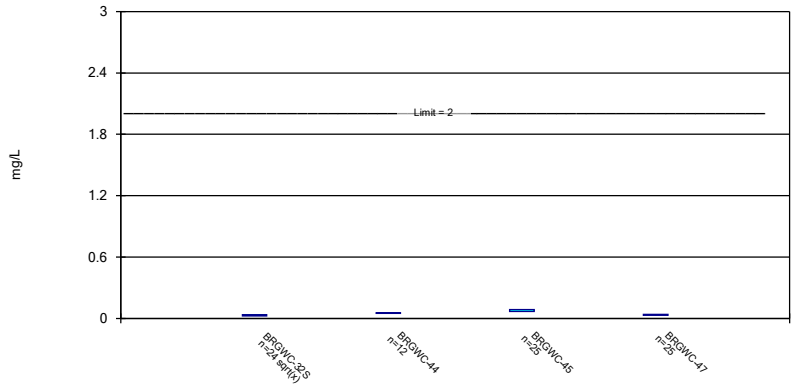


Constituent: Barium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Parametric Confidence Interval

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

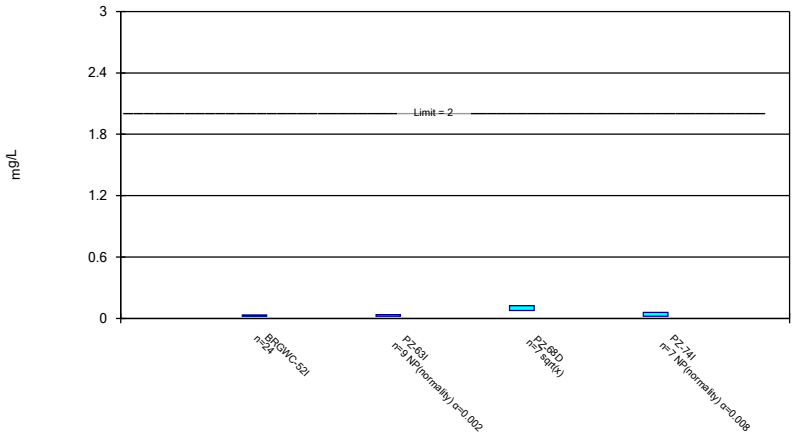


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Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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.

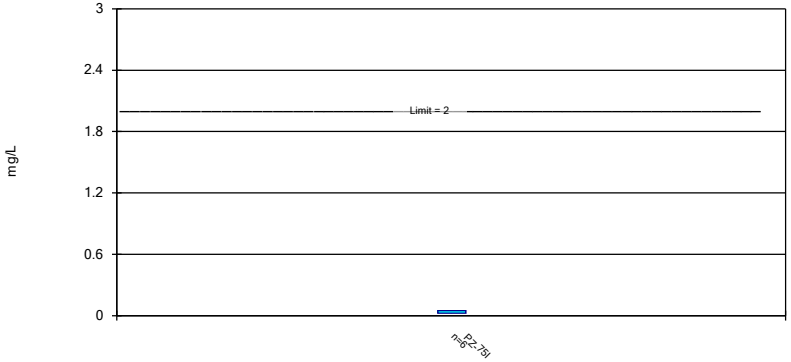


Constituent: Barium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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.

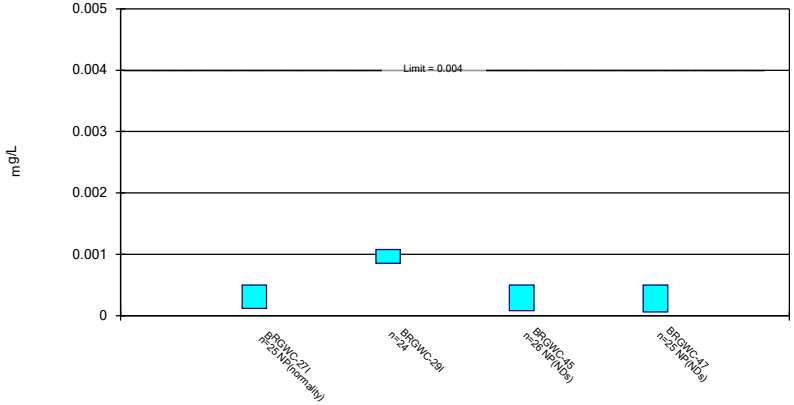


Constituent: Barium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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.

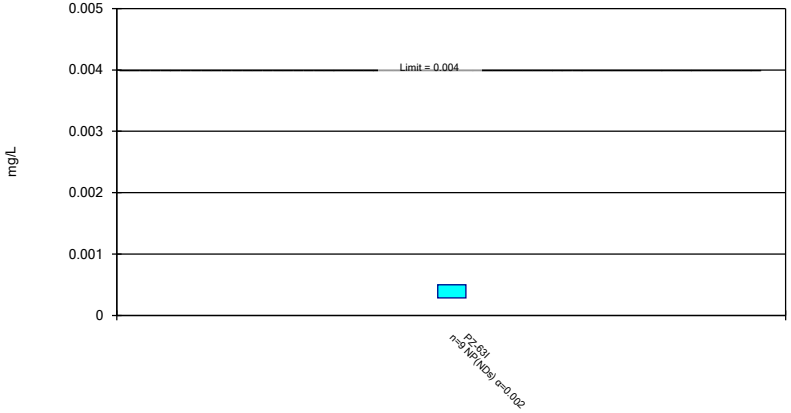


Constituent: Beryllium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

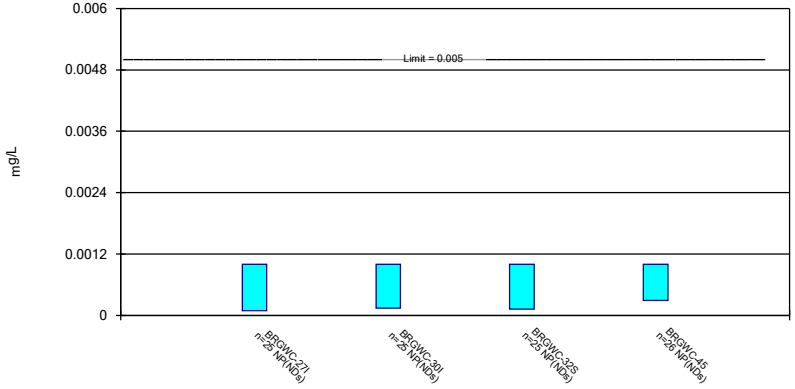


Constituent: Beryllium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

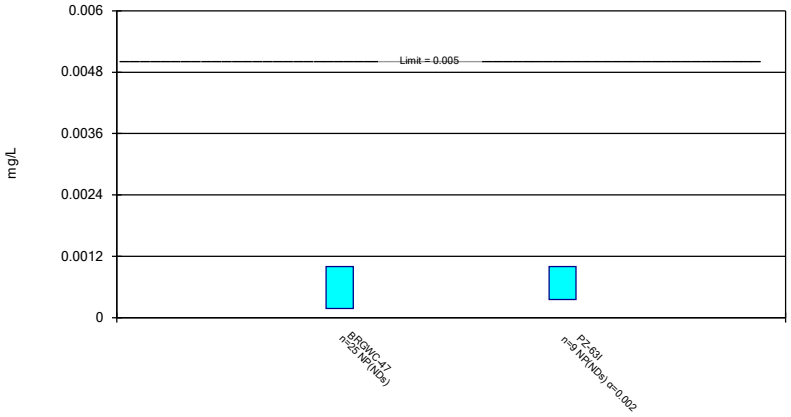


Constituent: Cadmium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

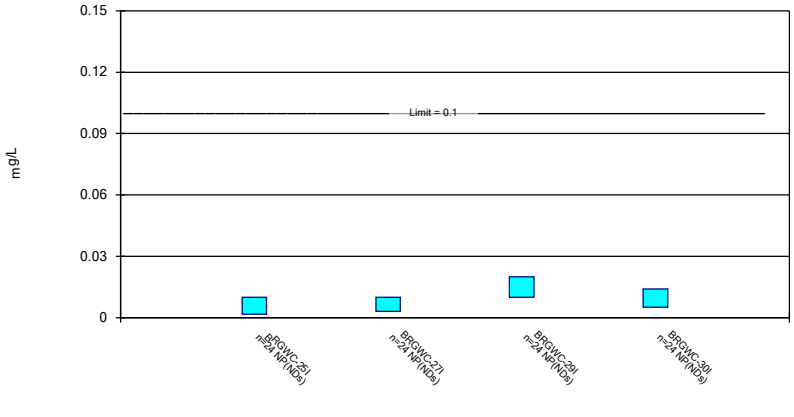


Constituent: Cadmium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

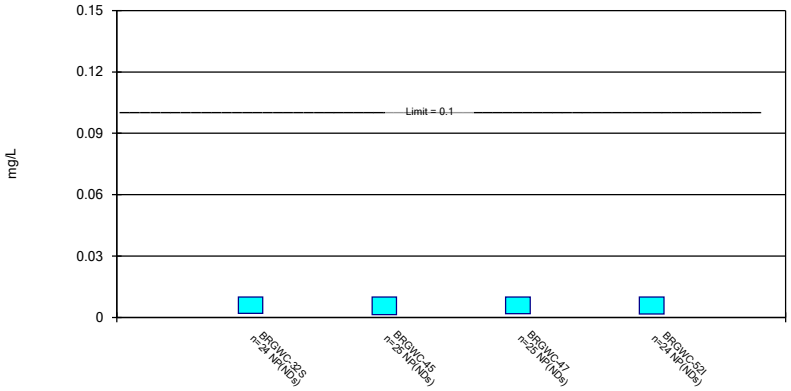


Constituent: Chromium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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

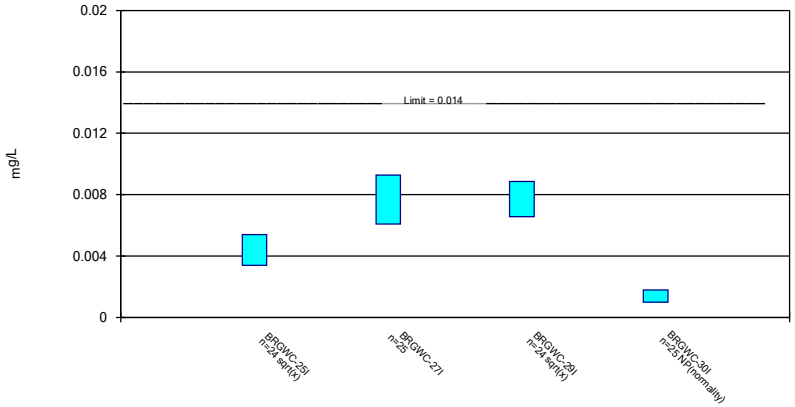


Constituent: Chromium Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Parametric and Non-Parametric (NP) Confidence Interval

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

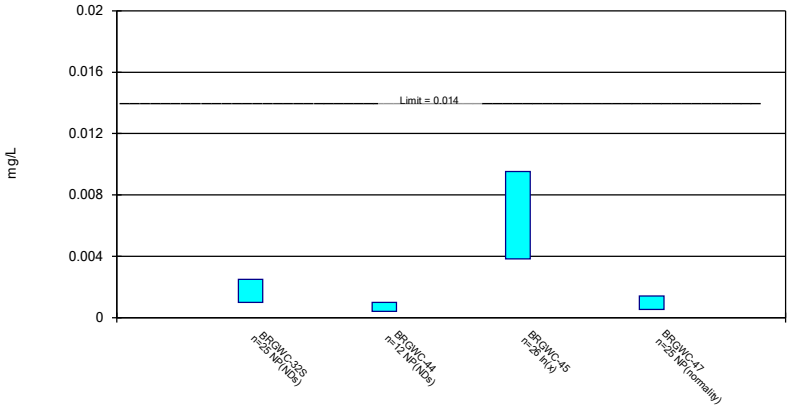


Constituent: Cobalt Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

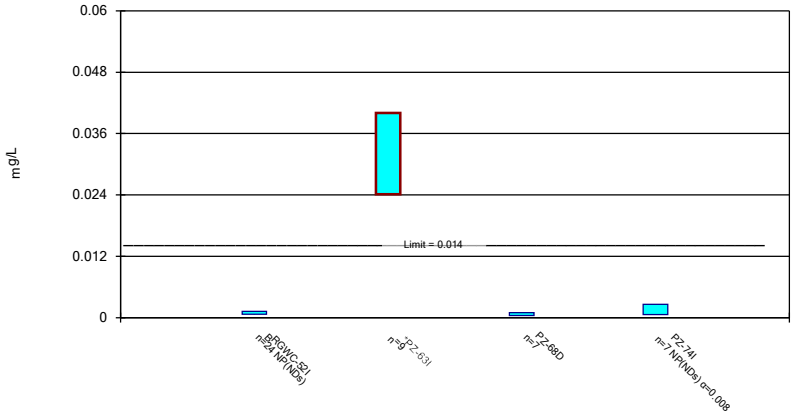


Constituent: Cobalt Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

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.

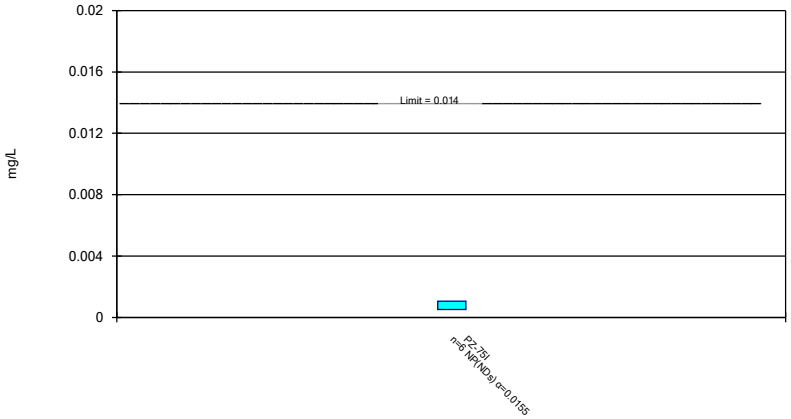


Constituent: Cobalt Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

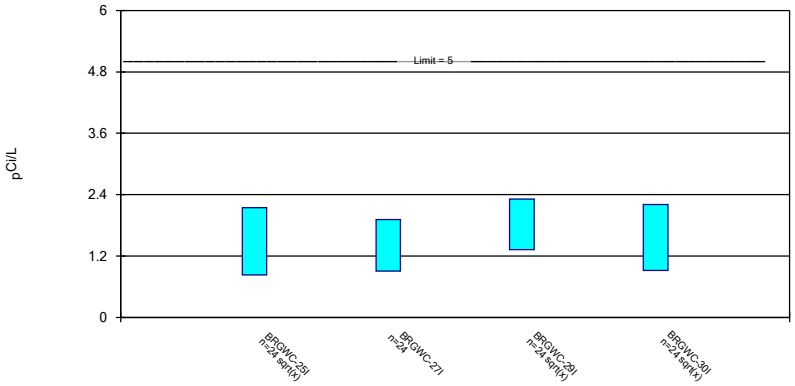


Constituent: Cobalt Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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.

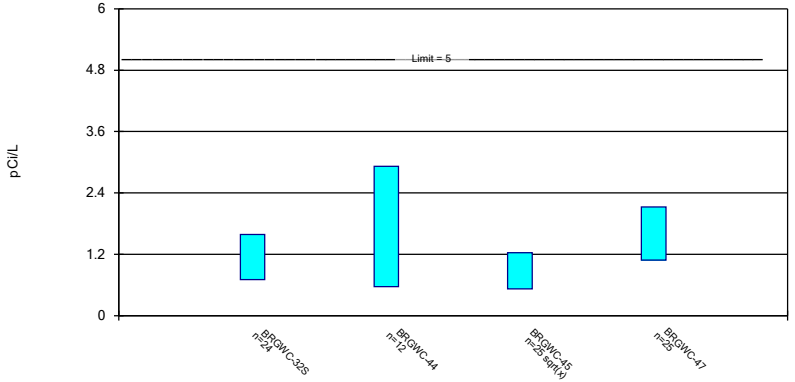


Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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.

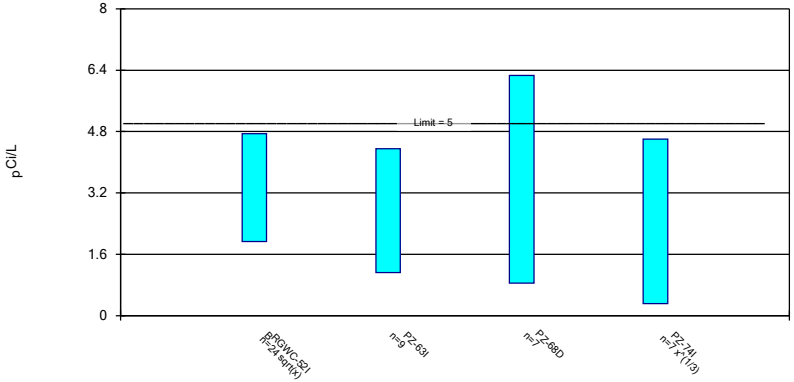


Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

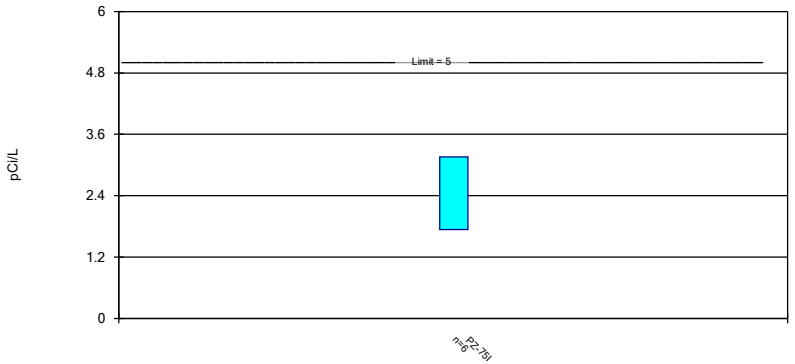


Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

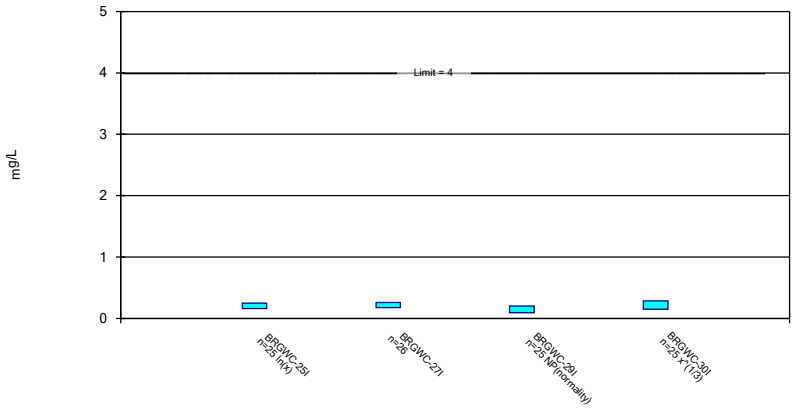


Constituent: Combined Radium 226 + 228 Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

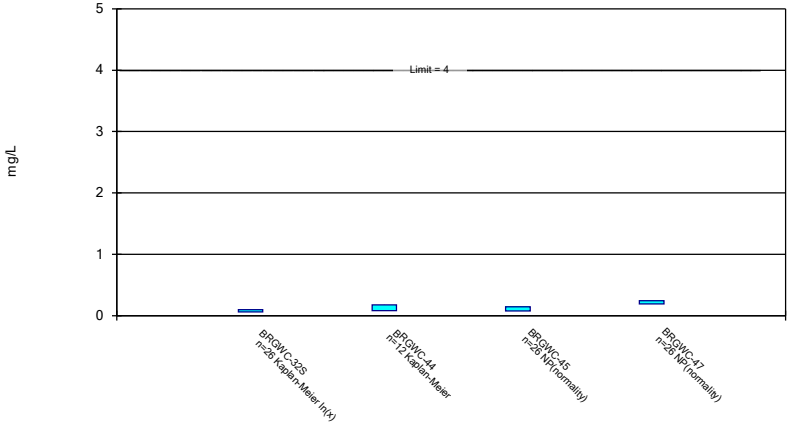


Constituent: Fluoride Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

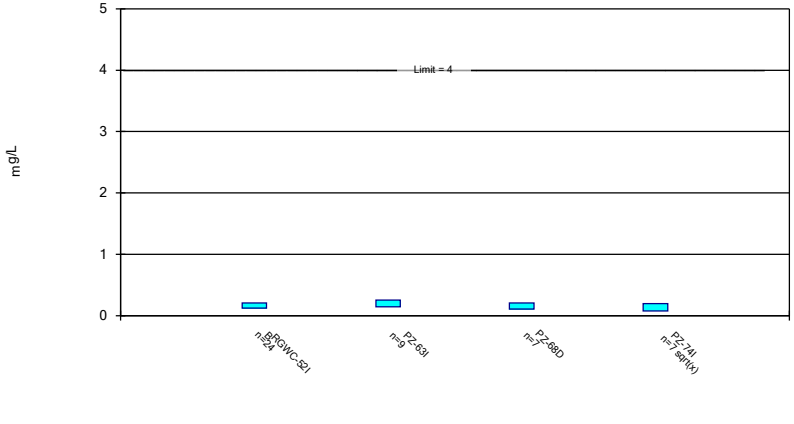


Constituent: Fluoride Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

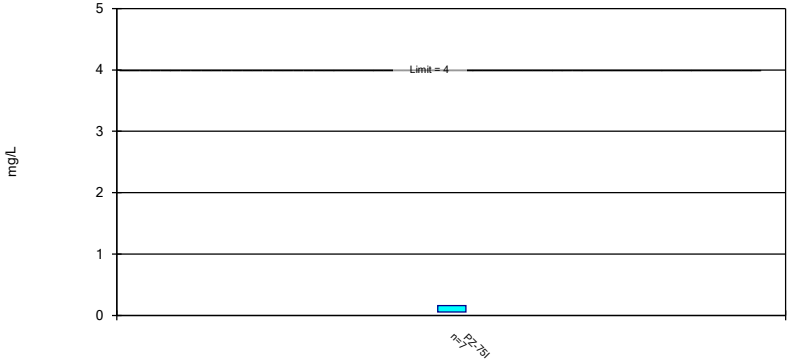


Constituent: Fluoride Analysis Run 4/8/2026 2:20 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

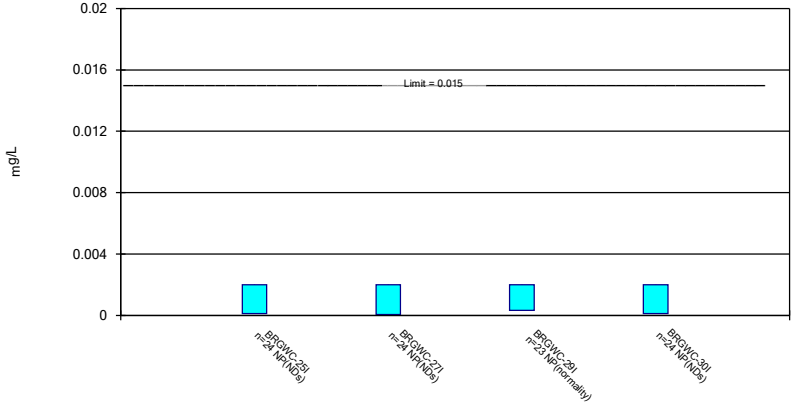


Constituent: Fluoride Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

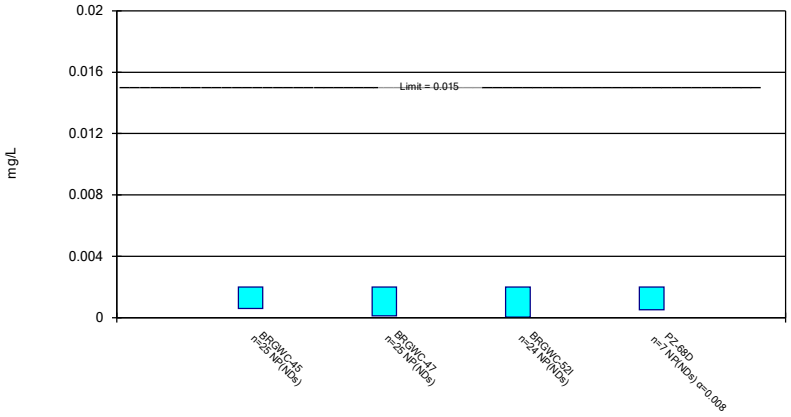


Constituent: Lead Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

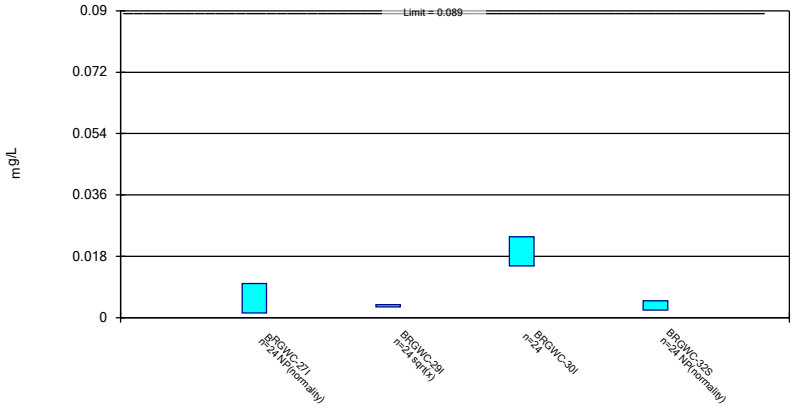


Constituent: Lead Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

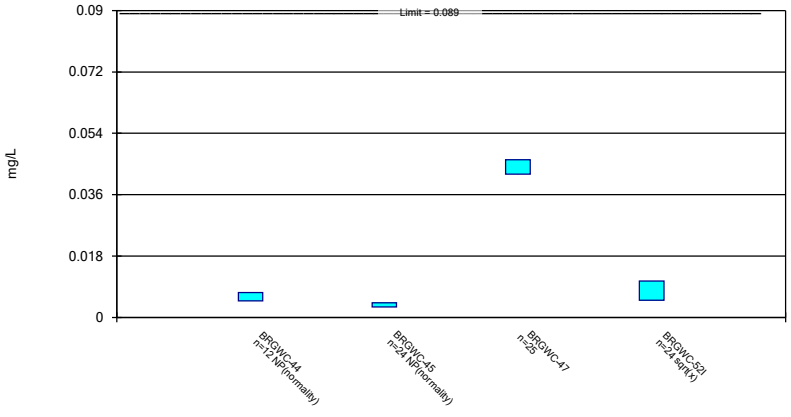


Constituent: Lithium Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

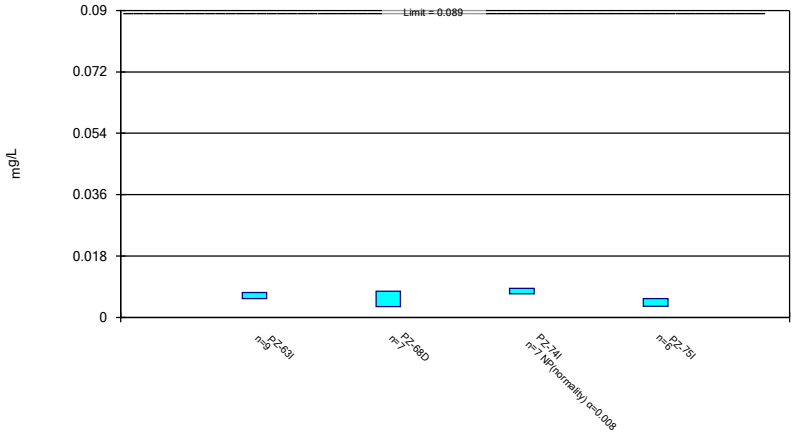


Constituent: Lithium Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 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.

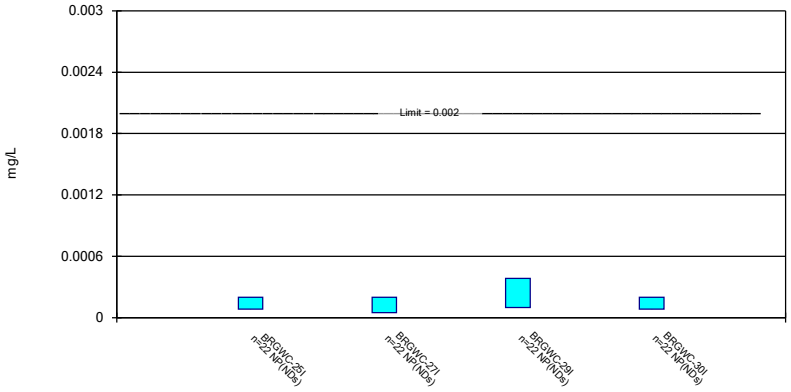


Constituent: Lithium Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Non-Parametric Confidence Interval

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



Constituent: Mercury Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

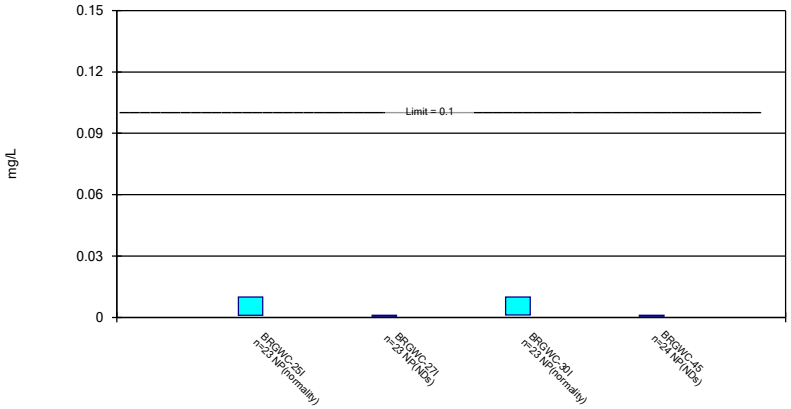


Constituent: Mercury Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

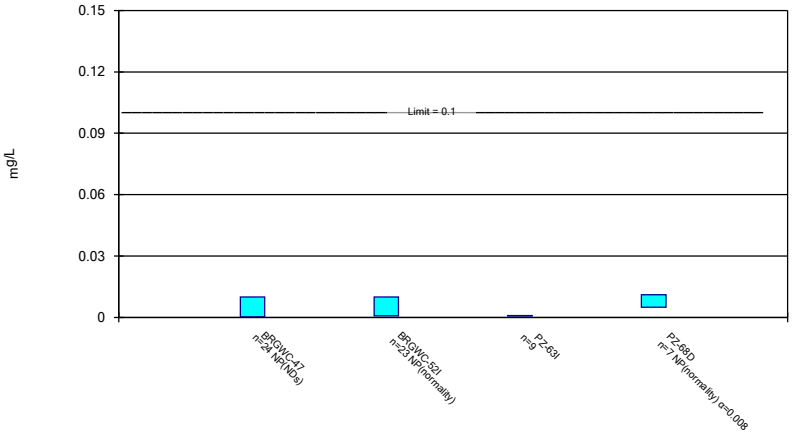


Constituent: Molybdenum Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 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.

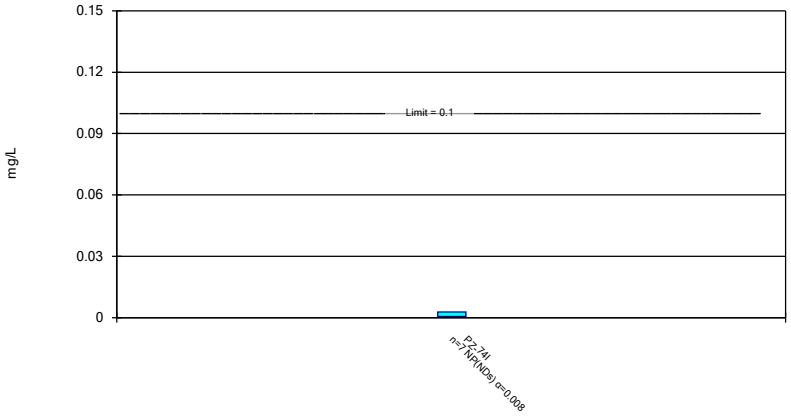


Constituent: Molybdenum Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

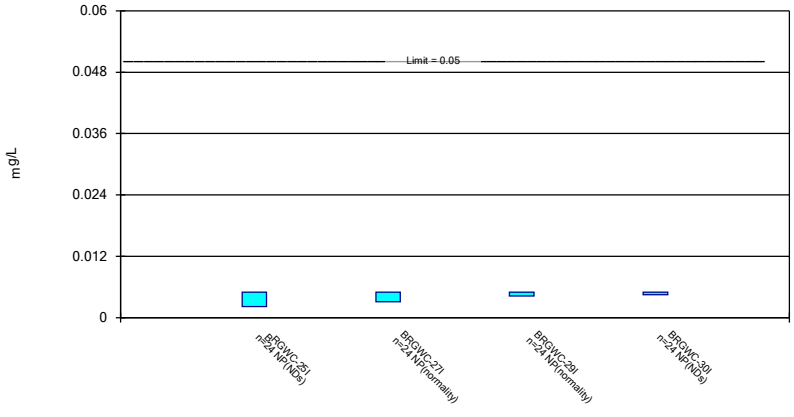


Constituent: Molybdenum Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

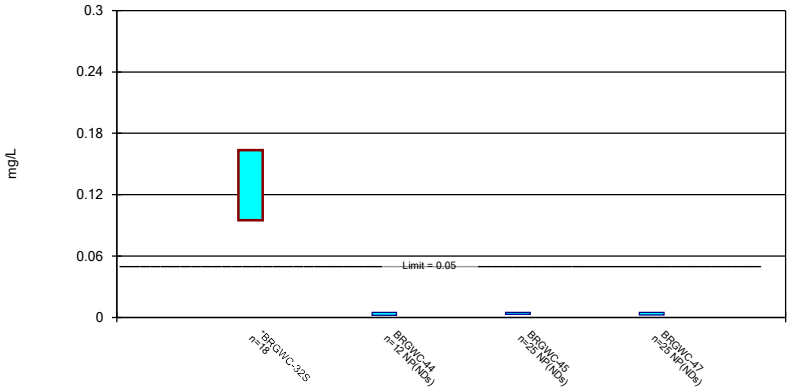


Constituent: Selenium Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

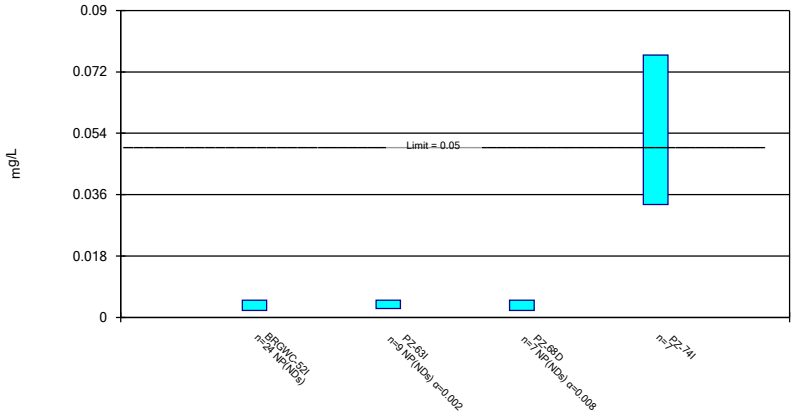


Constituent: Selenium Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 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.

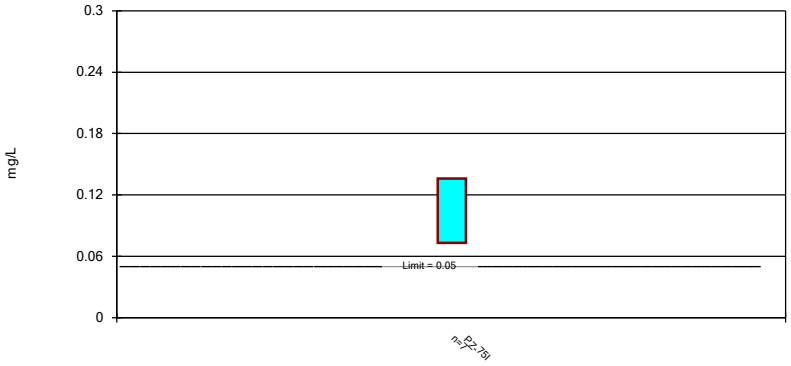


Constituent: Selenium Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Parametric Confidence Interval

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

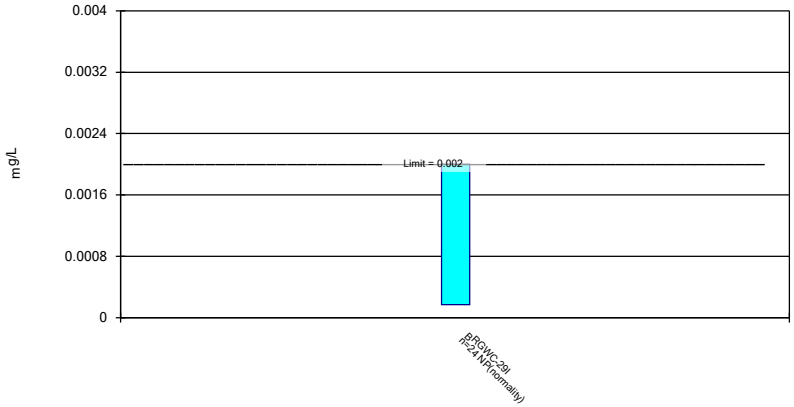


Constituent: Selenium Analysis Run 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 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 4/8/2026 2:21 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-45
9/6/2016		<0.003		
9/8/2016	<0.003		<0.003	
11/21/2016	<0.003	<0.003	<0.003	
2/22/2017	<0.003	<0.003	<0.003	
6/14/2017	0.0007 (J)	<0.003	<0.003	
9/27/2017	<0.003	<0.003	<0.003	
2/14/2018	<0.003	<0.003	<0.003	
3/6/2018				<0.003
5/1/2018				<0.003
6/27/2018	<0.003		<0.003	
6/28/2018		<0.003		<0.003
7/31/2018				<0.003
8/23/2018				<0.003
9/19/2018				<0.003
10/29/2018				<0.003
11/28/2018				<0.003
12/18/2018	<0.003	<0.003		
12/19/2018			<0.003	
12/20/2018				0.0024 (J)
8/27/2019		<0.003	<0.003	
8/28/2019	<0.003			0.00046 (J)
10/16/2019	<0.003			
12/3/2019				0.00088 (J)
12/4/2019		<0.003	<0.003	
3/4/2020	<0.003			
3/5/2020		<0.003	0.0014 (J)	0.0016 (J)
8/19/2020	<0.003	<0.003	<0.003	
8/20/2020				0.0031
9/15/2020	<0.003			
9/16/2020		<0.003	<0.003	0.0012 (J)
3/2/2021				0.0014 (J)
3/3/2021	<0.003	<0.003		
3/4/2021			<0.003	
9/23/2021				<0.003
9/28/2021	<0.003	<0.003	<0.003	
2/2/2022		0.0013 (J)	<0.003	<0.003
2/3/2022	<0.003			
8/24/2022	<0.003	<0.003		
8/25/2022			<0.003	<0.003
1/24/2023			<0.003	
1/25/2023				<0.003
1/26/2023	<0.003	<0.003		
8/22/2023		<0.003	<0.003	
8/24/2023	<0.003			<0.003
1/30/2024		<0.003	<0.003	
1/31/2024	<0.003			
2/1/2024				<0.003
8/27/2024	<0.003			
8/28/2024		<0.003	<0.003	
8/29/2024				<0.003
2/19/2025	<0.003	<0.003	<0.003	<0.003
8/26/2025	<0.003		<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I	BRGWC-30I	BRGWC-32S	BRGWC-45
8/27/2025		<0.003		
2/19/2026	<0.003	<0.003	<0.003	<0.003
Mean	0.002904	0.002929	0.002933	0.002602
Std. Dev.	0.0004695	0.000347	0.0003266	0.0007934
Upper Lim.	0.003	0.003	0.003	0.003
Lower Lim.	0.0007	0.0013	0.0014	0.0024

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-47	BRGWC-52I	PZ-68D
3/6/2018	<0.003		
5/1/2018	<0.003		
6/27/2018	<0.003		
8/1/2018	<0.003		
8/10/2018		<0.003	
8/23/2018	<0.003	0.00085 (J)	
9/19/2018	<0.003	<0.003	
10/29/2018	<0.003	<0.003	
11/28/2018	<0.003	<0.003	
12/19/2018	<0.003		
12/20/2018		<0.003	
1/17/2019		<0.003	
2/13/2019		<0.003	
8/28/2019	<0.003		
8/29/2019		<0.003	
10/16/2019	<0.003	<0.003	
3/4/2020	<0.003	0.00043 (J)	
8/20/2020	<0.003	<0.003	
9/16/2020	0.00035 (J)		
9/17/2020		<0.003	
3/2/2021	<0.003		
3/4/2021		0.00091 (J)	
9/23/2021	<0.003		
9/28/2021		<0.003	
2/2/2022	<0.003	<0.003	
8/23/2022	<0.003		
8/25/2022		<0.003	
1/25/2023		<0.003	
1/26/2023	<0.003		
2/1/2023			0.00176 (J)
8/23/2023			<0.003
8/24/2023	<0.003	<0.003	
1/30/2024	<0.003		
2/1/2024		<0.003	<0.003
8/28/2024	<0.003	<0.003	
8/29/2024			<0.003
2/18/2025	<0.003		
2/19/2025		<0.003	<0.003
8/26/2025	<0.003		
8/27/2025		<0.003	<0.003
2/19/2026	<0.003	<0.003	
2/24/2026			<0.003
Mean	0.002894	0.002716	0.002823
Std. Dev.	0.00053	0.0007707	0.0004687
Upper Lim.	0.003	0.003	0.003
Lower Lim.	0.00035	0.00091	0.00176

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				<0.005
9/8/2016	<0.005	<0.005	<0.005	
11/17/2016	<0.005			
11/18/2016		<0.005		
11/21/2016			0.0019 (J)	<0.005
2/21/2017	<0.005	<0.005		
2/22/2017			<0.005	<0.005
6/13/2017	0.0006 (J)	0.0009 (J)		
6/14/2017			0.002 (J)	<0.005
9/27/2017	<0.005	0.0007 (J)	0.0016 (J)	<0.005
2/14/2018	<0.005	<0.005	<0.005	<0.005
6/26/2018	0.00072 (J)			
6/27/2018		<0.005	<0.005	
6/28/2018				0.00073 (J)
12/18/2018	0.00091 (J)		<0.005	<0.005
12/20/2018		<0.005		
8/27/2019	<0.005			<0.005
8/28/2019		0.0014 (J)	0.00051 (J)	
10/15/2019	0.00052 (J)			
10/16/2019			0.00065 (J)	
12/4/2019		0.0011 (J)		0.00056 (J)
3/4/2020	<0.005	<0.005	0.00044 (J)	
3/5/2020				<0.005
8/19/2020	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005		<0.005	
9/16/2020		<0.005		<0.005
3/2/2021	<0.005			
3/3/2021		<0.005	0.0015 (J)	<0.005
9/28/2021	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005			<0.005
2/3/2022			<0.005	
2/4/2022		<0.005		
8/23/2022	<0.005			
8/24/2022			<0.005	0.00283 (J)
8/25/2022		<0.005		
1/25/2023		<0.005		
1/26/2023	<0.005		<0.005	0.00208 (J)
8/22/2023				<0.005
8/24/2023	<0.005	<0.005	<0.005	
1/30/2024				0.002 (J)
1/31/2024	<0.005	<0.005	<0.005	
8/27/2024		<0.005	<0.005	
8/28/2024				<0.005
8/29/2024	<0.005			
2/19/2025	<0.005	<0.005	<0.005	<0.005
8/26/2025		<0.005	0.00273 (J)	
8/27/2025				0.00408 (J)
8/28/2025	<0.005			
2/19/2026	<0.005	<0.005	<0.005	0.00322 (J)
Mean	0.004281	0.004337	0.003805	0.004187
Std. Dev.	0.001643	0.001517	0.001784	0.00145
Upper Lim.	0.005	0.005	0.005	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Lower Lim.	0.00091	0.0014	0.0019	0.00322

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/8/2016	<0.005			
11/21/2016	<0.005			
2/22/2017	<0.005			
6/14/2017	<0.005			
9/27/2017	<0.005			
2/14/2018	<0.005			
3/6/2018		0.00082 (J)	0.0018 (J)	0.0025 (J)
5/1/2018		<0.005	0.0021 (J)	0.0016 (J)
6/27/2018	<0.005			0.0016 (J)
6/28/2018			0.0017 (J)	
7/31/2018			<0.005	
8/1/2018				0.0028 (J)
8/23/2018			0.00075 (J)	<0.005
9/19/2018			<0.005	<0.005
10/29/2018			<0.005	0.0012 (J)
11/28/2018			0.00096 (J)	0.0019 (J)
12/19/2018	<0.005			0.00075 (J)
12/20/2018			<0.005	
8/27/2019	<0.005			
8/28/2019			0.00058 (J)	0.0018 (J)
10/16/2019				<0.005
12/3/2019			0.0007 (J)	
12/4/2019	0.00053 (J)			
3/4/2020				0.00049 (J)
3/5/2020	<0.005		<0.005	
8/19/2020	<0.005			
8/20/2020			<0.005	0.00089 (J)
9/16/2020	<0.005		<0.005	<0.005
3/2/2021			<0.005	<0.005
3/4/2021	<0.005			
9/23/2021			<0.005	0.002 (J)
9/28/2021	<0.005	<0.005		
2/2/2022	<0.005	0.004 (J)	<0.005	0.0056
8/23/2022				0.00228 (J)
8/25/2022	<0.005	<0.005	<0.005	
1/24/2023	<0.005			
1/25/2023		0.00221 (J)	0.00225 (J)	
1/26/2023				0.0024 (J)
8/22/2023	<0.005			
8/23/2023		<0.005		
8/24/2023			<0.005	0.0038 (J)
1/30/2024	<0.005	<0.005		<0.005
2/1/2024			<0.005	
8/27/2024		<0.005		
8/28/2024	<0.005			<0.005
8/29/2024			<0.005	
2/18/2025				<0.005
2/19/2025	<0.005	<0.005	<0.005	
8/26/2025	<0.005		<0.005	<0.005
8/27/2025		<0.005		
2/19/2026	<0.005	<0.005	<0.005	0.0026 (J)
Mean	0.004814	0.004336	0.003834	0.003168

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
Std. Dev.	0.0009124	0.00138	0.001774	0.001716
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.00053	0.00221	0.0021	0.0018

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-68D
8/10/2018	<0.005	
8/23/2018	<0.005	
9/19/2018	0.0013 (J)	
10/29/2018	0.0038 (J)	
11/28/2018	0.0016 (J)	
12/20/2018	0.0032 (J)	
1/17/2019	0.0032 (J)	
2/13/2019	<0.005	
8/29/2019	0.00067 (J)	
10/16/2019	0.0026 (J)	
3/4/2020	0.0047 (J)	
8/20/2020	0.0031 (J)	
9/17/2020	<0.005	
3/4/2021	0.003 (J)	
9/28/2021	<0.005	
2/2/2022	<0.005	
8/25/2022	<0.005	
1/25/2023	<0.005	
2/1/2023		0.0058
8/23/2023		0.00342 (J)
8/24/2023	<0.005	
2/1/2024	<0.005	<0.005
8/28/2024	<0.005	
8/29/2024		<0.005
2/19/2025	<0.005	<0.005
8/27/2025	<0.005	0.00211 (J)
2/19/2026	<0.005	
2/24/2026		<0.005
Mean	0.004049	0.004476
Std. Dev.	0.001378	0.001263
Upper Lim.	0.005	0.0058
Lower Lim.	0.0031	0.00211

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				0.0206
9/8/2016	0.0378	0.0184	0.0199	
11/17/2016	0.0448			
11/18/2016		0.0173		
11/21/2016			0.0221 (J)	0.0237 (J)
2/21/2017	0.0447	0.015		
2/22/2017			0.0179	0.0219
6/13/2017	0.0351	0.0143		
6/14/2017			0.0157	0.0197
9/27/2017	0.0383	0.017	0.0165	0.0213
2/14/2018	0.0327	0.0166	0.0163	0.0236
6/26/2018	0.031			
6/27/2018		0.015	0.017	
6/28/2018				0.023
12/18/2018	0.03		0.017	0.029
12/20/2018		0.015		
8/27/2019	0.027			0.027
8/28/2019		0.019	0.02	
10/15/2019	0.027			
10/16/2019			0.019	
12/4/2019		0.016		0.021
3/4/2020	0.026	0.015	0.018	
3/5/2020				0.025
8/19/2020	0.027	0.016	0.019	0.026
9/15/2020	0.024		0.017	
9/16/2020		0.016		0.022
3/2/2021	0.026			
3/3/2021		0.016	0.021	0.028
9/28/2021	0.023	0.013	0.017	0.035
2/2/2022	0.023			0.031
2/3/2022			0.016	
2/4/2022		0.015		
8/23/2022	0.0259			
8/24/2022			0.0175	0.0389
8/25/2022		0.0161		
1/25/2023		0.0166		
1/26/2023	0.0293		0.018	0.0397
8/22/2023				0.04
8/24/2023	0.0271	0.0151	0.0174	
1/30/2024				0.0349
1/31/2024	0.0276	0.0155	0.0179	
8/27/2024		0.0164	0.0163	
8/28/2024				0.0339
8/29/2024	0.0291			
2/19/2025	0.0254	0.0193	0.0168	0.0328
8/26/2025		0.0255	0.0159	
8/27/2025				0.0343
8/28/2025	0.0292			
2/19/2026	0.0224	0.0225	0.0155	0.03
Mean	0.02973	0.01673	0.0177	0.02843
Std. Dev.	0.006263	0.002693	0.00171	0.006498
Upper Lim.	0.03255	0.0173	0.01857	0.03174

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Lower Lim.	0.02648	0.015	0.01682	0.02511

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/8/2016	0.0593			
11/21/2016	0.0532			
2/22/2017	0.0498			
6/14/2017	0.0421			
9/27/2017	0.0411			
2/14/2018	0.0417			
3/6/2018		0.0461	0.1	0.0519
5/1/2018		0.052	0.084	0.049
6/27/2018	0.038			0.046
6/28/2018			0.067	
7/31/2018			0.087	
8/1/2018				0.043
8/23/2018			0.084	0.038
9/19/2018			0.086	0.036
10/29/2018			0.098	0.041
11/28/2018			0.11	0.039
12/19/2018	0.036			0.04
12/20/2018			0.093	
8/27/2019	0.032			
8/28/2019			0.11	0.035
10/16/2019				0.032
12/3/2019			0.099	
12/4/2019	0.028			
3/4/2020				0.038
3/5/2020	0.026		0.078	
8/19/2020	0.025			
8/20/2020			0.083	0.035
9/16/2020	0.024		0.085	0.028
3/2/2021			0.061	0.036
3/4/2021	0.024			
9/23/2021			0.064	0.031
9/28/2021	0.02	0.049		
2/2/2022	0.023	0.052	0.063	0.028
8/23/2022				0.0285
8/25/2022	0.0231	0.056	0.0574	
1/24/2023	0.0182			
1/25/2023		0.0498	0.0695	
1/26/2023				0.0311
8/22/2023	0.0243			
8/23/2023		0.0555		
8/24/2023			0.0524	0.028
1/30/2024	0.0192	0.052		0.0278
2/1/2024			0.0497	
8/27/2024		0.0524		
8/28/2024	0.0163			0.0257
8/29/2024			0.0602	
2/18/2025				0.0266
2/19/2025	0.0192	0.05	0.0629	
8/26/2025	0.0185		0.0676	0.028
8/27/2025		0.0561		
2/19/2026	0.019	0.0531	0.0645	0.0262
Mean	0.03004	0.052	0.07745	0.03475

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
Std. Dev.	0.01226	0.003001	0.01768	0.007435
Upper Lim.	0.03509	0.05435	0.08626	0.03846
Lower Lim.	0.02341	0.04965	0.06864	0.03105

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I
8/10/2018	0.038			
8/23/2018	0.03			
9/19/2018	0.03			
10/29/2018	0.025			
11/28/2018	0.017			
12/20/2018	0.013			
1/17/2019	0.017			
2/13/2019	0.025			
8/29/2019	0.017			
10/16/2019	0.015			
3/4/2020	0.022			
8/20/2020	0.017			
9/17/2020	0.02			
3/4/2021	0.019			
9/28/2021	0.013			
2/2/2022	0.013			
2/4/2022		0.037		
8/25/2022	0.0179	0.023		
1/25/2023	0.0249			
1/30/2023		0.022		
2/1/2023			0.145	
6/6/2023				0.0586
8/23/2023		0.0221	0.107	
8/24/2023	0.0415			0.0346
2/1/2024	0.0414	0.0202	0.0853	0.0245
8/27/2024				0.026
8/28/2024	0.0345			
8/29/2024		0.0206	0.0796	
2/18/2025				0.0222
2/19/2025	0.039	0.0224	0.0959	
8/27/2025	0.0557	0.021	0.0959	0.0235
2/18/2026		0.0209		
2/19/2026	0.052			0.0204
2/24/2026			0.0952	
Mean	0.02658	0.02324	0.1006	0.02997
Std. Dev.	0.01245	0.00524	0.02145	0.01342
Upper Lim.	0.03293	0.037	0.1252	0.0586
Lower Lim.	0.02022	0.0202	0.07706	0.0204

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-75I
8/24/2023	0.0513
2/1/2024	0.0421
8/27/2024	0.035
2/18/2025	0.0299
8/27/2025	0.0297
2/19/2026	0.0273
Mean	0.03588
Std. Dev.	0.009217
Upper Lim.	0.04855
Lower Lim.	0.02322

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-45	BRGWC-47
9/8/2016	0.0002 (J)	0.0011 (J)		
11/18/2016	0.0002 (J)			
11/21/2016		0.0012 (J)		
2/21/2017	0.0002 (J)			
2/22/2017		0.0014 (J)		
6/13/2017	0.0002 (J)			
6/14/2017		0.0012 (J)		
9/27/2017	0.0001 (J)	0.001 (J)		
2/14/2018	<0.0005	<0.003		
3/6/2018			<0.0005	<0.0005
5/1/2018			<0.0005	<0.0005
6/27/2018	0.00014 (J)	0.0008 (J)		<0.0005
6/28/2018			<0.0005	
7/31/2018			<0.0005	
8/1/2018				<0.0005
8/23/2018			7.9E-05 (J)	5.5E-05 (J)
9/19/2018			<0.0005	<0.0005
10/29/2018			<0.0005	<0.0005
11/28/2018			<0.0005	5.6E-05 (J)
12/18/2018		0.00071 (J)		
12/19/2018				6E-05 (J)
12/20/2018	0.00012 (J)		<0.0005	
8/28/2019	0.00012 (J)	0.0008 (J)	<0.0005	<0.0005
10/16/2019		0.00072 (J)		<0.0005
10/17/2019	<0.0005		<0.0005	
12/3/2019			<0.0005	
12/4/2019	0.00012 (J)			
3/4/2020	0.00012 (J)	0.00073 (J)		<0.0005
3/5/2020			<0.0005	
8/19/2020	9.9E-05 (J)	0.00074 (J)		
8/20/2020			4.6E-05 (J)	4.7E-05 (J)
9/15/2020		0.00071 (J)		
9/16/2020	0.00011 (J)		<0.0005	<0.0005
3/2/2021			<0.0005	<0.0005
3/3/2021	7.1E-05 (J)	0.00094		
9/23/2021			<0.0005	<0.0005
9/28/2021	<0.0005	0.00079		
2/2/2022			<0.0005	<0.0005
2/3/2022		0.00083		
2/4/2022	5.4E-05 (J)			
8/23/2022				<0.0005
8/24/2022		0.000845		
8/25/2022	<0.0005		<0.0005	
1/25/2023	<0.0005		<0.0005	
1/26/2023		0.00109		<0.0005
8/24/2023	<0.0005	0.00113	<0.0005	<0.0005
1/30/2024				<0.0005
1/31/2024	<0.0005	0.00114		
2/1/2024			<0.0005	
8/27/2024	<0.0005	0.000892		
8/28/2024				<0.0005
8/29/2024			<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-45	BRGWC-47
2/18/2025				<0.0005
2/19/2025	0.000201 (J)	0.001	<0.0005	
8/26/2025	<0.0005	0.000999	<0.0005	<0.0005
2/19/2026	<0.0005	0.000917	<0.0005	<0.0005
Mean	0.0002822	0.000966	0.0004663	0.0004287
Std. Dev.	0.0001856	0.000219	0.000119	0.0001667
Upper Lim.	0.0005	0.001078	0.0005	0.0005
Lower Lim.	0.00012	0.0008542	7.9E-05	6E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-63I
2/4/2022	<0.0005
8/25/2022	<0.0005
1/30/2023	<0.0005
8/23/2023	<0.0005
2/1/2024	0.000286 (J)
8/29/2024	<0.0005
2/19/2025	<0.0005
8/27/2025	<0.0005
2/18/2026	<0.0005
Mean	0.0004762
Std. Dev.	7.133E-05
Upper Lim.	0.0005
Lower Lim.	0.000286

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-30I	BRGWC-32S	BRGWC-45
9/6/2016		<0.001		
9/8/2016	7E-05 (J)		<0.001	
11/18/2016	9E-05 (J)			
11/21/2016		8E-05 (J)	8E-05 (J)	
2/21/2017	<0.001			
2/22/2017		<0.001	0.0001 (J)	
6/13/2017	<0.001			
6/14/2017		<0.001	<0.001	
9/27/2017	<0.001	<0.001	<0.001	
2/14/2018	<0.001	<0.001	<0.001	
3/6/2018				<0.001
5/1/2018				<0.001
6/27/2018	<0.001		0.00011 (J)	
6/28/2018		<0.001		<0.001
7/31/2018				<0.001
8/23/2018				<0.001
9/19/2018				<0.001
10/29/2018				9.8E-05 (J)
11/28/2018				<0.001
12/18/2018		<0.001		
12/19/2018			0.00012 (J)	
12/20/2018	<0.001			0.00029 (J)
8/27/2019		<0.001	<0.001	
8/28/2019	<0.001			<0.001
10/17/2019	<0.001	<0.001	<0.001	<0.001
12/3/2019				0.00011 (J)
12/4/2019	<0.001	<0.001	<0.001	
3/4/2020	<0.001			
3/5/2020		<0.001	<0.001	<0.001
8/19/2020	<0.001	<0.001	<0.001	
8/20/2020				0.00014 (J)
9/16/2020	<0.001	<0.001	<0.001	<0.001
3/2/2021				0.0002 (J)
3/3/2021	<0.001	<0.001		
3/4/2021			<0.001	
9/23/2021				<0.001
9/28/2021	<0.001	<0.001	<0.001	
2/2/2022		0.00014 (J)	<0.001	<0.001
2/4/2022	<0.001			
8/24/2022		<0.001		
8/25/2022	<0.001		<0.001	<0.001
1/24/2023			<0.001	
1/25/2023	<0.001			<0.001
1/26/2023		<0.001		
8/22/2023		<0.001	<0.001	
8/24/2023	<0.001			<0.001
1/30/2024		<0.001	<0.001	
1/31/2024	<0.001			
2/1/2024				<0.001
8/27/2024	<0.001			
8/28/2024		<0.001	<0.001	
8/29/2024				<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-30I	BRGWC-32S	BRGWC-45
2/19/2025	<0.001	<0.001	<0.001	<0.001
8/26/2025	<0.001		<0.001	<0.001
8/27/2025		<0.001		
2/19/2026	<0.001	<0.001	<0.001	<0.001
Mean	0.0009264	0.0009288	0.0008564	0.0008399
Std. Dev.	0.0002548	0.0002466	0.0003359	0.000336
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	9E-05	0.00014	0.00012	0.00029

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-47	PZ-63I
3/6/2018	<0.001	
5/1/2018	<0.001	
6/27/2018	0.00014 (J)	
8/1/2018	0.00011 (J)	
8/23/2018	0.00018 (J)	
9/19/2018	0.00015 (J)	
10/29/2018	0.00019 (J)	
11/28/2018	0.00022 (J)	
12/19/2018	<0.001	
8/28/2019	0.00017 (J)	
10/16/2019	0.00018 (J)	
3/4/2020	0.00024 (J)	
8/20/2020	<0.001	
9/16/2020	<0.001	
3/2/2021	<0.001	
9/23/2021	<0.001	
2/2/2022	0.00015 (J)	
2/4/2022		<0.001
8/23/2022	<0.001	
8/25/2022		<0.001
1/26/2023	<0.001	
1/30/2023		<0.001
8/23/2023		<0.001
8/24/2023	<0.001	
1/30/2024	<0.001	
2/1/2024		<0.001
8/28/2024	<0.001	
8/29/2024		<0.001
2/18/2025	<0.001	
2/19/2025		<0.001
8/26/2025	<0.001	
8/27/2025		<0.001
2/18/2026		0.000351 (J)
2/19/2026	<0.001	
Mean	0.0006692	0.0009279
Std. Dev.	0.0004142	0.0002163
Upper Lim.	0.001	0.001
Lower Lim.	0.00018	0.000351

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				<0.01
9/8/2016	<0.01	0.001 (J)	<0.01	
11/17/2016	<0.01			
11/18/2016		<0.01		
11/21/2016			<0.01	<0.01
2/21/2017	<0.01	<0.01		
2/22/2017			<0.01	<0.01
6/13/2017	<0.01	<0.01		
6/14/2017			<0.01	<0.01
9/27/2017	<0.01	<0.01	<0.01	<0.01
2/14/2018	<0.01	<0.01	<0.01	<0.01
6/26/2018	<0.01			
6/27/2018		<0.01	<0.01	
6/28/2018				<0.01
12/18/2018	<0.01		<0.01	<0.01
12/20/2018		0.003 (J)		
8/27/2019	0.0016 (J)			0.0051 (J)
8/28/2019		<0.01	<0.01	
10/15/2019	0.00098 (J)			
10/16/2019			<0.01	
12/4/2019		<0.01		<0.01
3/4/2020	<0.01	<0.01	0.02	
3/5/2020				<0.01
8/19/2020	<0.01	<0.01	<0.01	<0.01
9/15/2020	<0.01		<0.01	
9/16/2020		<0.01		0.014
3/2/2021	<0.01			
3/3/2021		<0.01	<0.01	<0.01
9/28/2021	<0.01	<0.01	<0.01	<0.01
2/2/2022	<0.01			<0.01
2/3/2022			<0.01	
2/4/2022		<0.01		
8/23/2022	<0.01			
8/24/2022			<0.01	<0.01
8/25/2022		<0.01		
1/25/2023		<0.01		
1/26/2023	<0.01		<0.01	<0.01
8/22/2023				<0.01
8/24/2023	<0.01	<0.01	<0.01	
1/30/2024				<0.01
1/31/2024	<0.01	<0.01	<0.01	
8/27/2024		<0.01	<0.01	
8/28/2024				<0.01
8/29/2024	<0.01			
2/19/2025	<0.01	<0.01	<0.01	<0.01
8/26/2025		<0.01	<0.01	
8/27/2025				<0.01
8/28/2025	<0.01			
2/19/2026	<0.01	<0.01	<0.01	<0.01
Mean	0.009274	0.009333	0.01042	0.009962
Std. Dev.	0.002461	0.002278	0.002041	0.001318
Upper Lim.	0.01	0.01	0.02	0.014

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Lower Lim.	0.0016	0.003	0.01	0.0051

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-45	BRGWC-47	BRGWC-52I
9/8/2016	<0.01			
11/21/2016	<0.01			
2/22/2017	0.0012 (J)			
6/14/2017	0.0009 (J)			
9/27/2017	0.0011 (J)			
2/14/2018	<0.01			
3/6/2018		<0.01	<0.01	
5/1/2018		<0.01	<0.01	
6/27/2018	<0.01		<0.01	
6/28/2018		<0.01		
7/31/2018		<0.01		
8/1/2018			<0.01	
8/10/2018				0.0017 (J)
8/23/2018		<0.01	<0.01	<0.01
9/19/2018		<0.01	<0.01	<0.01
10/29/2018		<0.01	<0.01	<0.01
11/28/2018		<0.01	<0.01	<0.01
12/19/2018	<0.01		0.0018 (J)	
12/20/2018		<0.01		<0.01
1/17/2019				<0.01
2/13/2019				<0.01
8/27/2019	0.0019 (J)			
8/28/2019		<0.01	0.00092 (J)	
8/29/2019				<0.01
10/16/2019			<0.01	<0.01
12/3/2019		<0.01		
12/4/2019	0.0014 (J)			
3/4/2020			0.00078 (J)	<0.01
3/5/2020	0.0014 (J)	0.00053 (J)		
8/19/2020	0.0021 (J)			
8/20/2020		0.001 (J)	0.00064 (J)	<0.01
9/16/2020	0.0025 (J)	0.0014 (J)	<0.01	
9/17/2020				<0.01
3/2/2021		<0.01	<0.01	
3/4/2021	0.002 (J)			<0.01
9/23/2021		<0.01	<0.01	
9/28/2021	0.0021 (J)			<0.01
2/2/2022	0.0021 (J)	<0.01	<0.01	<0.01
8/23/2022			<0.01	
8/25/2022	<0.01	<0.01		<0.01
1/24/2023	<0.01			
1/25/2023		<0.01		<0.01
1/26/2023			<0.01	
8/22/2023	<0.01			
8/24/2023		<0.01	<0.01	<0.01
1/30/2024	<0.01		<0.01	
2/1/2024		<0.01		<0.01
8/28/2024	<0.01		<0.01	<0.01
8/29/2024		<0.01		
2/18/2025			<0.01	
2/19/2025	<0.01	<0.01		<0.01
8/26/2025	<0.01	<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-45	BRGWC-47	BRGWC-52I
8/27/2025				<0.01
2/19/2026	<0.01	<0.01	<0.01	<0.01
Mean	0.006196	0.008917	0.008566	0.009654
Std. Dev.	0.004238	0.002995	0.003359	0.001694
Upper Lim.	0.01	0.01	0.01	0.01
Lower Lim.	0.0019	0.0014	0.0018	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				0.0006 (J)
9/8/2016	0.0073 (J)	0.0149	0.0122	
11/17/2016	0.0086 (J)			
11/18/2016		0.0131		
11/21/2016			0.0122	<0.04
2/21/2017	0.0079 (J)	0.0099 (J)		
2/22/2017			0.0136	0.0016 (J)
6/13/2017	0.0083 (J)	0.0094 (J)		
6/14/2017			0.0113	0.0015 (J)
9/27/2017	0.0087 (J)	0.0095 (J)	0.0094 (J)	0.0007 (J)
2/14/2018	<0.01	0.0112	<0.01	<0.04
6/26/2018	0.006 (J)			
6/27/2018		0.0093 (J)	0.0069 (J)	
6/28/2018				0.00078 (J)
12/18/2018	0.0055 (J)		0.0067 (J)	0.0011 (J)
12/20/2018		0.0081 (J)		
8/27/2019	0.0042 (J)			0.0014 (J)
8/28/2019		0.01	0.0061 (J)	
10/15/2019	0.0043 (J)			
10/16/2019			0.0058	
10/17/2019		0.009 (J)		<0.04
12/4/2019		0.0086		0.0012 (J)
3/4/2020	0.0039 (J)	0.008	0.007	
3/5/2020				0.0011 (J)
8/19/2020	0.0039 (J)	0.0078	0.0065	0.0008 (J)
9/15/2020	0.0035 (J)		0.0064	
9/16/2020		0.008		0.0008 (J)
3/2/2021	0.003 (J)			
3/3/2021		0.0062	0.0095	0.0015 (J)
9/28/2021	0.0029 (J)	0.0047 (J)	0.0069	0.001 (J)
2/2/2022	0.0027 (J)			0.0012 (J)
2/3/2022			0.0077	
2/4/2022		0.0076		
8/23/2022	0.00342			
8/24/2022			0.0066	0.00163
8/25/2022		0.0079		
1/25/2023		0.00711		
1/26/2023	0.0032		0.00823	0.00158
8/22/2023				0.00183
8/24/2023	0.00343	0.00601	0.00724	
1/30/2024				0.00179
1/31/2024	0.00254	0.00392	0.00874	
8/27/2024		0.00566	0.00574	
8/28/2024				0.00149
8/29/2024	0.00319			
2/19/2025	0.00193	0.00157	0.00698	0.00149
8/26/2025		0.00291	0.00587	
8/27/2025				0.00236
8/28/2025	0.00338			
2/19/2026	0.00236	0.00169	0.00516	0.00234
Mean	0.004548	0.007683	0.007823	0.003592
Std. Dev.	0.002123	0.003192	0.002381	0.006201

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Upper Lim.	0.005396	0.009274	0.008849	0.00179
Lower Lim.	0.003387	0.006092	0.00657	0.001

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/8/2016	0.0025 (J)			
11/21/2016	0.001 (J)			
2/22/2017	<0.001			
6/14/2017	<0.001			
9/27/2017	<0.001			
2/14/2018	<0.001			
3/6/2018		<0.001	0.0162	<0.001
5/1/2018		<0.001	0.015	<0.001
6/27/2018	<0.001			0.0076 (J)
6/28/2018			0.01	
7/31/2018			0.0098 (J)	
8/1/2018				0.004 (J)
8/23/2018			0.0093 (J)	0.0016 (J)
9/19/2018			0.0084 (J)	0.0018 (J)
10/29/2018			0.0064 (J)	0.0014 (J)
11/28/2018			0.0071 (J)	0.0016 (J)
12/19/2018	<0.001			0.0014 (J)
12/20/2018			0.069	
8/27/2019	<0.001			
8/28/2019			0.011	0.00037 (J)
10/16/2019				0.00032 (J)
10/17/2019	<0.001		0.0096 (J)	
12/3/2019			0.0076	
12/4/2019	<0.001			
3/4/2020				0.0011 (J)
3/5/2020	<0.001		0.0091	
8/19/2020	<0.001			
8/20/2020			0.022	0.00043 (J)
9/16/2020	<0.001		0.0049 (J)	0.00053 (J)
3/2/2021			0.0057	0.0005 (J)
3/4/2021	<0.001			
9/23/2021			0.0049 (J)	<0.001
9/28/2021	<0.001	<0.001		
2/2/2022	<0.001	<0.001	0.0054	<0.001
8/23/2022				<0.001
8/25/2022	<0.001	<0.001	0.00357	
1/24/2023	<0.001			
1/25/2023		<0.001	0.00258	
1/26/2023				0.000376 (J)
8/22/2023	<0.001			
8/23/2023		<0.001		
8/24/2023			0.00221	<0.001
1/30/2024	<0.001	0.000408 (J)		<0.001
2/1/2024			0.00181	
8/27/2024		<0.001		
8/28/2024	<0.001			<0.001
8/29/2024			0.00203	
2/18/2025				<0.001
2/19/2025	<0.001	<0.001	0.000823 (J)	
8/26/2025	<0.001		0.00193	<0.001
8/27/2025		<0.001		
2/19/2026	<0.001	<0.001	0.00249	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
Mean	0.00106	0.0009507	0.009571	0.001361
Std. Dev.	0.0003	0.0001709	0.01312	0.001487
Upper Lim.	0.0025	0.001	0.009528	0.0014
Lower Lim.	0.001	0.000408	0.003832	0.00053

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I
8/10/2018	0.0043 (J)			
8/23/2018	0.0026 (J)			
9/19/2018	0.0028 (J)			
10/29/2018	0.0015 (J)			
11/28/2018	0.0012 (J)			
12/20/2018	<0.001			
1/17/2019	<0.001			
2/13/2019	<0.001			
8/29/2019	0.00063 (J)			
10/16/2019	<0.001			
3/4/2020	<0.001			
8/20/2020	<0.001			
9/17/2020	0.00046 (J)			
3/4/2021	<0.001			
9/28/2021	<0.001			
2/2/2022	<0.001			
2/4/2022		0.019		
8/25/2022	<0.001	0.0232		
1/25/2023	<0.001			
1/30/2023		0.028		
2/1/2023			0.000825 (J)	
6/6/2023				0.00258
8/23/2023		0.0309	0.00106	
8/24/2023	0.000317 (J)			0.00059 (J)
2/1/2024	0.00042 (J)	0.0299	0.000852 (J)	0.000829 (J)
8/27/2024				<0.001
8/28/2024	<0.001			
8/29/2024		0.0335	0.000526 (J)	
2/18/2025				<0.001
2/19/2025	<0.001	0.0402	0.000454 (J)	
8/27/2025	<0.001	0.0408	0.0006 (J)	<0.001
2/18/2026		0.0433		
2/19/2026	<0.001			<0.001
2/24/2026			<0.001	
Mean	0.001218	0.03209	0.0006881	0.001143
Std. Dev.	0.0008616	0.008236	0.0002266	0.0006521
Upper Lim.	0.0012	0.04004	0.0009573	0.00258
Lower Lim.	0.00063	0.02414	0.000419	0.00059

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-75I
8/24/2023	0.00105
2/1/2024	0.000519 (J)
8/27/2024	<0.001
2/18/2025	<0.001
8/27/2025	<0.001
2/19/2026	<0.001
Mean	0.0009282
Std. Dev.	0.0002014
Upper Lim.	0.00105
Lower Lim.	0.000519

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				1.01 (U)
9/8/2016	0.471	1.74	0.54	
11/17/2016	1.2 (U)			
11/18/2016		0.571 (U)		
11/21/2016			1.59	0.201 (U)
2/21/2017	1.31	1.28		
2/22/2017			1.64	0.57 (U)
6/13/2017	0.738 (U)	0.521 (U)		
6/14/2017			1.32	0.726 (U)
9/27/2017	0.583 (U)	0.595 (U)	1.7	0.884 (U)
2/14/2018	1.41	1.18 (U)	1.89	1.14 (U)
6/26/2018	0.968 (U)			
6/27/2018		1.3 (U)	1.66	
6/28/2018				1.4
12/18/2018	1.13 (U)		0.759 (U)	0.661 (U)
12/20/2018		0.527 (U)		
8/27/2019	0.91 (U)			1.35
8/28/2019		0.643 (U)	1.76	
10/15/2019	1.06 (U)			
10/16/2019			1.69 (U)	
10/17/2019		1.07 (U)		1.25 (U)
3/4/2020	1.34	1.18	1.23	
3/5/2020				1.35
8/19/2020	0.467 (U)	0.684 (U)	0.876 (U)	1 (U)
9/15/2020	0.205 (U)		1.23 (U)	
9/16/2020		0.175 (U)		0.43 (U)
3/2/2021	0.161 (U)			
3/3/2021		0.829 (U)	1.31 (U)	0.415 (U)
9/28/2021	4.44	3.58	1.49	0.749 (U)
2/2/2022	0.64 (U)			1.21 (U)
2/3/2022			0.798 (U)	
2/4/2022		0.335 (U)		
8/23/2022	1.9 (U)			
8/24/2022			1.97	3.26
8/25/2022		1.79 (U)		
1/25/2023		1.53 (U)		
1/26/2023	3.24		2.27 (U)	2.73 (U)
8/22/2023				2.71
8/24/2023	1.21 (U)	2.23	3.02	
1/30/2024				4.11
1/31/2024	3.78	1.49 (U)	3.01	
8/27/2024		2.41	2.39	
8/28/2024				3.82
8/29/2024	6.24			
2/19/2025	2.94	1.44 (U)	2.67	1.09 (U)
8/26/2025		3.96	5.92	
8/27/2025				5.84
8/28/2025	3.62			
2/19/2026	0.661 (U)	2.8	3.14	4.12
Mean	1.693	1.411	1.911	1.751
Std. Dev.	1.544	0.9872	1.116	1.483
Upper Lim.	2.145	1.915	2.314	2.21

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Lower Lim.	0.8322	0.9071	1.326	0.9201

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/8/2016	0.816			
11/21/2016	0.0569 (U)			
2/22/2017	1.07 (U)			
6/14/2017	0.459 (U)			
9/27/2017	0.807 (U)			
2/14/2018	1.67			
3/6/2018		0.577 (U)	1.25 (U)	1.75
5/1/2018		0.27 (U)	0.423 (U)	2.09
6/27/2018	1.34			0.878 (U)
6/28/2018			0.283 (U)	
7/31/2018			0.243 (U)	
8/1/2018				0.638 (U)
8/23/2018			1.1 (U)	1.14 (U)
9/19/2018			0.369 (U)	1.45
10/29/2018			0.401 (U)	1.09 (U)
11/28/2018			0.901 (U)	1.67
12/19/2018	1.21 (U)			1.3
12/20/2018			0.657 (U)	
8/27/2019	0.86 (U)			
8/28/2019			0.528 (U)	0.804 (U)
10/16/2019				1.28 (U)
10/17/2019	1.2 (U)		0.977 (U)	
3/4/2020				0.862 (U)
3/5/2020	0.483 (U)		0.921 (U)	
8/19/2020	0.482 (U)			
8/20/2020			0.501 (U)	1.64
9/16/2020	0.195 (U)		0.254 (U)	0.51 (U)
3/2/2021			0.107 (U)	0.571 (U)
3/4/2021	0.32 (U)			
9/23/2021			0.619 (U)	0.527 (U)
9/28/2021	0.947 (U)	0.526 (U)		
2/2/2022	0.0265 (U)	0.244 (U)	0.219 (U)	0.145 (U)
8/23/2022				3.74
8/25/2022	1.32 (U)	1.6 (U)	1.65 (U)	
1/24/2023	2.25			
1/25/2023		2.49 (U)	1.29 (U)	
1/26/2023				3.28
8/22/2023	2.33			
8/23/2023		0.477 (U)		
8/24/2023			0.607 (U)	2.39
1/30/2024	0.572 (U)	2.87		2.63
2/1/2024			1.22 (U)	
8/27/2024		2.84		
8/28/2024	0.737 (U)			1.32 (U)
8/29/2024			1.71	
2/18/2025				2.18 (U)
2/19/2025	2.61	0.947 (U)	2.94	
8/26/2025	2.77		3.39	4.34
8/27/2025		4.96		
2/19/2026	2.96	3.1	1.98	1.89
Mean	1.145	1.742	0.9816	1.605
Std. Dev.	0.8665	1.5	0.8318	1.045

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
Upper Lim.	1.588	2.918	1.228	2.125
Lower Lim.	0.7033	0.5651	0.5222	1.084

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I
8/10/2018	1.91			
8/23/2018	1.86			
9/19/2018	1.64			
10/29/2018	1.36 (U)			
11/28/2018	1.07 (U)			
12/20/2018	0.892 (U)			
1/17/2019	0.411			
2/13/2019	1.68			
8/29/2019	1.44			
10/16/2019	2.13			
3/4/2020	2.3			
8/20/2020	2.97			
9/17/2020	2.04			
3/4/2021	2.04			
9/28/2021	3.28			
2/2/2022	2.33			
2/4/2022		0.768		
8/25/2022	4.97	1.52 (U)		
1/25/2023	7.94			
1/30/2023		6.03		
2/1/2023			4.16	
6/6/2023				7.8
8/23/2023		2.31	1.62	
8/24/2023	6.36			0.811 (U)
2/1/2024	4.51	1.52 (U)	2.16	0.912 (U)
8/27/2024				0.997 (U)
8/28/2024	14.7			
8/29/2024		4.48	5.43	
2/18/2025				0.399 (U)
2/19/2025	4.91	1.73	1.79 (U)	
8/27/2025	9.43	3.38	2.12	1.68 (U)
2/18/2026		2.91		
2/19/2026	7.93			2.72
2/24/2026			7.61	
Mean	3.754	2.739	3.556	2.188
Std. Dev.	3.388	1.672	2.28	2.588
Upper Lim.	4.743	4.353	6.264	4.603
Lower Lim.	1.936	1.125	0.8475	0.3157

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-75I
8/24/2023	3.11
2/1/2024	2.19
8/27/2024	2.81
2/18/2025	2.59
8/27/2025	1.63 (U)
2/19/2026	2.34
Mean	2.445
Std. Dev.	0.5171
Upper Lim.	3.155
Lower Lim.	1.735

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				0.43
9/8/2016	0.14 (J)	0.31	0.2 (J)	
11/17/2016	0.27 (J)			
11/18/2016		0.19 (J)		
11/21/2016			0.37	0.24 (J)
2/21/2017	0.6	0.35		
2/22/2017			0.37	0.2 (J)
6/13/2017	0.19 (J)	0.19 (J)		
6/14/2017			0.38	0.15 (J)
9/27/2017	0.5	0.4	0.4	0.41
2/14/2018	<0.3	<0.3	<0.3	<0.3
6/26/2018	0.15 (J)			
6/27/2018		0.26 (J)	0.085 (J)	
6/28/2018				0.93
12/18/2018	0.29 (J)		0.26 (J)	0.54
12/20/2018		0.26 (J)		
3/19/2019		0.2 (J)		
3/20/2019	0.18 (J)		0.091 (J)	0.31
8/27/2019	0.15 (J)			0.12 (J)
8/28/2019		0.074 (J)	0.055 (J)	
10/15/2019	0.16 (J)			
10/16/2019			0.11 (J)	
12/4/2019		0.18 (J)		0.26 (J)
3/4/2020	0.07 (J)	<0.3	<0.3	
3/5/2020				0.051 (J)
8/19/2020	0.17	0.19	0.12	0.14
9/15/2020	0.15		0.057 (J)	
9/16/2020		0.15		0.13
3/2/2021	0.15			
3/3/2021		0.24	0.13	0.13
9/28/2021	0.15	0.16	0.081 (J)	0.11
2/2/2022	0.15			0.1
2/3/2022			0.11	
2/4/2022		0.14		
8/23/2022	0.186			
8/24/2022			0.103	0.318
8/25/2022		0.234		
1/25/2023		0.152		
1/26/2023	0.202		0.0935 (J)	0.167
8/22/2023				0.116
8/24/2023	0.25	0.302	0.0849 (J)	
1/30/2024				0.169
1/31/2024	0.221	0.222	0.0968 (J)	
5/8/2024		0.342		
8/27/2024		0.382	0.0849 (J)	
8/28/2024				0.336 (J)
8/29/2024	0.248			
2/19/2025	0.281	0.0997 (J)	0.129	0.194
8/26/2025		0.186	0.109	
8/27/2025				0.149
8/28/2025	0.247			
2/19/2026	0.261	0.147	0.0975 (J)	0.15

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Mean	0.2206	0.2177	0.1567	0.24
Std. Dev.	0.1139	0.08607	0.1084	0.1865
Upper Lim.	0.2484	0.2597	0.2	0.2851
Lower Lim.	0.1612	0.1758	0.091	0.1468

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/8/2016	0.15 (J)			
11/21/2016	0.04 (J)			
2/22/2017	0.08 (J)			
6/14/2017	0.09 (J)			
9/27/2017	<0.1			
2/14/2018	<0.1			
3/6/2018		<0.1	0.94	1.1
5/1/2018		<0.1	<0.1	0.89
6/27/2018	<0.1			0.27 (J)
6/28/2018			0.69	
7/31/2018			<0.1	
8/1/2018				0.48
8/23/2018			<0.1	0.34
9/19/2018			<0.1	0.23 (J)
10/29/2018			<0.1	<0.2
11/28/2018			<0.1	0.063 (J)
12/19/2018	0.23 (J)			0.28 (J)
12/20/2018			0.12 (J)	
3/19/2019				<0.2
3/20/2019	<0.1		0.066 (J)	
8/27/2019	<0.1			
8/28/2019			<0.1	<0.2
10/16/2019				0.076 (J)
12/3/2019			0.19 (J)	
12/4/2019	0.11 (J)			
3/4/2020				<0.2
3/5/2020	<0.1		<0.1	
8/19/2020	<0.1			
8/20/2020			<0.1	<0.2
9/16/2020	<0.1		0.052 (J)	<0.2
3/2/2021			0.067 (J)	<0.2
3/4/2021	<0.1			
9/23/2021			0.06 (J)	<0.2
9/28/2021	<0.1	0.08 (J)		
2/2/2022	<0.1	0.065 (J)	<0.1	<0.2
8/23/2022				<0.2
8/25/2022	0.138	0.184	0.166	
1/24/2023	0.082 (J)			
1/25/2023		0.13	0.163	
1/26/2023				0.117
8/22/2023	0.0477 (J)			
8/23/2023		0.195		
8/24/2023			0.185	0.243
1/30/2024	0.207	0.242		0.11
2/1/2024			0.126	
5/8/2024	0.0853 (J)			
8/27/2024		0.193		
8/28/2024	0.0511 (J)			<0.2
8/29/2024			0.078 (J)	
2/18/2025				0.189
2/19/2025	0.0774 (J)	0.127	0.142	
8/26/2025	0.0564 (J)		0.0663 (J)	0.0971 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
8/27/2025		0.107		
2/19/2026	<0.1	<0.1	<0.1	0.0603 (J)
Mean	0.1017	0.1353	0.162	0.2594
Std. Dev.	0.04219	0.05501	0.1988	0.2354
Upper Lim.	0.09681	0.1742	0.142	0.243
Lower Lim.	0.06225	0.08253	0.078	0.189

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I
8/10/2018	1.6 (O)			
8/23/2018	0.32			
9/19/2018	0.22 (J)			
10/29/2018	0.14 (J)			
11/28/2018	0.24 (J)			
12/20/2018	0.3			
1/17/2019	0.23 (J)			
2/13/2019	<0.1			
3/20/2019	0.14 (J)			
8/29/2019	0.087 (J)			
10/16/2019	0.22 (J)			
3/4/2020	0.1 (J)			
8/20/2020	0.23			
9/17/2020	0.074 (J)			
3/4/2021	0.28			
9/28/2021	0.12			
2/2/2022	0.098 (J)			
2/4/2022		0.14		
8/25/2022	0.157	0.235		
1/25/2023	0.169			
1/30/2023		0.23		
2/1/2023			0.166	
6/6/2023				0.0891 (J)
8/23/2023		0.252	0.218	
8/24/2023	0.188 (J)			0.157
2/1/2024	0.215	0.289	0.211	0.232
8/27/2024				0.159
8/28/2024	0.0748 (J)			
8/29/2024		0.139	0.126	
2/18/2025				0.0877 (J)
2/19/2025	0.152	0.194	0.135	
8/27/2025	0.0985 (J)	0.141	0.114	0.0901 (J)
2/18/2026		0.167		
2/19/2026	<0.1			0.109
2/24/2026			0.141	
Mean	0.1647	0.1986	0.1587	0.132
Std. Dev.	0.07919	0.05552	0.04133	0.05392
Upper Lim.	0.2051	0.2522	0.2078	0.1947
Lower Lim.	0.1243	0.145	0.1096	0.07481

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-75I
7/5/2023	0.157
8/24/2023	0.14
2/1/2024	0.0996 (J)
8/27/2024	0.155
2/18/2025	0.0816 (J)
8/27/2025	0.066 (J)
2/19/2026	<0.1
Mean	0.107
Std. Dev.	0.04382
Upper Lim.	0.1591
Lower Lim.	0.05497

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				<0.002
9/8/2016	<0.002	<0.002	0.0004 (J)	
11/17/2016	<0.002			
11/18/2016		<0.002		
11/21/2016			0.0006 (J)	<0.002
2/21/2017	<0.002	<0.002		
2/22/2017			0.0005 (J)	<0.002
6/13/2017	<0.002	<0.002		
6/14/2017			0.0004 (J)	<0.002
9/27/2017	<0.002	<0.002	0.0006 (J)	<0.002
2/14/2018	<0.002	<0.002	<0.005 (O)	<0.002
6/26/2018	<0.002			
6/27/2018		<0.002	0.00032 (J)	
6/28/2018				<0.002
12/18/2018	<0.002		0.00038 (J)	<0.002
12/20/2018		<0.002		
8/27/2019	0.00011 (J)			<0.002
8/28/2019		<0.002	0.00027 (J)	
10/15/2019	<0.002			
10/16/2019			0.00027 (J)	
12/4/2019		6.3E-05 (J)		<0.002
3/4/2020	<0.002	<0.002	0.0003 (J)	
3/5/2020				<0.002
8/19/2020	<0.002	<0.002	0.00025 (J)	<0.002
9/15/2020	<0.002		0.00029 (J)	
9/16/2020		<0.002		0.00011 (J)
3/2/2021	<0.002			
3/3/2021		<0.002	0.00033 (J)	<0.002
9/28/2021	<0.002	<0.002	<0.002	<0.002
2/2/2022	<0.002			<0.002
2/3/2022			<0.002	
2/4/2022		<0.002		
8/23/2022	<0.002			
8/24/2022			<0.002	<0.002
8/25/2022		<0.002		
1/25/2023		<0.002		
1/26/2023	<0.002		<0.002	<0.002
8/22/2023				<0.002
8/24/2023	<0.002	<0.002	<0.002	
1/30/2024				<0.002
1/31/2024	<0.002	<0.002	<0.002	
8/27/2024		<0.002	<0.002	
8/28/2024				<0.002
8/29/2024	<0.002			
2/19/2025	<0.002	<0.002	<0.002	<0.002
8/26/2025		<0.002	<0.002	
8/27/2025				<0.002
8/28/2025	<0.002			
2/19/2026	<0.002	<0.002	<0.002	<0.002
Mean	0.001921	0.001919	0.001083	0.001921
Std. Dev.	0.0003858	0.0003954	0.0008271	0.0003858
Upper Lim.	0.002	0.002	0.002	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Lower Lim.	0.00011	6.3E-05	0.00032	0.00011

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-45	BRGWC-47	BRGWC-52I	PZ-68D
3/6/2018	<0.002	<0.002		
5/1/2018	<0.002	<0.002		
6/27/2018		<0.002		
6/28/2018	<0.002			
7/31/2018	<0.002			
8/1/2018		<0.002		
8/10/2018			<0.002	
8/23/2018	<0.002	<0.002	<0.002	
9/19/2018	<0.002	<0.002	<0.002	
10/29/2018	<0.002	<0.002	<0.002	
11/28/2018	<0.002	<0.002	<0.002	
12/19/2018		<0.002		
12/20/2018	<0.002		<0.002	
1/17/2019			<0.002	
2/13/2019			<0.002	
8/28/2019	<0.002	<0.002		
8/29/2019			<0.002	
10/16/2019		<0.002	<0.002	
12/3/2019	<0.002			
3/4/2020		0.00012 (J)	<0.002	
3/5/2020	0.00026 (J)			
8/20/2020	0.00021 (J)	4.8E-05 (J)	<0.002	
9/16/2020	5.3E-05 (J)	6.6E-05 (J)		
9/17/2020			<0.002	
3/2/2021	<0.002	<0.002		
3/4/2021			4.2E-05 (J)	
9/23/2021	<0.002	<0.002		
9/28/2021			<0.002	
2/2/2022	<0.002	<0.002	<0.002	
8/23/2022		<0.002		
8/25/2022	<0.002		<0.002	
1/25/2023	0.000595 (J)		<0.002	
1/26/2023		<0.002		
2/1/2023				<0.002
8/23/2023				<0.002
8/24/2023	<0.002	<0.002	<0.002	
1/30/2024		<0.002		
2/1/2024	<0.002		<0.002	0.000504 (J)
8/28/2024		<0.002	<0.002	
8/29/2024	<0.002			<0.002
2/18/2025		<0.002		
2/19/2025	<0.002		<0.002	<0.002
8/26/2025	<0.002	<0.002		
8/27/2025			<0.002	<0.002
2/19/2026	<0.002	<0.002	<0.002	
2/24/2026				<0.002
Mean	0.001725	0.001769	0.001918	0.001786
Std. Dev.	0.0006488	0.0006375	0.0003997	0.0005654
Upper Lim.	0.002	0.002	0.002	0.002
Lower Lim.	0.000595	0.00012	4.2E-05	0.000504

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-27I	BRGWC-29I	BRGWC-30I	BRGWC-32S
9/6/2016			0.0117 (J)	
9/8/2016	0.0021 (J)	0.004 (J)		<0.05
11/18/2016	<0.01			
11/21/2016		0.0039 (J)	0.0108 (J)	<0.05
2/21/2017	<0.01			
2/22/2017		0.0043 (J)	0.0103 (J)	0.0023 (J)
6/13/2017	0.0017 (J)			
6/14/2017		0.0036 (J)	0.0101 (J)	0.0022 (J)
9/27/2017	0.0016 (J)	0.0038 (J)	0.0116 (J)	0.0021 (J)
2/14/2018	0.0018 (J)	0.0034 (J)	0.0115 (J)	0.0023 (J)
6/27/2018	0.0016 (J)	0.0034 (J)		0.0023 (J)
6/28/2018			0.013 (J)	
12/18/2018		0.0032 (J)	0.014 (J)	
12/19/2018				0.0018 (J)
12/20/2018	0.0015 (J)			
8/27/2019			0.016 (J)	0.0022 (J)
8/28/2019	0.0016 (J)	0.0033 (J)		
10/16/2019		0.0029 (J)		
12/4/2019	0.0014 (J)		0.013	0.0022 (J)
3/4/2020	0.0014 (J)	0.0029 (J)		
3/5/2020			0.016 (J)	0.0022 (J)
8/19/2020	0.0014 (J)	0.0029 (J)	0.018 (J)	0.002 (J)
9/15/2020		0.003 (J)		
9/16/2020	0.0014 (J)		0.016 (J)	0.0022 (J)
3/3/2021	0.0012 (J)	0.0032 (J)	0.014 (J)	
3/4/2021				0.002 (J)
9/28/2021	0.0011 (J)	0.0029 (J)	0.023 (J)	0.0021 (J)
2/2/2022			0.021 (J)	0.0035 (J)
2/3/2022		0.0026 (J)		
2/4/2022	0.001 (J)			
8/24/2022		0.00304 (J)	0.0238	
8/25/2022	<0.01			0.0043 (J)
1/24/2023				0.007 (J)
1/25/2023	<0.01			
1/26/2023		0.00331 (J)	0.0279	
8/22/2023			0.0253	0.00392 (J)
8/24/2023	<0.01	0.00349 (J)		
1/30/2024			0.0305	0.00591 (J)
1/31/2024	<0.01	0.00337 (J)		
8/27/2024	<0.01	0.00305 (J)		
8/28/2024			0.0295	0.00514 (J)
2/19/2025	<0.01	<0.01	0.0301	0.00514 (J)
8/26/2025	<0.01	<0.01		0.00383 (J)
8/27/2025			0.0314	
2/19/2026	<0.01	<0.01	0.0384	0.00489 (J)
Mean	0.005033	0.003523	0.01945	0.005064
Std. Dev.	0.004293	0.0006945	0.008313	0.006311
Upper Lim.	0.01	0.003841	0.0237	0.00489
Lower Lim.	0.0014	0.003162	0.01521	0.0022

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-44	BRGWC-45	BRGWC-47	BRGWC-52I
3/6/2018	0.0046 (J)	0.0031 (J)	0.0399 (J)	
5/1/2018	0.0049 (J)	0.0038 (J)	0.044 (J)	
6/27/2018			0.044 (J)	
6/28/2018		0.0028 (J)		
7/31/2018		<0.25 (O)		
8/1/2018			0.039 (J)	
8/10/2018				0.0087 (J)
8/23/2018		0.0033 (J)	0.044 (J)	0.0089 (J)
9/19/2018		0.0033 (J)	0.043 (J)	0.005 (J)
10/29/2018		0.003 (J)	0.039 (J)	0.0048 (J)
11/28/2018		0.0035 (J)	0.044 (J)	0.0052 (J)
12/19/2018			0.043 (J)	
12/20/2018		0.003 (J)		0.0042 (J)
1/17/2019				0.0039 (J)
2/13/2019				<0.05
8/28/2019		0.0034 (J)	0.044 (J)	
8/29/2019				0.0052 (J)
10/16/2019			0.038	0.0023 (J)
12/3/2019		0.0033 (J)		
3/4/2020			0.042	0.002 (J)
3/5/2020		0.003 (J)		
8/20/2020		0.0034 (J)	0.044	0.0022 (J)
9/16/2020		0.0036 (J)	0.039	
9/17/2020				0.0058 (J)
3/2/2021		0.0043 (J)	0.044	
3/4/2021				0.003 (J)
9/23/2021		0.0023 (J)	0.042	
9/28/2021	0.0048 (J)			0.0035 (J)
2/2/2022	0.0058 (J)	0.0022 (J)	0.04	0.0041 (J)
8/23/2022			0.0474	
8/25/2022	0.00652 (J)	<0.01		0.0162
1/25/2023	0.00728 (J)	0.00333 (J)		0.0186
1/26/2023			0.0506	
8/23/2023	0.0056 (J)			
8/24/2023		<0.01	0.0532	0.0131
1/30/2024	0.00537 (J)		0.0484	
2/1/2024		<0.01		0.0122
8/27/2024	0.00629 (J)			
8/28/2024			0.0436	0.00997 (J)
8/29/2024		<0.01		
2/18/2025			0.0456	
2/19/2025	0.00581 (J)	<0.01		0.0114
8/26/2025		<0.01	0.0469	
8/27/2025	0.0154			0.0154
2/19/2026	0.00546 (J)	0.00368 (J)	0.0545	0.0148
Mean	0.006486	0.00493	0.04412	0.008561
Std. Dev.	0.002909	0.003021	0.004252	0.006101
Upper Lim.	0.00728	0.0043	0.04624	0.01068
Lower Lim.	0.0048	0.0031	0.042	0.005037

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-63I	PZ-68D	PZ-74I	PZ-75I
2/4/2022	0.007 (J)			
8/25/2022	0.00509 (J)			
1/30/2023	0.0066 (J)			
2/1/2023		0.00899 (J)		
6/6/2023			0.00704 (J)	
8/23/2023	0.00516 (J)	0.00399 (J)		
8/24/2023			0.00711 (J)	0.00579 (J)
2/1/2024	0.00557 (J)	0.00564 (J)	0.00702 (J)	0.00411 (J)
8/27/2024			0.00825 (J)	0.00433 (J)
8/29/2024	0.00651 (J)	0.00633 (J)		
2/18/2025			0.00692 (J)	0.00355 (J)
2/19/2025	0.00669 (J)	<0.01		
8/27/2025	0.00692 (J)	0.00448 (J)	0.00759 (J)	0.00373 (J)
2/18/2026	0.00776 (J)			
2/19/2026			0.00849 (J)	0.00465 (J)
2/24/2026		0.00317 (J)		
Mean	0.006367	0.005371	0.007489	0.00436
Std. Dev.	0.0009048	0.001905	0.0006429	0.0008057
Upper Lim.	0.00724	0.007634	0.00849	0.005467
Lower Lim.	0.005493	0.003109	0.00692	0.003253

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				<0.0002
9/8/2016	<0.0002	<0.0002	<0.0002	
11/17/2016	<0.0002			
11/18/2016		<0.0002		
11/21/2016			<0.0002	<0.0002
2/21/2017	<0.0002	<0.0002		
2/22/2017			<0.0002	<0.0002
6/13/2017	<0.0002	5E-05 (J)		
6/14/2017			7E-05 (J)	7E-05 (J)
9/27/2017	4E-05 (J)	4.7E-05 (J)	4E-05 (J)	4E-05 (J)
2/14/2018	<0.0002	<0.0002	<0.0002	<0.0002
6/26/2018	<0.0002			
6/27/2018		<0.0002	<0.0002	
6/28/2018				<0.0002
12/18/2018	<0.0002		<0.0002	<0.0002
12/20/2018		<0.0002		
8/27/2019	<0.0002			<0.0002
8/28/2019		<0.0002	<0.0002	
8/19/2020	8.3E-05 (J)	<0.0002	9.8E-05 (J)	8.2E-05 (J)
9/15/2020	<0.0002		<0.0002	
9/16/2020		<0.0002		<0.0002
3/2/2021	<0.0002			
3/3/2021		<0.0002	<0.0002	<0.0002
9/28/2021	<0.0002	<0.0002	<0.0002	<0.0002
2/2/2022	<0.0002			<0.0002
2/3/2022			<0.0002	
2/4/2022		<0.0002		
8/23/2022	<0.0002			
8/24/2022			<0.0002	<0.0002
8/25/2022		<0.0002		
1/25/2023		<0.0002		
1/26/2023	<0.0002		<0.0002	<0.0002
8/22/2023				<0.0002
8/24/2023	<0.0002	<0.0002	<0.0002	
1/30/2024				<0.0002
1/31/2024	<0.0002	<0.0002	0.00078	
8/27/2024		<0.0002	<0.0002	
8/28/2024				<0.0002
8/29/2024	<0.0002			
2/19/2025	<0.0002	<0.0002	0.000384	<0.0002
8/26/2025		<0.0002	<0.0002	
8/27/2025				<0.0002
8/28/2025	<0.0002			
2/19/2026	<0.0002	<0.0002	<0.0002	<0.0002
Mean	0.0001874	0.0001862	0.0002169	0.0001815
Std. Dev.	4.129E-05	4.458E-05	0.0001409	4.823E-05
Upper Lim.	0.0002	0.0002	0.000384	0.0002
Lower Lim.	8.3E-05	5E-05	9.8E-05	8.2E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	PZ-74I
9/8/2016	<0.0002	
11/21/2016	<0.0002	
2/22/2017	<0.0002	
6/14/2017	9E-05 (J)	
9/27/2017	0.0001 (J)	
2/14/2018	<0.0002	
6/27/2018	<0.0002	
12/19/2018	<0.0002	
8/27/2019	<0.0002	
8/19/2020	8.2E-05 (J)	
9/16/2020	<0.0002	
3/4/2021	<0.0002	
9/28/2021	<0.0002	
2/2/2022	<0.0002	
8/25/2022	<0.0002	
1/24/2023	<0.0002	
6/6/2023		<0.0002
8/22/2023	<0.0002	
8/24/2023		<0.0002
1/30/2024	<0.0002	
2/1/2024		<0.0002
8/27/2024		<0.0002
8/28/2024	<0.0002	
2/18/2025		0.000121 (J)
2/19/2025	<0.0002	
8/26/2025	<0.0002	
8/27/2025		<0.0002
2/19/2026	<0.0002	<0.0002
Mean	0.0001851	0.0001887
Std. Dev.	3.85E-05	2.986E-05
Upper Lim.	0.0002	0.0002
Lower Lim.	0.0001	0.000121

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-30I	BRGWC-45
9/6/2016			<0.01	
9/8/2016	<0.01	<0.001		
11/17/2016	<0.01			
11/18/2016		<0.001		
11/21/2016			<0.01	
2/21/2017	<0.01	<0.001		
2/22/2017			<0.01	
6/13/2017	<0.01	<0.001		
6/14/2017			<0.01	
9/27/2017	<0.01	<0.001	<0.01	
2/14/2018	<0.01	<0.001	<0.01	
3/6/2018				<0.001
5/1/2018				<0.001
6/26/2018	<0.01			
6/27/2018		<0.001		
6/28/2018			<0.01	<0.001
7/31/2018				<0.001
8/23/2018				<0.001
9/19/2018				<0.001
10/29/2018				<0.001
11/28/2018				<0.001
12/18/2018	<0.01		<0.01	
12/20/2018		<0.001		<0.001
8/27/2019	<0.01		<0.01	
8/28/2019		<0.001		<0.001
10/15/2019	<0.01			
12/3/2019				<0.001
12/4/2019		<0.001	<0.01	
8/19/2020	0.00081 (J)	<0.001	0.00078 (J)	
8/20/2020				0.00076 (J)
9/15/2020	0.0008 (J)			
9/16/2020		<0.001	0.0022 (J)	<0.001
3/2/2021	0.001 (J)			<0.001
3/3/2021		<0.001	<0.01	
9/23/2021				<0.001
9/28/2021	0.00089 (J)	<0.001	0.001 (J)	
2/2/2022	0.0011 (J)		0.0012 (J)	<0.001
2/4/2022		<0.001		
8/23/2022	0.00105			
8/24/2022			0.00141	
8/25/2022		<0.001		0.000424 (J)
1/25/2023		<0.001		0.000545 (J)
1/26/2023	0.00092 (J)		0.0014	
8/22/2023			0.00111	
8/24/2023	0.00141	<0.001		0.000356 (J)
1/30/2024			0.00137	
1/31/2024	0.0014	0.000213 (J)		
2/1/2024				<0.001
8/27/2024		0.000211 (J)		
8/28/2024			0.00123	
8/29/2024	0.00123			0.000207 (J)
2/19/2025	0.00082 (J)	<0.001	0.00128	0.000261 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-30I	BRGWC-45
8/26/2025		0.000512 (J)		<0.001
8/27/2025			0.00119	
8/28/2025	0.00143			
2/19/2026	0.00115	<0.001	0.00108	0.000221 (J)
Mean	0.004957	0.0009103	0.005446	0.0008239
Std. Dev.	0.004526	0.0002426	0.004465	0.0002985
Upper Lim.	0.01	0.001	0.01	0.001
Lower Lim.	0.001	0.000512	0.0012	0.000545

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-47	BRGWC-52I	PZ-63I	PZ-68D
3/6/2018	<0.01			
5/1/2018	<0.01			
6/27/2018	<0.01			
8/1/2018	<0.01			
8/10/2018		0.0032 (J)		
8/23/2018	<0.01	0.005 (J)		
9/19/2018	<0.01	0.0061 (J)		
10/29/2018	<0.01	0.0065 (J)		
11/28/2018	<0.01	0.0027 (J)		
12/19/2018	<0.01			
12/20/2018		<0.01		
1/17/2019		<0.01		
2/13/2019		<0.01		
8/28/2019	<0.01			
8/29/2019		<0.01		
10/16/2019	<0.01	<0.01		
8/20/2020	<0.01	0.0012 (J)		
9/16/2020	<0.01			
9/17/2020		0.0007 (J)		
3/2/2021	<0.01			
3/4/2021		0.001 (J)		
9/23/2021	<0.01			
9/28/2021		<0.01		
2/2/2022	<0.01	<0.01		
2/4/2022			0.00092 (J)	
8/23/2022	0.000296 (J)			
8/25/2022		0.000471 (J)	0.000741 (J)	
1/25/2023		0.000609 (J)		
1/26/2023	0.00027 (J)			
1/30/2023			0.000803 (J)	
2/1/2023				0.0111
8/23/2023			0.000539 (J)	0.00625
8/24/2023	0.000296 (J)	0.000782 (J)		
1/30/2024	0.00028 (J)			
2/1/2024		0.000564 (J)	0.0007 (J)	0.00598
8/28/2024	0.000252 (J)	0.000691 (J)		
8/29/2024			0.000827 (J)	0.00702
2/18/2025	0.000295 (J)			
2/19/2025		0.000826 (J)	0.000765 (J)	0.00612
8/26/2025	0.000245 (J)			
8/27/2025		0.000863 (J)	0.000704 (J)	0.00499
2/18/2026			0.000864 (J)	
2/19/2026	0.000256 (J)	0.000972 (J)		
2/24/2026				0.00618
Mean	0.006758	0.004443	0.0007626	0.006806
Std. Dev.	0.004684	0.004131	0.0001111	0.001985
Upper Lim.	0.01	0.01	0.0008698	0.0111
Lower Lim.	0.000295	0.000782	0.0006553	0.00499

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-74I
6/6/2023	0.00276
8/24/2023	0.000597 (J)
2/1/2024	<0.001
8/27/2024	<0.001
2/18/2025	<0.001
8/27/2025	<0.001
2/19/2026	<0.001
Mean	0.001194
Std. Dev.	0.0007067
Upper Lim.	0.00276
Lower Lim.	0.000597

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
9/6/2016				<0.005
9/8/2016	<0.005	0.0043 (J)	0.0039 (J)	
11/17/2016	<0.005			
11/18/2016		0.0047 (J)		
11/21/2016			0.0058 (J)	<0.005
2/21/2017	<0.005	0.0025 (J)		
2/22/2017			0.005 (J)	<0.005
6/13/2017	<0.005	0.0036 (J)		
6/14/2017			0.0074 (J)	0.0045 (J)
9/27/2017	<0.005	0.004 (J)	0.0068 (J)	0.0034 (J)
2/14/2018	<0.005	<0.005	<0.005	<0.005
6/26/2018	<0.005			
6/27/2018		0.0014 (J)	<0.005	
6/28/2018				<0.005
12/18/2018	<0.005		<0.005	<0.005
12/20/2018		<0.005		
8/27/2019	<0.005			0.0038 (J)
8/28/2019		0.0017 (J)	<0.005	
10/15/2019	<0.005			
10/16/2019			<0.005	
12/4/2019		0.0036 (J)		0.0018 (J)
3/4/2020	<0.005	0.0022 (J)	0.0018 (J)	
3/5/2020				<0.005
8/19/2020	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005		<0.005	
9/16/2020		0.0042 (J)		<0.005
3/2/2021	0.0021 (J)			
3/3/2021		0.0031 (J)	0.0042 (J)	<0.005
9/28/2021	<0.005	<0.005	0.0022 (J)	<0.005
2/2/2022	<0.005			<0.005
2/3/2022			<0.005	
2/4/2022		<0.005		
8/23/2022	<0.005			
8/24/2022			<0.005	<0.005
8/25/2022		<0.005		
1/25/2023		<0.005		
1/26/2023	<0.005		<0.005	<0.005
8/22/2023				<0.005
8/24/2023	<0.005	<0.005	<0.005	
1/30/2024				<0.005
1/31/2024	<0.005	<0.005	0.00229 (J)	
8/27/2024		<0.005	<0.005	
8/28/2024				<0.005
8/29/2024	<0.005			
2/19/2025	0.00217 (J)	0.00309 (J)	0.0045 (J)	0.00316 (J)
8/26/2025		0.00256 (J)	0.00465 (J)	
8/27/2025				<0.005
8/28/2025	<0.005			
2/19/2026	<0.005	<0.005	0.00195 (J)	<0.005
Mean	0.004761	0.003998	0.004604	0.004652
Std. Dev.	0.0008089	0.001201	0.001364	0.000807
Upper Lim.	0.005	0.005	0.005	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-25I	BRGWC-27I	BRGWC-29I	BRGWC-30I
Lower Lim.	0.00217	0.00309	0.0042	0.0045

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
9/8/2016	<0.01			
11/21/2016	<0.01			
2/22/2017	0.0017 (J)			
6/14/2017	<0.01			
9/27/2017	0.0019 (J)			
2/14/2018	<0.01			
3/6/2018		<0.005	<0.005	<0.005
5/1/2018		<0.005	<0.005	<0.005
6/27/2018	0.0017 (J)			<0.005
6/28/2018			<0.005	
7/31/2018			<0.005	
8/1/2018				0.0015 (J)
8/23/2018			<0.005	0.0024 (J)
9/19/2018			<0.005	0.002 (J)
10/29/2018			<0.005	<0.005
11/28/2018			<0.005	<0.005
12/19/2018	0.0059 (J)			<0.005
12/20/2018			<0.005	
8/27/2019	0.057			
8/28/2019			<0.005	<0.005
10/16/2019				0.0017 (J)
12/3/2019			0.0029 (J)	
12/4/2019	0.1			
3/4/2020				<0.005
3/5/2020	0.1		<0.005	
5/12/2020	0.0989			
8/19/2020	0.099			
8/20/2020			<0.005	0.0016 (J)
9/16/2020	0.12		<0.005	0.002 (J)
3/2/2021			<0.005	0.0028 (J)
3/4/2021	0.14			
9/23/2021			<0.005	<0.005
9/28/2021	0.13	<0.005		
2/2/2022	0.21	<0.005	<0.005	<0.005
8/23/2022				<0.005
8/25/2022	0.218	<0.005	<0.005	
1/24/2023	0.198			
1/25/2023		<0.005	<0.005	
1/26/2023				<0.005
5/30/2023	0.189			
8/22/2023	0.21			
8/23/2023		<0.005		
8/24/2023			<0.005	<0.005
1/30/2024	0.17	<0.005		<0.005
2/1/2024			<0.005	
8/27/2024		<0.005		
8/28/2024	0.0945			<0.005
8/29/2024			<0.005	
2/18/2025				<0.005
2/19/2025	0.0782	0.00202 (J)	0.00237 (J)	
8/26/2025	0.0694		<0.005	0.00175 (J)
8/27/2025		<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-32S	BRGWC-44	BRGWC-45	BRGWC-47
2/19/2026	0.0446	<0.005	<0.005	<0.005
Mean	0.1293	0.004752	0.004811	0.00403
Std. Dev.	0.05657	0.0008603	0.0006593	0.001463
Upper Lim.	0.1635	0.005	0.005	0.005
Lower Lim.	0.09503	0.00202	0.0029	0.0024

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-52I	PZ-63I	PZ-68D	PZ-74I
8/10/2018	<0.005			
8/23/2018	<0.005			
9/19/2018	<0.005			
10/29/2018	<0.005			
11/28/2018	<0.005			
12/20/2018	<0.005			
1/17/2019	<0.005			
2/13/2019	<0.005			
8/29/2019	<0.005			
10/16/2019	<0.005			
3/4/2020	<0.005			
8/20/2020	<0.005			
9/17/2020	<0.005			
3/4/2021	<0.005			
9/28/2021	<0.005			
2/2/2022	<0.005			
2/4/2022		<0.005		
8/25/2022	<0.005	<0.005		
1/25/2023	<0.005			
1/30/2023		<0.005		
2/1/2023			<0.005	
6/6/2023				0.0237
8/23/2023		<0.005	<0.005	
8/24/2023	<0.005			0.0423
2/1/2024	<0.005	<0.005	<0.005	0.0489
8/27/2024				0.0597
8/28/2024	<0.005			
8/29/2024		<0.005	<0.005	
2/18/2025				0.0622
2/19/2025	0.00198 (J)	0.00262 (J)	0.00205 (J)	
8/27/2025	<0.005	<0.005	<0.005	0.0696
2/18/2026		<0.005		
2/19/2026	<0.005			0.079
2/24/2026			<0.005	
Mean	0.004874	0.004736	0.004579	0.05506
Std. Dev.	0.0006165	0.0007933	0.001115	0.01844
Upper Lim.	0.005	0.005	0.005	0.07697
Lower Lim.	0.00198	0.00262	0.00205	0.03315

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	PZ-75I
7/5/2023	0.0732
8/24/2023	0.0696
2/1/2024	0.0954
8/27/2024	0.106
2/18/2025	0.122
8/27/2025	0.128
2/19/2026	0.137
Mean	0.1045
Std. Dev.	0.02645
Upper Lim.	0.1359
Lower Lim.	0.07304

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/8/2026 2:23 PM View: Confidence Intervals

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

	BRGWC-29I
9/8/2016	<0.002
11/21/2016	0.0002 (J)
2/22/2017	0.0002 (J)
6/14/2017	0.0002 (J)
9/27/2017	0.0002 (J)
2/14/2018	0.00018 (J)
6/27/2018	0.00017 (J)
12/18/2018	0.00017 (J)
8/28/2019	0.00017 (J)
10/16/2019	0.00017 (J)
3/4/2020	0.00016 (J)
8/19/2020	0.00016 (J)
9/15/2020	0.00016 (J)
3/3/2021	0.00018 (J)
9/28/2021	<0.002
2/3/2022	<0.002
8/24/2022	<0.002
1/26/2023	<0.002
8/24/2023	<0.002
1/31/2024	<0.002
8/27/2024	<0.002
2/19/2025	<0.002
8/26/2025	<0.002
2/19/2026	<0.002
Mean	0.001013
Std. Dev.	0.0009272
Upper Lim.	0.002
Lower Lim.	0.00017

ND substitution: RL or RL/2 if <15% NDs.

FIGURE K.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0001443**	**-108**	**-81**	**Yes**	**24**	**50**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002261**	**-168**	**-81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.00007674**	**-125**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0003628**	**-134**	**-81**	**Yes**	**24**	**37.5**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.00589**	**34**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**BRGWC-32S**	**0.02376**	**138**	**90**	**Yes**	**26**	**15.38**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02535**	**19**	**15**	**Yes**	**7**	**0**	**n/a**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

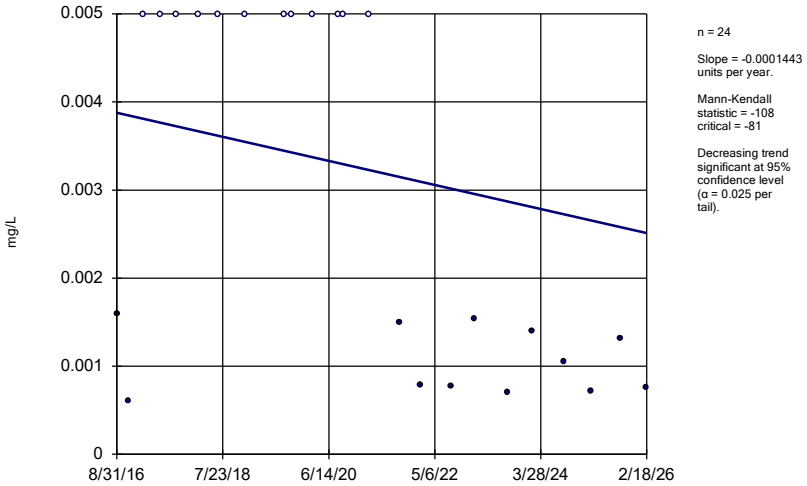
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D Printed 4/8/2026, 2:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cobalt (mg/L)	**BRGWA-2I (bg)**	**-0.0001443**	**-108**	**-81**	**Yes**	**24**	**50**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-2S (bg)**	**-0.0002261**	**-168**	**-81**	**Yes**	**24**	**8.333**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**BRGWA-5I (bg)**	**-0.00007674**	**-125**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	BRGWA-5S (bg)	0	43	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-6S (bg)	0	10	81	No	24	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12I (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BRGWA-12S (bg)	0	0	58	No	19	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	**BRGWA-23S (bg)**	**-0.0003628**	**-134**	**-81**	**Yes**	**24**	**37.5**	**n/a**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**PZ-63I**	**0.00589**	**34**	**20**	**Yes**	**9**	**0**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	BRGWA-2I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-2S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5I (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-5S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-6S (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12I (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-12S (bg)	0	0	53	No	18	100	n/a	n/a	0.05	NP
Selenium (mg/L)	BRGWA-23S (bg)	0	3	81	No	24	45.83	n/a	n/a	0.05	NP
Selenium (mg/L)	**BRGWC-32S**	**0.02376**	**138**	**90**	**Yes**	**26**	**15.38**	**n/a**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**PZ-75I**	**0.02535**	**19**	**15**	**Yes**	**7**	**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 = 24

Slope = -0.0001443 units per year.

Mann-Kendall statistic = -108
critical = -81

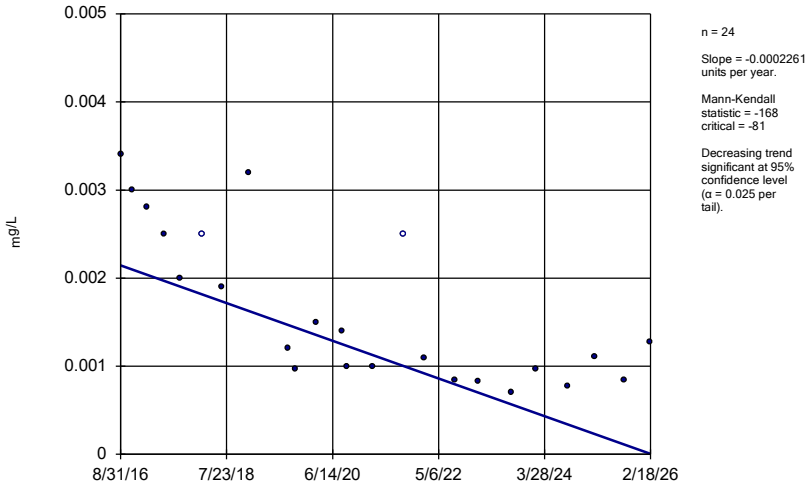
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = -0.0002261 units per year.

Mann-Kendall statistic = -168
critical = -81

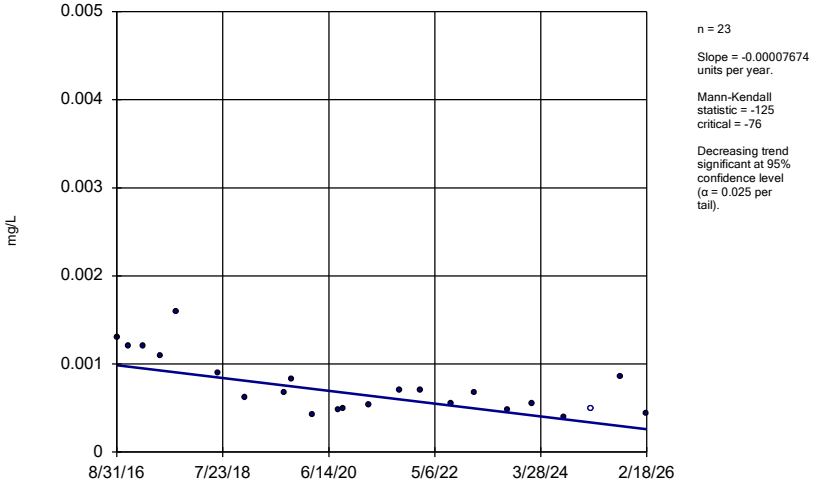
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 23

Slope = -0.00007674 units per year.

Mann-Kendall statistic = -125
critical = -76

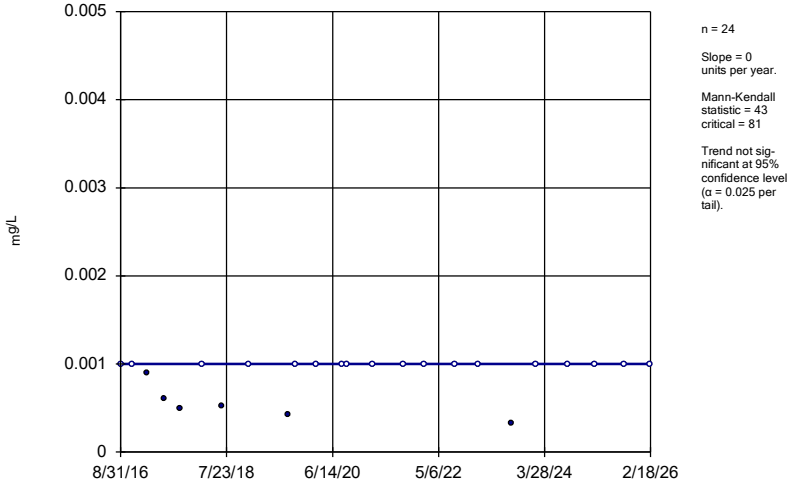
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 43
critical = 81

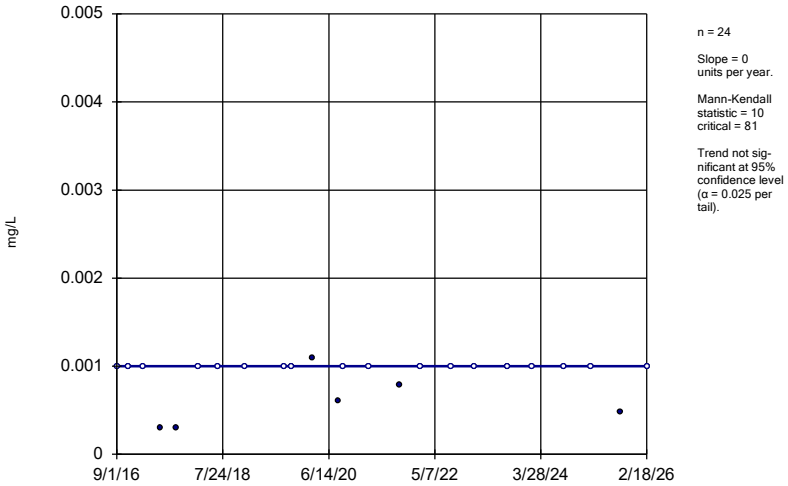
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 10
critical = 81

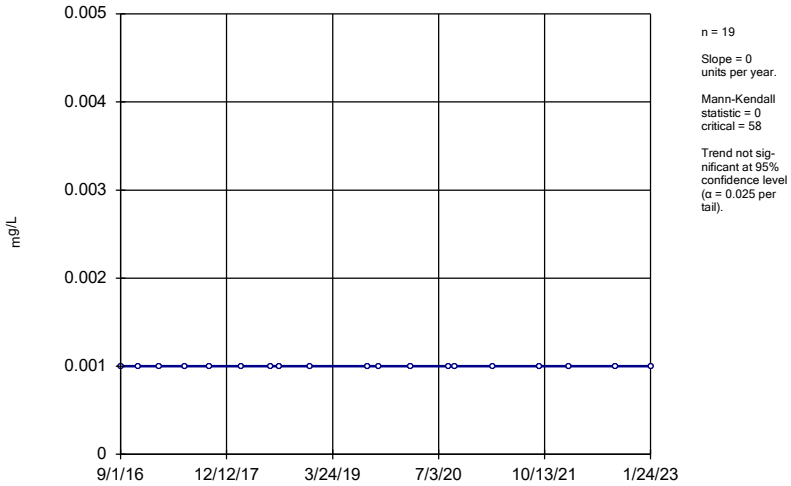
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 19

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 58

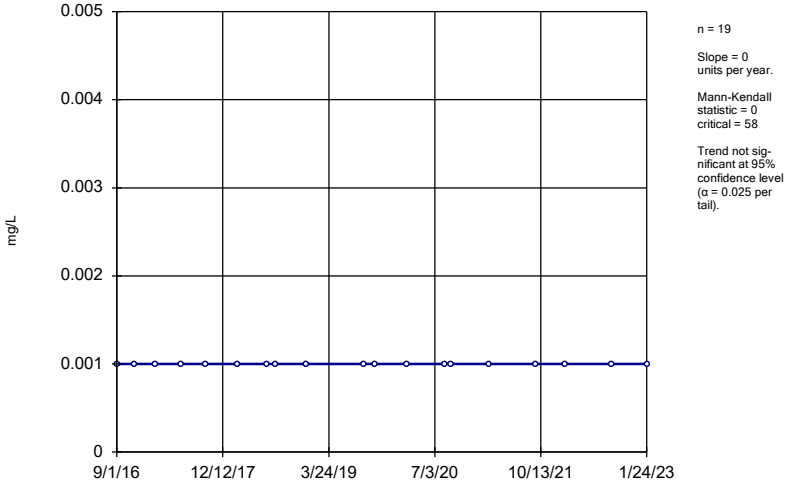
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 19

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 58

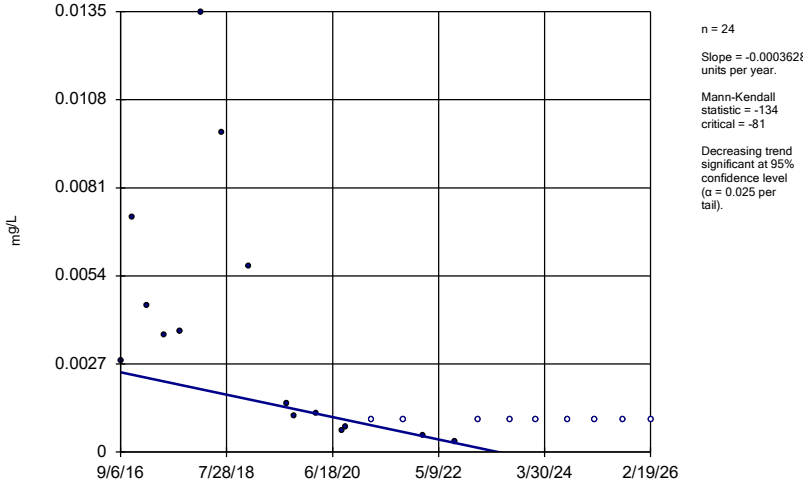
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = -0.0003628
units per year.

Mann-Kendall
statistic = -134
critical = -81

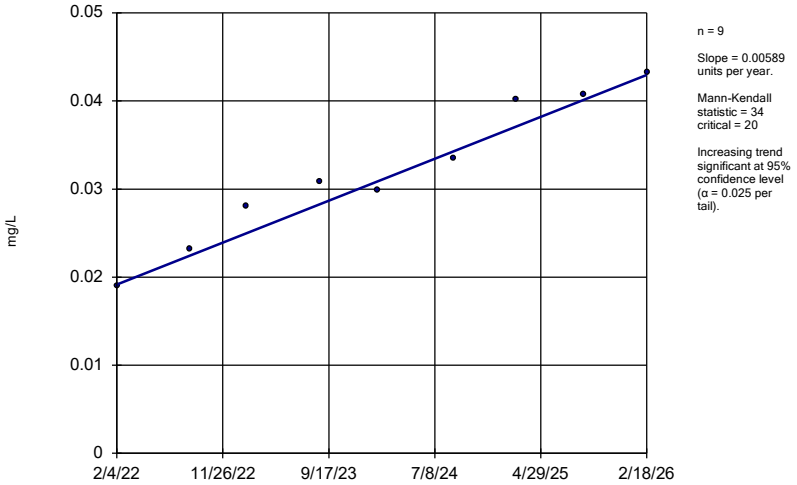
Decreasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-63I



n = 9

Slope = 0.00589 units per year.

Mann-Kendall statistic = 34 critical = 20

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

Constituent: Cobalt Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests

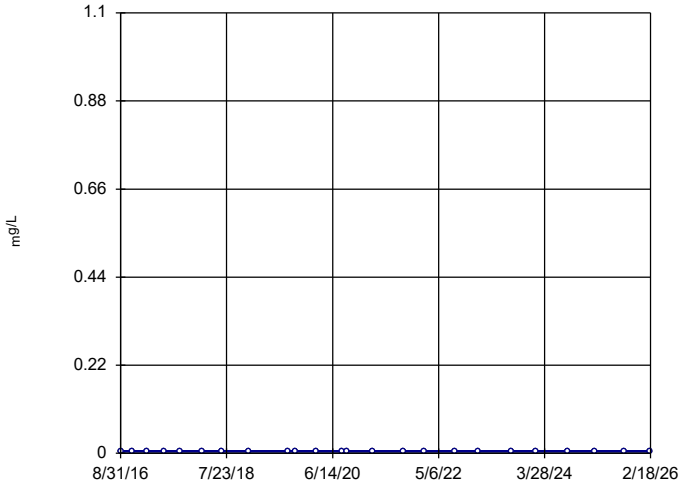
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

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

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests

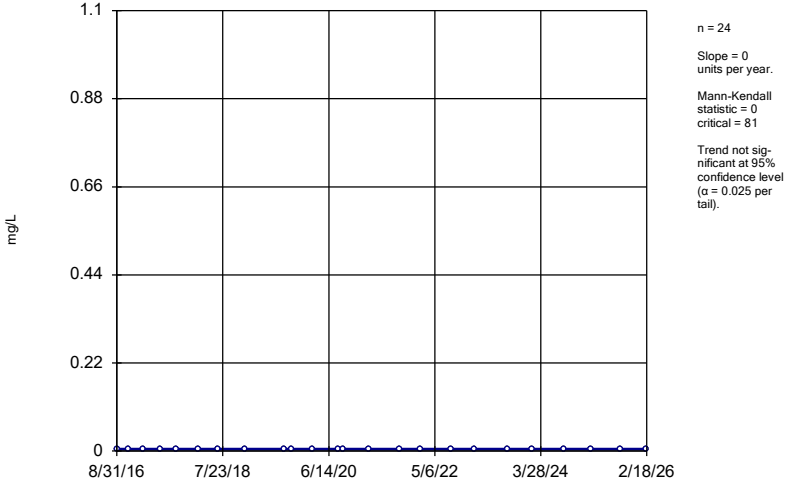
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-2S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

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

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests

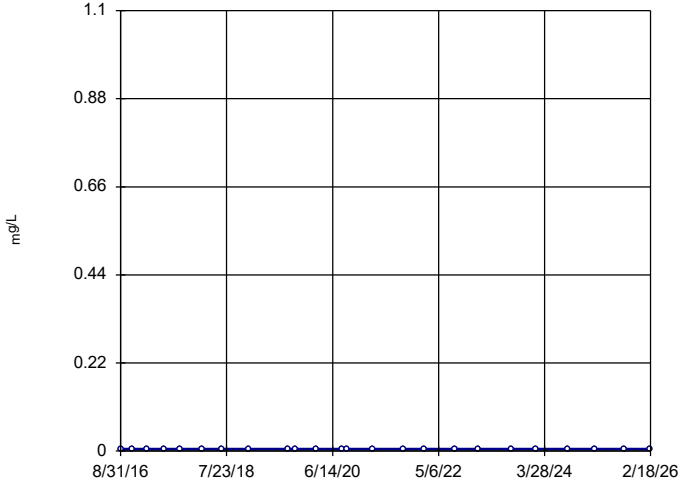
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-5I (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 81

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

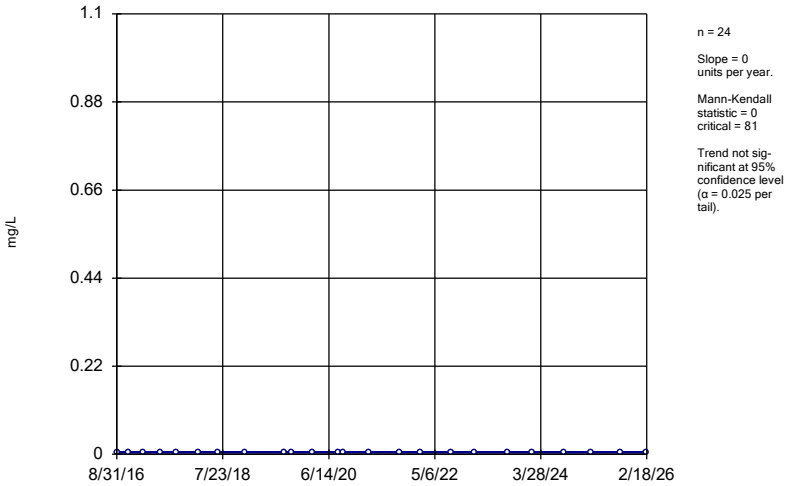
Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests

Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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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 = 0
critical = 81

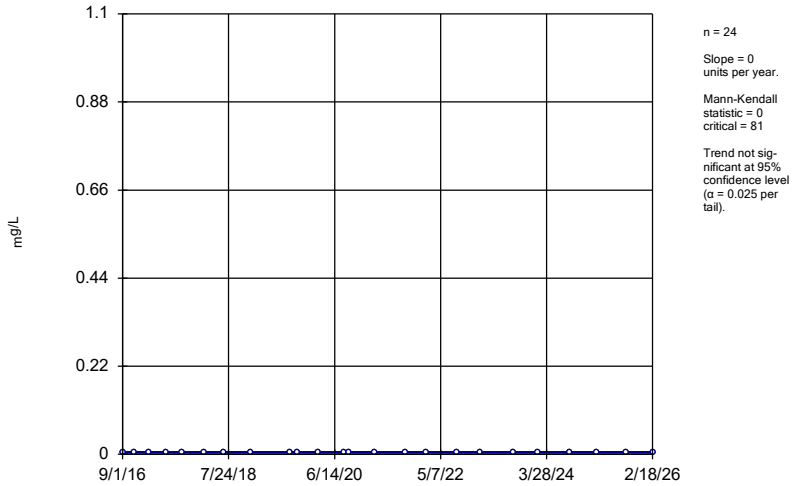
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-6S (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

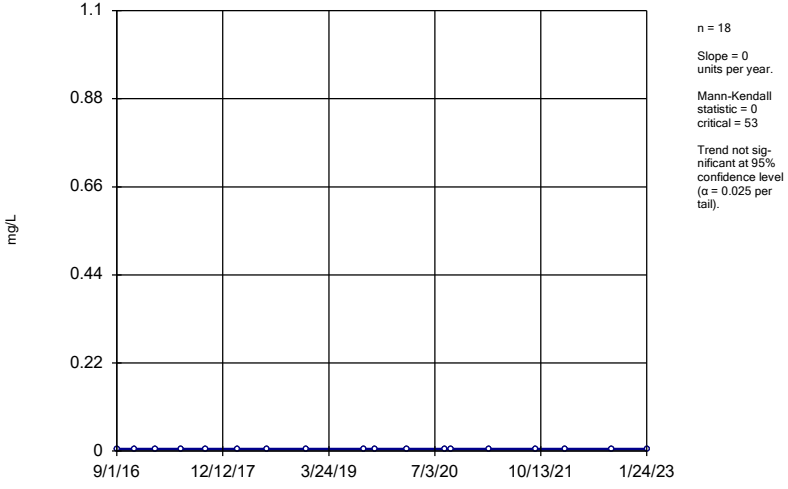
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12I (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 53

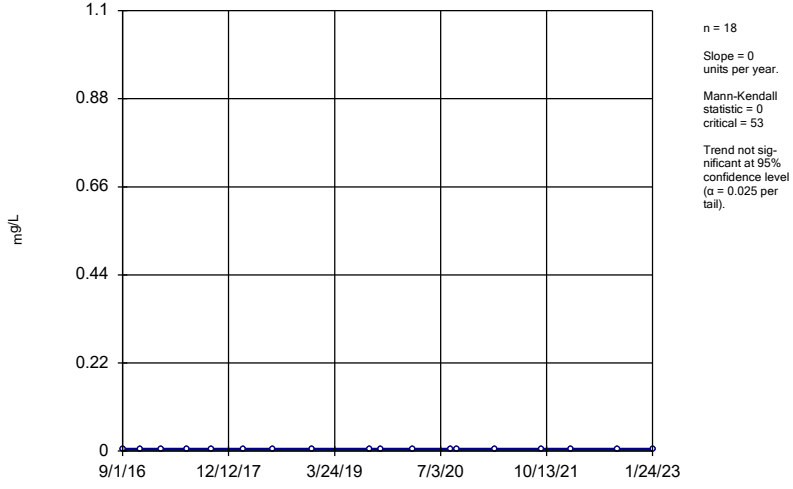
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

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Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-12S (bg)



n = 18

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 53

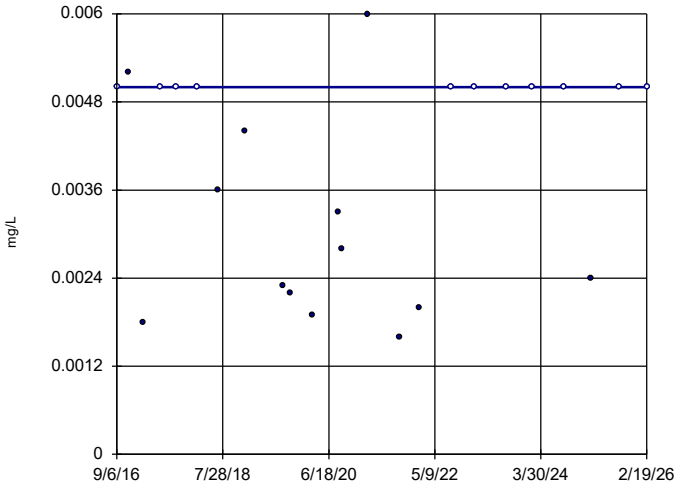
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWA-23S (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 81

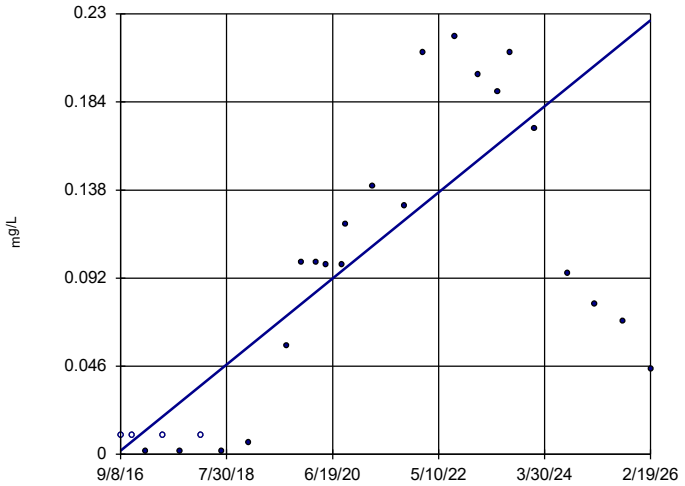
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

BRGWC-32S



n = 26

Slope = 0.02376 units per year.

Mann-Kendall statistic = 138
critical = 90

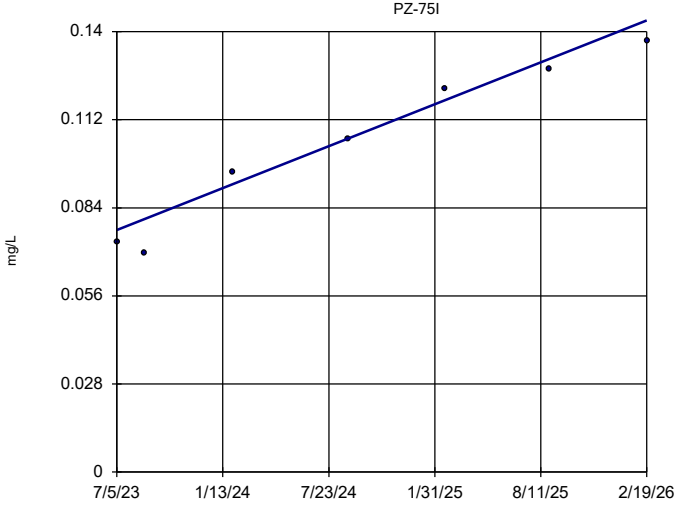
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

PZ-75I



n = 7

Slope = 0.02535 units per year.

Mann-Kendall statistic = 19
critical = 15

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

Constituent: Selenium Analysis Run 4/8/2026 2:24 PM View: Appendix IV - Trend Tests
Plant Branch Client: Southern Company Data: Branch Ponds B,C,D

APPENDICES

Geosyntec consultants

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144
PH 678.202.9500
FAX 678.202.9501
www.geosyntec.com

DATE: May 28, 2026

TO: Christopher Tidwell, P.G., Southern Company Services, Inc.
Ben Hodges, P.G., Georgia Power Company

FROM: Courtney Collins, P.E.[1], Geosyntec Consultants, Inc.
Ali Akbari, PhD, Geosyntec Consultants, Inc.

SUBJECT: **Groundwater Travel Time Evaluation Memorandum**
Plant Branch AP-BCD and AP-E
Georgia Power Company

INTRODUCTION

On behalf of Georgia Power Company (Georgia Power), Geosyntec Consultants, Inc. (Geosyntec) has prepared this *Groundwater Travel Time Evaluation Memorandum* to summarize the groundwater travel time evaluation conducted at Plant Branch Ash Ponds B, C, and D (AP-BCD) and Ash Pond E (AP-E) to assess when changes in groundwater chemistry observed at select monitoring wells upgradient of the ash ponds could potentially be expected to be observed in the downgradient monitoring wells.

OVERVIEW

Estimated groundwater travel times were calculated using the distance between representative upgradient and downgradient well pairs and average groundwater velocities calculated in the 2025 Annual Groundwater Monitoring and Corrective Action Reports for AP-BCD and AP-E (Geosyntec, 2025a and 2025b) using site specific hydraulic conductivity data and measured groundwater elevations. The average groundwater velocities from the 2025 annual reports are conservative when compared to the velocities calculated in previous years annual reports. The approach provides an estimate of the time required for groundwater to advect from upgradient background locations to the nearest downgradient wells associated with the ash pond areas.

The evaluation focused on two upgradient wells:

---

[1] Licensed Professional in the State of Georgia

- BRGWA-2I, located upgradient of AP-E
- BRGWA-23S, located upgradient of AP-BCD

Each well was paired with the closest downgradient monitoring well along the interpreted groundwater flow path derived from synoptic potentiometric data recorded during the August 2025 semiannual groundwater assessment monitoring event.

RESULTS

AP-E

The estimated groundwater travel time from upgradient monitoring well BRGWA-2I to downgradient well BRGWC-35S is approximately 55 years. This estimate is based on a flow path distance of approximately 4,500 feet and an average groundwater flow velocity of approximately 82 feet per year and is considered a conservative estimate. Based on this travel time, changes in groundwater chemistry observed at BRGWA-2I are not expected to be observed at downgradient AP-E monitoring locations for several decades.

AP-BCD

The estimated groundwater travel time from upgradient monitoring well BRGWA-23S to downgradient well BRGWC-30I is approximately 16 years. This estimate is based on a flow path distance of approximately 1,400 feet and an average groundwater flow velocity of approximately 85 feet per year and is considered a conservative estimate. Accordingly, changes in groundwater chemistry at BRGWA-23S would not be expected to be observed downgradient AP-D monitoring wells for at least 16 years.

The flow paths evaluated at AP-E and AP-BCD are shown on **Figures 1** and **2**, respectively. A summary of the groundwater travel times is presented in **Table 1**.

CONCLUSIONS

The estimated groundwater travel times represent conservative estimates indicating that advective transport from upgradient monitoring wells to downgradient wells occurs over many decades. Based on estimated average groundwater travel times, changes in upgradient groundwater chemistry are not expected to be observed at downgradient locations of AP-E and AP-BCD for approximately 55 years and 16 years, respectively. Accordingly, changes identified in upgradient groundwater during the historical monitoring period would not be expected to appear at downgradient locations within the same timeframe.

Geosyntec consultants

REFERENCES

Geosyntec, 2025a. *2025 Annual Groundwater Monitoring and Corrective Action Report - Plant Branch Ash Ponds B, C, & D (AP-BCD)*. July 2025.

Geosyntec, 2025b. *2025 Annual Groundwater Monitoring and Corrective Action Report - Plant Branch Ash Pond E (AP-E)*. July 2025.

ENCLOSURES

Table 1 – Groundwater Travel Time Summary

Figure 1 – AP-E Conceptual Flow Path, BRGWA-2I to BRGWC-35S

Figure 2 – AP-BCD Conceptual Flow Path, BRGWA-23S to BRGWC-30I

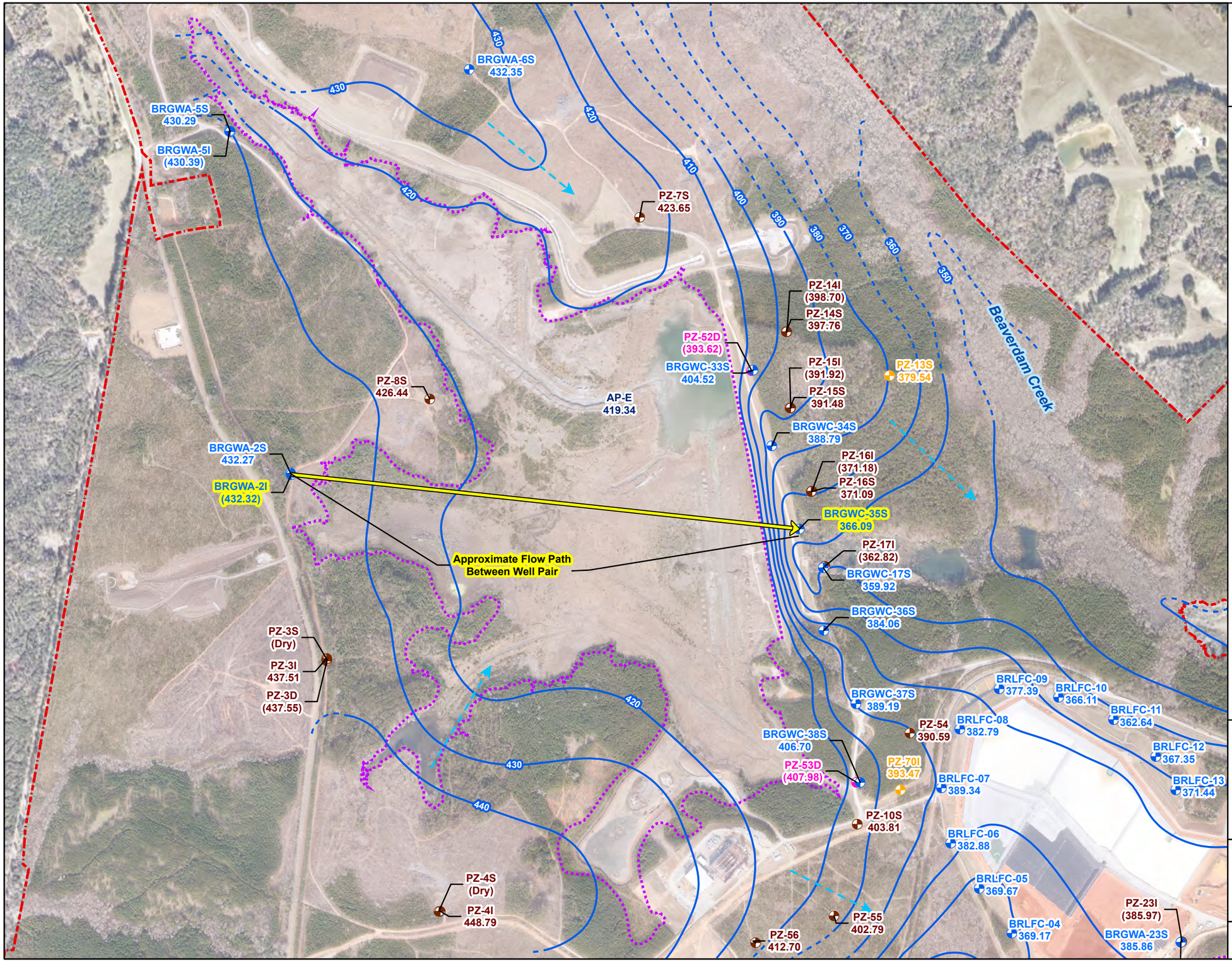
Attachment A – Certification Statement

Table 1
Groundwater Travel Time Summary
Georgia Power Company
Plant Branch - Ash Ponds B, C and D and 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 (i) (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)
AP-BCD Average Groundwater Flow Velocity Calculations (February 2026)											
BRGWA-23S to BRGWC-30I	385.86	347.56	38.30	1399	0.027	2.80	0.20	0.38	140	0.23	85
BRGWC-47 to BRGWC-44	380.40	353.58	26.82	2368	0.011	1.45	0.20	0.08	30		
AP-E Average Groundwater Flow Velocity Calculations (February 2026)											
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		

Well Pair	Average Groundwater Flow Velocity (ft/year)	Approximate Distance Between Well 1 and Well 2 (ft)	Estimated Travel Time (years)
AP-BCD Well Pair Travel Time Calculation			
BRGWA-23S to BRGWC-30I	85	1400	16
AP-E Well Pair Travel Time Calculation			
BRGWA-2I to BRGWC-35S	82	4500	55

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) Elevations shown are referenced to datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
(3) The values used to calculate average groundwater velocity are described in the 2025 Annual Groundwater Monitoring and Corrective Action Reports for AP-BCD and AP-E (Geosyntec, 2025a and 2025b).



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
- Approximate Flow Path Between Well Pair

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, January 2026.

0 850 1,700

Scale in Feet

AP-E
CONCEPTUAL FLOW PATH, BRGWA-2I TO BRGWC-35S

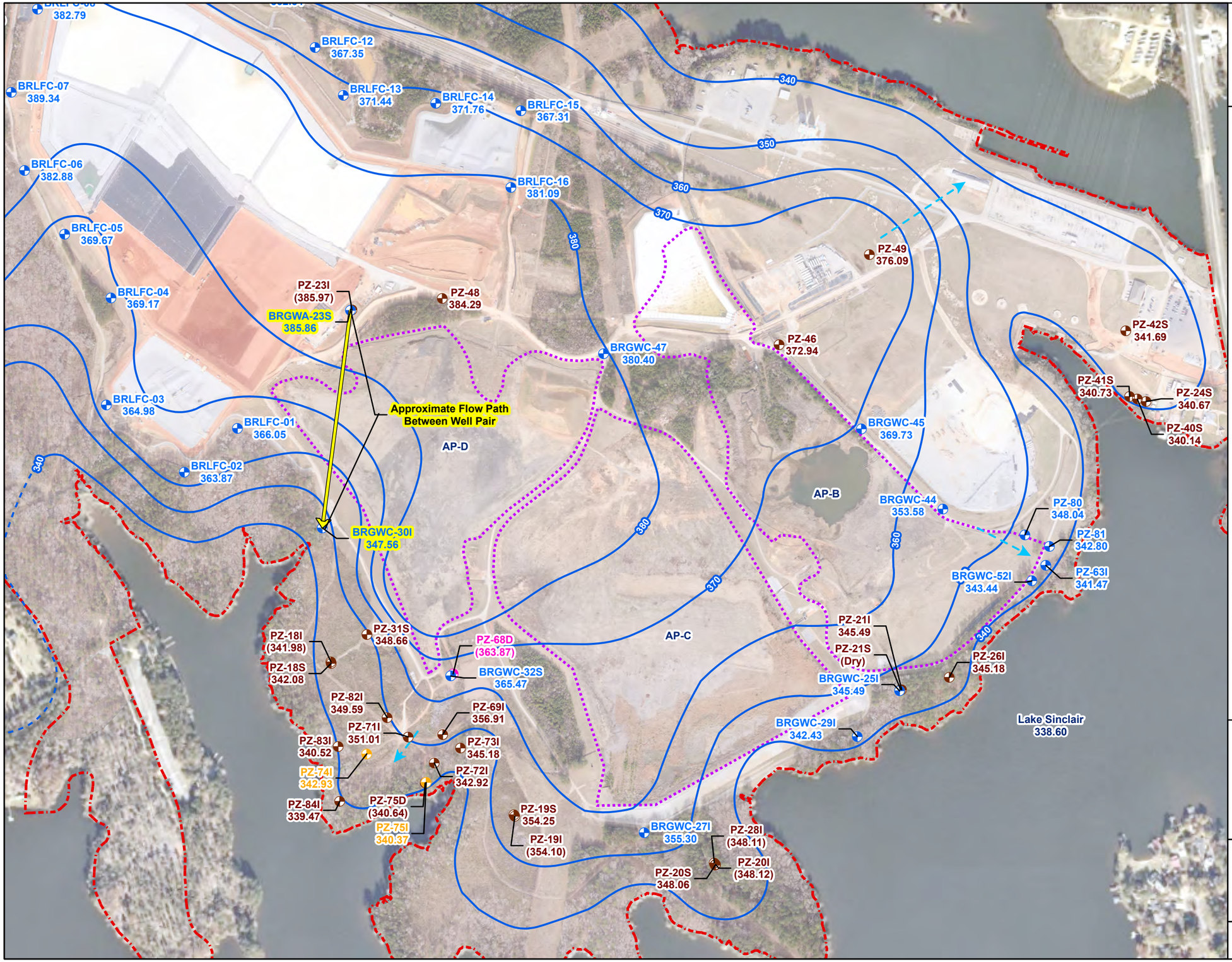
GEORGIA POWER COMPANY
PLANT BRANCH AP-BCD and AP-E
PUTNAM COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | MAY 2026

FIGURE 1



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
- Approximate Flow Path Between Well Pair

Notes:
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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, January 2026.

0 600 1,200
Scale in Feet

AP-BCD CONCEPTUAL FLOW PATH, BRGWA-23S TO BRGWC-30I

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

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | MAY 2026

FIGURE 2

ATTACHMENT A

Certification Statement

CERTIFICATION STATEMENT

This *Groundwater Travel Time Evaluation Memorandum, Plant Branch AP-BCD and AP-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.



Digitally signed by
Courtney L. Collins
Date: 2026.05.28
10:13:38 -04'00'

Courtney L. Collins
Georgia Professional Engineer No. 032680

May 28, 2026
Date

APPENDIX E

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 Summary ---- **A-2**

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).

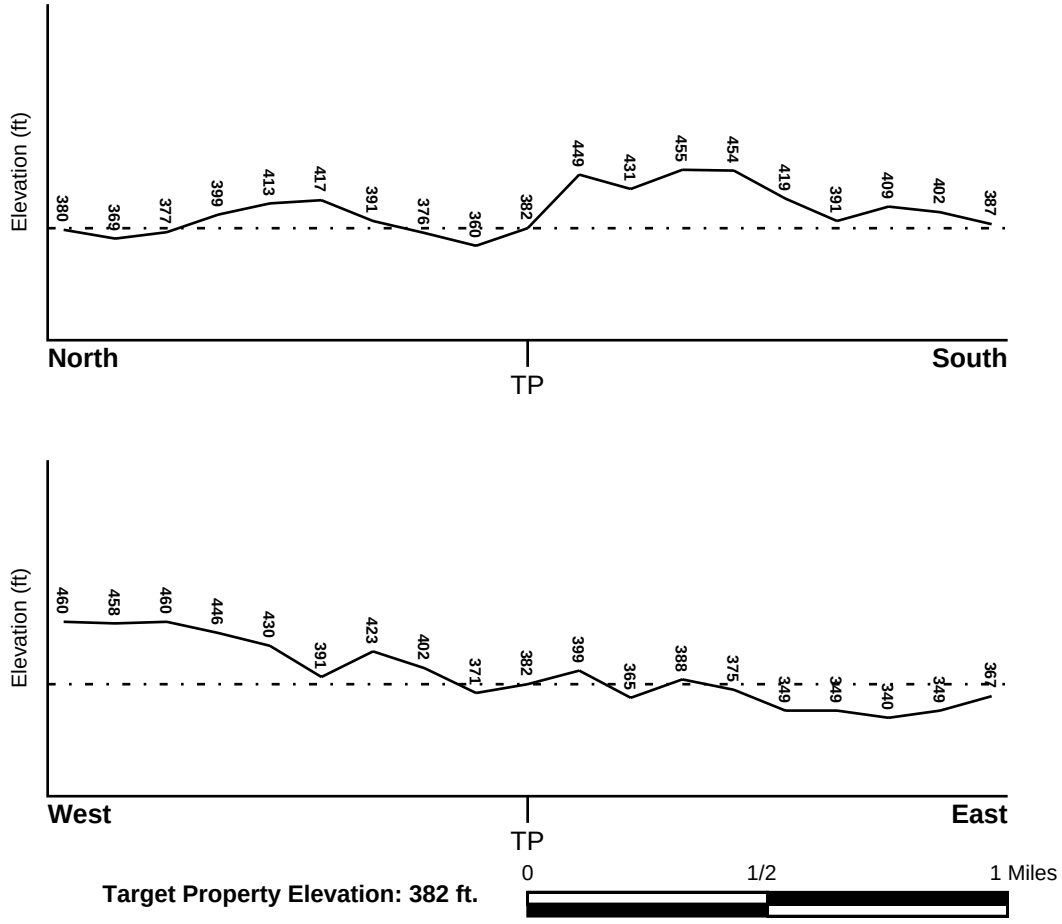
TOPOGRAPHIC INFORMATION

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



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 **GEOLOGIC AGE IDENTIFICATION**

Era:	Paleozoic	Category:	Metamorphic Rocks
System:	Pennsylvanian		
Series:	Felsic paragneiss and schist		
Code:	mm1 *(decoded above as Era, System & Series)*		

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

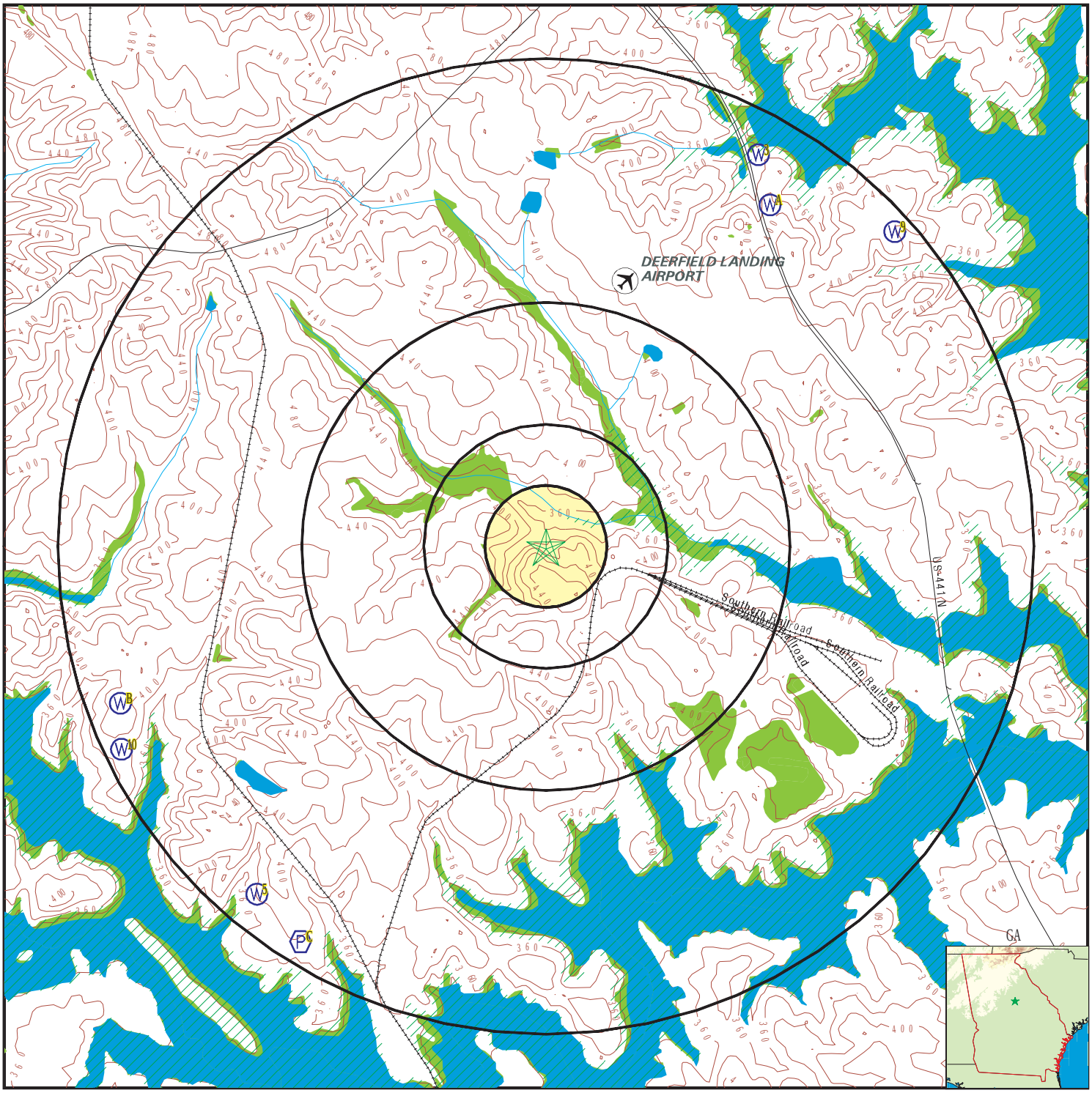
MAP ID	WELL ID	LOCATION FROM TP
C7	GA2370006	1 - 2 Miles SSW
C8	GA2370008	1 - 2 Miles SSW

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
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Wildlife Areas

SITE NAME:	Plant 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 **FRDS PWS** **GA2370008**
1 - 2 Miles
Lower

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

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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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