Prepared for



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2025 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT WANSLEY ASH POND 1 (AP-1)

Prepared by



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CERTIFICATION STATEMENT

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



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August 29, 2025
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SUMMARY

This summary of the *2025 Semiannual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program for the reporting period of January through June 2025 (referred to herein as the "semiannual reporting period") at Georgia Power Company's (Georgia Power's) Plant Wansley Ash Pond 1 (AP-1) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6[1] of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).



Plant Wansley and the Site

Plant Wansley is located on approximately 5,200 acres about 12 miles southeast of the City of Carrollton, Georgia. Although the majority of the plant property lies within Heard County, the physical address of and entrance to the plant is 1371 Liberty Church Road, Carrollton, Carroll County, Georgia. AP-1 is a 343-acre surface impoundment located northwest of the plant, which was designed to receive and store CCR materials. AP-1 began receiving process water containing fly ash and bottom ash in 1976. As of April 2019, all process-related flows from the plant to AP-1 have ceased. As part of the *2022 Integrated Resource Plan*, the Georgia Public Service Commission approved decertification and retirement of the Plant Wansley coal fired units on August 31, 2022. As part of that plan, Georgia Power has elected to close Plant Wansley AP-1 by removal.

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 May 2016 to September 2017. Based on groundwater conditions at the Site, an assessment monitoring program and assessment of corrective measures (ACM) program were established in January 2018 and October 2022, respectively. During the semiannual reporting period, the Site remained in assessment monitoring as corrective measures are being evaluated.

[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

During the 2025 semiannual reporting period, Geosyntec conducted groundwater sampling in February 2025 in support of the assessment monitoring program. Groundwater samples were submitted to Eurofins Environment Testing America (Eurofins) for analysis. Per the federal CCR Rule, groundwater data obtained from the semiannual assessment monitoring events were evaluated in accordance with the certified statistical methods. The evaluation identified statistically significant values of select Appendix III[2] and Appendix IV[3] constituents in excess of established groundwater protection standards (GWPS) in select monitoring wells, as summarized in the table below for each semiannual event.

An Alternate Source Demonstration (ASD)[4] was submitted that presented multiple lines of evidence that the lithium groundwater concentrations detected at WGWC-19 are not associated with a release from AP-1 but are instead attributed to a natural source of lithium in rock formations at the Site. On September 26, 2024, GA EPD issued a letter of nonconcurrence stating that they do not currently concur with the ASD based on the information provided.

Based on the statistical analyses results reported herein, statistically significant levels (SSLs) of Appendix IV constituents were identified for groundwater data collected during the semiannual reporting period. Pursuant to § 257.96, Georgia Power initiated an ACM program on October 27, 2022. An *Assessment of Corrective Measures Report* for AP-1 was submitted to GA EPD on March 24, 2023, per § 257.96. Pursuant to § 257.96(b), Georgia Power will continue to monitor the groundwater at AP-1 in accordance with the assessment monitoring program regulations of § 257.95 during this evaluation period. Reports will be posted to Georgia Power's CCR Rule Compliance website and provided to GA EPD semiannually.

[2] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
[3] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228
[4] An ASD was submitted in January 2019 (ACC, 2019). An Addendum to the ASD was submitted in November 2020 (Geosyntec, 2020) and revised in February 2021 (Geosyntec, 2021).

Appendix III Constituent	February 2025
Boron	WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, WGWC-25
Calcium	WGWC-8, WGWC-20, WGWC-21
Chloride	WGWC-8, WGWC-16, WGWC-20, WGWC-21, WGWC-24, WGWC-25
Fluoride	WGWC-9, WGWC-15
pH	WGWC-24
Sulfate	WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24
Total Dissolved Solids	WGWC-8, WGWC-20, WGWC-21
Appendix IV Constituent[5]	**February 2025**
Beryllium	WGWC-20, WGWC-24
Cobalt	WGWC-24
Lithium	WGWC-19, WGWC-20, WGWC-21, WGWC-28D

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

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LIST OF ACRONYMS AND ABBREVIATIONS

ACC	Atlantic Coast Consulting, Inc.
ACM	Assessment of Corrective Measures
AP-1	Ash Pond 1
ASD	Alternate Source Demonstration
CCR	coal combustion residuals
CFR	Code of Federal Regulations
cm/sec	centimeters per second
CSM	conceptual site model
DO	dissolved oxygen
ERM	Environmental Resources Management
Eurofins	Eurofins Environment Testing America
ft bgs	feet below ground surface
ft/day	feet per day
ft/ft	feet per foot
ft/year	feet per year
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GSC	Groundwater Stats Consulting
GWPS	Groundwater Protection Standard
HAR	Hydrogeologic Assessment Report
i	horizontal hydraulic gradient
K_h	horizontal hydraulic conductivity
MCL	Maximum Contaminant Level
mg/L	milligram per liter
n_e	effective porosity
NELAP	National Environmental Laboratory Accreditation Program
NTU	nephelometric turbidity units
ORP	oxidation-reduction potential
PE	Professional Engineer
Piedmont	Piedmont Physiographic Province
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
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] Part 257, Subpart D) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, Geosyntec Consultants, Inc. (Geosyntec) has prepared this *2025 Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Wansley (Site) Ash Pond 1 (AP-1) for the reporting period of January through June 2025 (referred to herein as the "semiannual reporting period").

Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements of § 257.90 through § 257.95 of the federal CCR Rule, and GA EPD Rules for Solid Waste Management 391-3-4-.10(6). To specify groundwater monitoring requirements, GA EPD rule 391-3-4-.10(6)(a) incorporates by reference the federal CCR Rule. For ease of reference, the federal CCR Rule is cited within this report in lieu of citing both sets of regulations.

Due to statistically significant levels (SSLs) of beryllium and lithium identified in the *2022 Semiannual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2022), Georgia Power initiated an assessment of corrective measures (ACM) program for AP-1 in October 2022, within 90 days of SSL notification in accordance with § 257.96. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-1 in accordance with the assessment monitoring program established for AP-1 in 2018, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a).

During this semiannual reporting period, SSLs of Appendix IV constituents beryllium, cobalt, and lithium were identified at the Site. Groundwater quality and flow data from the current reporting period indicate that the identified SSLs of beryllium and cobalt are horizontally and vertically delineated to below their corresponding groundwater protection standards (GWPS). Efforts to evaluate and confirm delineation of lithium to below its respective GWPS are ongoing by Georgia Power.

1.1 Site Description and Background

Plant Wansley is located on approximately 5,200 acres about 12 miles southeast of the City of Carrollton, Georgia. Although the majority of the plant property lies within Heard

County, the physical address of and entrance to the plant is 1371 Liberty Church Road, Carrollton, Carroll County, Georgia. The plant property is bounded on the east and southeast by the Chattahoochee River, and sparsely populated, forested, rural, and agricultural land to the north, south, and west. AP-1 is a 343-acre surface impoundment located northwest of the plant (**Figure 1**), which was designed to receive and store CCR materials. AP-1 began receiving process water containing fly ash and bottom ash in 1976. As of April 2019, all process-related flows from the plant to AP-1 have ceased. As part of the *2022 Integrated Resource Plan*, the Georgia Public Service Commission approved decommissioning of the Plant Wansley coal fired units on August 31, 2022. As part of that plan, Georgia Power has elected to close Plant Wansley AP-1 by removal. Georgia Power will conduct closure activities in accordance with § 257.102 and corresponding Rule 391-3-4-.10(7)(b). The proposed closure by removal approach provides a source control measure that reduces the potential for migration of CCR constituents to groundwater. Details of the closure approach are provided in the Written Closure Plan, published to Georgia Power's CCR Rule Compliance website. Closure permit no. 074-006D(CCR) was approved by GA EPD on March 6, 2025.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-1 as described in the *Hydrogeologic Assessment Report Revision 05 – Plant Wansley* (HAR Rev 05) submitted to GA EPD in support of the AP-1 solid waste handling permit (Geosyntec, 2025a).

1.2.1 Regional and Site Geology

Plant Wansley is located within the Piedmont Physiographic Province (Piedmont) of western Georgia, which is characterized by gently rolling hills with locally pronounced low, linear ridges, trending northeast-southwest, and separated by valleys. Over geologic time, the Piedmont has been subjected to multiple events of uplift, folding and faulting, alternation, and erosion.

The Piedmont Province is generally underlain by a variably thick blanket of overburden, which is comprised of residual and saprolitic soils derived from the in-place weathering of bedrock. Near the ground surface, soils are generally silt- and clay-rich, with fine-sand and sand becoming more prominent with depth. With increasing depth, the weathered materials tend to retain details of the structural features of the underlying bedrock. Occasional deposits of alluvium are present in valleys and drainage features. A mantle of partially weathered rock (PWR) and the upper fractured portion of the bedrock in the Piedmont comprises a zone often referred to as the "transition zone."

Bedrock in the Piedmont is predominately composed of metamorphic rock of Precambrian to Paleozoic age. The Site is underlain by several bedrock types consisting of graphitic schist, muscovite schist, biotite schist, schist with interlayered mafic units, amphibolite/hornblende gneiss, granitic gneiss, and feldspathic quartzite as identified in boring logs. Saprolitic soils were described at variable thickness across the Site but were generally encountered at or near ground surface. As is characteristic of this province, the Site has two pronounced ridges, one on the northwest side of AP-1 and one on the southeast side of AP-1, as well as smaller rolling hills along the western property boundary.

1.2.2 Hydrogeologic Setting

While the aquifer characteristics of each lithologic unit may vary, the groundwater is interconnected between these units, and they effectively act as one, unconfined aquifer. The uppermost aquifer at AP-1 occurs in the regolith (the overburden and PWR) and upper fractured portion of bedrock. According to previous site investigations, the potentiometric surface is a subdued reflection of the topography. The top of bedrock surface also generally follows topography and likely controls groundwater flow direction in the uppermost aquifer. Because of the steep topography at the Site and variable lithologic framework, the depth to the water table is variable, ranging from approximately 1 to 50 feet below ground surface (ft bgs). The regional groundwater flow direction is expected to be to the southeast; however, in topographically high areas south of AP-1, shallower water table elevations are noted within the saprolite and PWR, and hydraulic gradients indicate localized flow northward (or inward) toward the pond.

Groundwater in the saprolite and PWR is hydraulically connected to the bedrock via fractures and deeply weathered areas of the rock. Recharge is by precipitation infiltrating through the saprolite to the bedrock. Based on observations of soil types and horizontal conductivity values, the movement of groundwater in the saprolite is very slow and likely acts as flow through a low-permeability porous media. Groundwater flow in the bedrock is restricted entirely to flow through fractures. Visual observations and geophysical logging during field investigations indicate a general trend of decreasing fracture aperture and density with depth, consistent with regional geologic trends.

1.3 Groundwater Monitoring Well Network

In accordance with § 257.91, a groundwater monitoring system was installed at AP-1 that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of AP-1 (i.e., background conditions) and passing the waste

boundary of AP-1. The number, spacing, and depths of the groundwater monitoring wells, referred to as "detection monitoring wells", were selected based on the characterization of site-specific hydrogeologic conditions. On October 15, 2024, GA EPD issued a comment letter on the draft permit for closure by removal of AP-1 requesting installation of additional groundwater monitoring wells to enhance the detection groundwater monitoring network along the separator dike between AP-1 and the Storage Water Pond and along the south side of AP-1. Monitoring network enhancements were completed by installation of thirteen new detection monitoring wells and conversion of six existing piezometers to detection monitoring wells between December 2024 and March 2025. The first of eight quarterly sampling events to establish background conditions in the new detection monitoring wells is scheduled for August 2025.

As part of the assessment monitoring program, assessment monitoring wells have been installed since 2020 to supplement the pre-existing detection monitoring wells and characterize the nature and extent of beryllium, cobalt, and lithium in groundwater downgradient of AP-1. Pursuant to § 257.95(g)(1)(iv), the wells classified as "assessment monitoring wells" will continue to be sampled concurrently with the detection monitoring well network as part of the ongoing assessment groundwater monitoring program. Following GA EPD nonconcurrence with the lithium alternate source demonstration (ASD) at WGWC-19, WAMW-1 was reclassified to a vertical assessment monitoring well and WAMW-2 was reclassified to a horizontal assessment monitoring well.

An on-site network of piezometers is used in combination with the detection and assessment monitoring well networks to gauge groundwater levels to define groundwater flow direction and gradients. The piezometers may be sampled as needed to support the ACM program.

The locations of the detection monitoring wells, assessment monitoring wells, and piezometers are shown on **Figure 2**; well and piezometer construction details are listed in **Table 1**.

2.0 GROUNDWATER MONITORING ACTIVITIES

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

2.1 Monitoring Well Installation and Maintenance

To enhance the groundwater monitoring network at the Site at the request of GA EPD, 13 monitoring wells were installed between December 2024 and March 2025, including eight paired wells on the Separator Dike and five wells on the southern side of AP-1. The locations of the wells are shown on **Figure 2**. A well installation report that includes detailed boring and well construction logs for the installation of the new monitoring wells is provided in **Appendix A** and was submitted to GA EPD under separate cover in June 2025 (Geosyntec, 2025c). Additionally, six existing piezometers were reclassified to detection monitoring wells and added to the monitoring network.

The well and piezometer networks are inspected semiannually to evaluate if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In February 2025, the networks were inspected, as documented in **Appendix B**. Necessary corrective actions were identified for wells WGWA-4 and WGWA-6 and were subsequently completed on June 18, 2025. This documentation was prepared under the direction of a professional geologist or engineer registered in the State of Georgia.

2.2 Assessment Monitoring

Georgia Power initiated an assessment monitoring program for groundwater at AP-1 in January 2018 based on statically significant increases (SSIs) of Appendix III constituents documented in the *2017 Annual Groundwater Monitoring and Corrective Action Report* (ERM, 2018). A notice of assessment monitoring was placed in the operating record on May 15, 2018. Currently identified SSLs of Appendix IV constituents exceeding their respective GWPS at AP-1 are beryllium in WGWC-20 and WGWC-24, cobalt in WGWC-24, and lithium in WGWC-19, WGWC-20, WGWC-21, and WGWC-28D.

Pursuant to § 257.96, an ACM program was initiated for AP-1 in October 2022. An *Assessment of Corrective Measures Report* (ACM Report) for AP-1 was submitted to GA EPD on March 24, 2023 (Geosyntec, 2023). In accordance with § 257.96(b), groundwater

continues to be monitored at AP-1 under the assessment monitoring program while the ACM phase is implemented.

In support of the routine assessment monitoring program, the first 2025 semiannual assessment monitoring event was conducted in February 2025. The wells sampled and the dates the samples were collected at AP-1 during the semiannual reporting period are summarized in **Table 2**. Details of the events and analytical results are discussed in Section 3.

2.3 Additional Groundwater and Surface Water Sampling

Additional groundwater samples were collected from the detection monitoring well network during the February 2025 assessment monitoring event and were analyzed for major cations, major anions, iron, manganese, and sulfide. These data were collected in support of ACM efforts. Supplemental sampling was also conducted in February 2025 to sample PZ-31 for Appendix III, Appendix IV, and select geochemical parameters and between April 2025 and June 2025 to sample PZ-32D, PZ-33D, and PZ-23D for Appendix III parameters, lithium, and select geochemical parameters. PZ-31 was sampled to provide additional data on beryllium and cobalt delineation and groundwater flow characteristics in the vicinity of WGWC-24. PZ-32D, PZ-33D, and PZ-23D were sampled to support ACM efforts. The laboratory reports associated with the data are provided in **Appendix C**.

In support of risk evaluation efforts, Georgia Power collected surface water samples from the Chattahoochee River at locations upstream and downstream of AP-1 in February 2025. The field sampling forms and laboratory reports associated with the surface water sampling 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-1 during the semiannual reporting period.

3.1 Groundwater Level Measurement

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

The groundwater elevation data were used to prepare a potentiometric surface map for the February 2025 event, which is presented on **Figure 3.** Groundwater in the AP-1 area flows under the influence of topography and generally flows inward towards AP-1 with the exception of a minor component of flow from AP-1 in a localized area near the eastern corner of AP-1. In February, the inward groundwater flow direction observed at WGWC-24, confirmed by water level measurements collected from PZ-31 and shown on **Figure 3**, was consistent with previous observations.

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the uppermost aquifer at AP-1 were calculated using the groundwater elevation data from the February 2025 gauging event. Hydraulic gradients were calculated along the flow paths between PZ-01 and WGWC-17 and between WGWC-20 and WGWC-27. The supporting calculations are presented in **Table 4** and the locations of the flow paths used in the calculations and associated potentiometric contour lines are shown on **Figure 3.** For the semiannual reporting period, the calculated hydraulic gradient between PZ-01 and WGWC-17 is 0.088 feet per foot (ft/ft), and the hydraulic gradient between WGWC-20 and WGWC-27 is 0.050 ft/ft.

The approximate horizontal flow velocities associated with AP-1 were calculated using the following derivative of Darcy's Law. The calculations are presented in **Table 4**.

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

where:

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

K_h = Horizontal hydraulic conductivity $\left(\frac{feet}{day}\right)$

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

h_1 and h_2 = Groundwater elevation at location 1 and 2

L = Distance between location 1 and 2

n_e = Effective porosity

The average horizontal hydraulic conductivity (K_h) for AP-1 of 6.0 x 10^{-5} centimeters per second (cm/sec) (0.17 feet per day [ft/day]) was computed from previous slug test data obtained from testing of wells at AP-1 (Geosyntec, 2025a). An estimated effective porosity of 0.10 is used to represent average conditions at AP-1, derived based on review of literature (Driscoll, 1986; Freeze and Cherry, 1979), observed site lithology, and professional judgement. With these variables defined, and accounting for the hydraulic gradients discussed above for the February 2025 gauging event, the calculated groundwater flow velocity for the semiannual reporting period was approximately 0.15 ft/day (PZ-01 to WGWC-17) and 0.086 ft/day (WGWC-20 to WGWC-27), for an average groundwater flow velocity in the vicinity of AP-1 of 0.12 ft/day, or approximately 43 feet per year (ft/year). The observed groundwater flow velocities are generally consistent with historical observations.

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 pumps and peristaltic pumps, the pump intake was lowered to the midpoint of the well screen (or as appropriate based on the groundwater level). Non-dedicated bladder pump and peristaltic pump samples were collected using new disposable polyethylene tubing; all non-dedicated tubing was disposed of following the sampling event. All non-disposable equipment was decontaminated before use and between well locations.

An in-situ water quality field meter (SmarTroll, Aqua TROLL, or similar) 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 measured using a LaMotte 2100Q (or similar) portable turbidimeter. Groundwater samples were collected when 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 Eurofins Environment Testing America (Eurofins) in Savannah, Georgia, following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the 2025 semiannual reporting period are provided in **Appendix C**.

3.4 Laboratory Analyses

Laboratory analyses were performed by Eurofins, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Eurofins maintains a NELAP certification for the Appendix III and Appendix IV constituents and the geochemical parameters analyzed for this project. Analytical methods used for groundwater sample analyses, and associated results, are listed in the analytical laboratory reports included in **Appendix C**. The groundwater analytical results from the semiannual reporting period are summarized in **Table 5**.

3.5 Quality Assurance and Quality Control Summary

Quality assurance/quality control (QA/QC) samples were collected during the groundwater monitoring events at the minimum rate of one set of QA/QC samples per 10 groundwater samples. One set of QA/QC samples included the following: field duplicate, equipment blank (where non-dedicated sampling equipment was used), and field blank

samples. QA/QC samples were collected in appropriately preserved laboratory-supplied sample containers and submitted under the same chain of custody as the primary samples for analysis of the same constituents by Eurofins.

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 meet project objectives and the associated data validation reports are provided in **Appendix C** with the laboratory reports.

4.0 STATISTICAL ANALYSIS

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

4.1 Statistical Methods

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

Appendix III statistical analysis was performed to assess if Appendix III constituents have returned to background levels. Appendix IV constituents were evaluated to assess if concentrations statistically exceeded the established 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 6**.

4.1.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PL) combined with a 1-of-2 verification resample plan for each of the Appendix III constituents. Interwell PLs pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the background limit for each constituent to assess whether there are SSIs. An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient detection monitoring well exceeds the constituent's associated PL. The 1-of-2 resample plan allows for collection of an independent resample. A confirmed exceedance is noted only when the resample confirms the initial exceedance by also exceeding the statistical limit. If the resample falls within its respective PL, no exceedance is declared.

4.1.2 Appendix IV Statistical Methods

To statistically compare groundwater data to GWPS, confidence intervals are constructed for each of the detected Appendix IV constituents in each downgradient detection monitoring well with a data set consisting of 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 of 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.

USEPA revised the federal CCR Rule on July 30, 2018, updating GWPS for cobalt, lead, lithium, and molybdenum. As described in § 257.95(h)(1-3), the GWPS is defined by the below criteria. These criteria were adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022.

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

(2) Where an MCL has not been established:

(i) Cobalt 0.006 mg/L;

(ii) Lead 0.015 mg/L;

(iii) Lithium 0.040 mg/L; and

(iv) Molybdenum 0.100 mg/L.

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

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

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analysis discussion presented in **Appendix D**, groundwater conditions have not returned to background levels and assessment monitoring should continue. Based on the statistical analyses of Appendix IV constituents, the following constituent(s) exceeded the GWPS during the semiannual reporting period:

4.2.1 February 2025 Data

- Beryllium: WGWC-20 and WGWC-24
- Cobalt: WGWC-24
- Lithium: WGWC-19, WGWC-20, WGWC-21, and WGWC-28D

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix D**). Statistically significant decreasing trends were identified for beryllium and cobalt in WGWC-24. A statistically significant increasing trend was identified for lithium in WGWC-19 and WGWC-21. No statistically significant trends were identified for beryllium or lithium in WGWC-20, or lithium in WGWC-28D.

4.2.2 Summary of Statistical Analyses

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

- The SSLs of lithium in WGWC-21 and WGWC-28D were first identified during this reporting period.
- A statistically significant increasing trend was identified for lithium in WGWC-21.

Additional data collection and evaluation of lithium SSLs in WGWC-19 and WGWC-20, WGWC-21, and WGWC-28D is ongoing to support ACM efforts, as appropriate.

5.0 NATURE AND EXTENT

Based on the groundwater data presented herein, the SSLs identified at Plant Wansley have been delineated as follows:

- Beryllium in WGWC-20: Horizontally delineated by WGWC-27 and vertically delineated by WGWC-28D to below the established GWPS (0.004 mg/L).

- Lithium in WGWC-20: Horizontally delineated by WGWC-27 to below the established GWPS (0.040 mg/L). Vertical delineation is currently ongoing.

- Beryllium in WGWC-24: Vertically delineated by PZ-26D to below the established GWPS. Horizontally delineated by the groundwater flow direction and by PZ-31. The groundwater flow direction observed at WGWC-24 is inward to AP-1 (confirmed by water level measurements collected from PZ-31, as shown on **Figure 3**). In addition, groundwater concentrations of beryllium in PZ-31 were observed to be below the applicable GWPS for two consecutive sampling events. Statistical analysis will be completed when at least four samples are available.

- Cobalt in WGWC-24: Vertically delineated by PZ-26D to below the established GWPS. Horizontally delineated by the groundwater flow direction and by PZ-31. The groundwater flow direction observed at WGWC-24 is inward to AP-1 (confirmed by water level measurements collected from PZ-31, as shown on **Figure 3**). In addition, groundwater concentrations of cobalt in PZ-31 were observed to be below the applicable GWPS during the most recent sampling event.

- Lithium in WGWC-19: Vertically delineated by WAMW-1 and horizontally delineated by WAMW-2.

- Lithium in WGWC-21: Horizontally delineated based on inward groundwater flow direction towards AP-1 as observed at WGWC-21 relative to WGWC-41. Vertical delineation is currently under evaluation. However, lithium concentrations below the GWPS at WAMW-1, which is screened deeper than WGWC-21, suggest that the vertical extent of the lithium SSL at WGWC-21 is shallower than the WAMW-1 screen interval. It also appears to be isolated to the west of WAMW-1 and localized at WGWC-21, as further supported by the inward groundwater flow at this location.

- Lithium in WGWC-28D: Horizontal and vertical delineation are ongoing.

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

6.0 MONITORING PROGRAM STATUS

6.1 Assessment Monitoring Status

Pursuant to § 257.96(b), Georgia Power will continue to monitor the groundwater at AP-1 in accordance with the assessment monitoring program regulations of § 257.95 while ACM efforts are implemented to address SSLs of beryllium, cobalt, and lithium in select AP-1 wells. Pursuant to § 257. 95(g)(1)(iv), assessment monitoring wells installed in support of the ACM program will be sampled as part of the ongoing assessment groundwater monitoring program.

6.2 Assessment of Corrective Measures

The ACM efforts completed during this semiannual reporting period are presented in the *Semiannual Remedy Selection and Design Progress Report* provided in **Appendix E.** The semiannual progress report summarizes:

(i) The current conceptual site model (CSM) applicable to evaluating groundwater corrective measures proposed in the ACM Report (Geosyntec, 2023).

(ii) Summary of work completed to date to achieve delineation of constituents exceeding GWPS and a summary of data collected to date to support remedy selection.

(iii) The status of evaluating applicable corrective measures at the Site.

(iv) The planned activities and anticipated schedule for the following semiannual reporting period.

In accordance with § 257.97(a), Georgia Power will include future semiannual progress reports with each groundwater monitoring and corrective action report to document results associated with additional data collection, and present progress toward selection and design of a groundwater remedy.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Semiannual Groundwater Monitoring and Corrective Action Report* for Plant Wansley AP-1 was prepared to fulfill the requirements of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10. Statistical analyses of the groundwater monitoring data for the AP-1 well network confirmed the continued presence of SSLs of beryllium in WGWC-20 and WGWC-24, cobalt in WGWC-24, and lithium in WGWC-19, WGWC-20, WGWC-21, and WGWC-28D above the corresponding GWPS.

Based on the most current data from this reporting period, as described in Section 5, the SSLs of beryllium and lithium in WGWC-20 are horizontally delineated downgradient to below the GWPS. Additionally, the SSL of beryllium in WGWC-20 is vertically delineated to below the GWPS. Evaluation of the vertical delineation of lithium in WGWC-20 and WGWC-28D is ongoing.

The groundwater flow direction in the vicinity of WGWC-24 indicates groundwater is flowing inward to AP-1 and the concentrations of beryllium and cobalt in PZ-31 are below the GWPS, indicating horizontal delineation is complete for beryllium and cobalt in WGWC-24. Groundwater data from PZ-26D also confirms vertical delineation of the beryllium and cobalt SSLs in this well.

Similarly, lithium at WGWC-21 is considered horizontally delineated based on the observed inward groundwater flow direction toward AP-1 in the vicinity of this well. Vertical delineation is currently under evaluation. However, lithium concentrations below the GWPS at WAMW-1, which is screened deeper than WGWC-21, suggest that the vertical extent of the lithium SSL at WGWC-21 is shallower than the WAMW-1 screen interval. It also appears to be isolated to the west of WAMW-1 and localized at WGWC-21, as further supported by the inward groundwater flow at this location.

The 2018 ASD and 2021 ASD Addendum presented multiple lines of evidence that illustrate that the lithium SSL identified in groundwater at WGWC-19 are associated with naturally occurring lithium within rock formations at the Site and are not originating from AP-1. On September 26, 2024, GA EPD issued a letter of nonconcurrence stating that they do not currently concur with the ASD, based on the information provided. Therefore, WAMW-1 and WAMW-2 were reassigned to vertical and horizontal assessment monitoring wells, respectively, and included in the monitoring network. Statistical analysis completed on groundwater data collected through February 2025 for WAMW-1 and WAMW-2 indicates that both horizontal and vertical delineation have been completed at WGWC-19.

In accordance with GA EPD Rule 391-3-4-.10(6) and § 257.96, Georgia Power initiated an ACM program for the Site on October 27, 2022. Georgia Power will continue to monitor AP-1 groundwater under the assessment monitoring program as aspects of the ACM program are implemented to address the Appendix IV SSLs. The next routine semiannual assessment monitoring event is scheduled for August 2025.

8.0 REFERENCES

Atlantic Coast Consulting, Inc. (ACC), 2019. *Alternate Source Demonstration – Plant Wansley Ash Pond*. January 2019.

ACC, 2020. *Statistical Analysis Method Certification – Georgia Rule 391-3-4-.10(6) and 40 CFR §257.93(f) – Plant Wansley Ash Pond (AP-1) – Georgia Power Company*. January 2020.

Driscoll, F.G., 1986. *Groundwater and Wells.* 2nd Edition, Johnson Screens, St. Paul, MN. 1986.

Environmental Resources Management (ERM), 2017. *Statistical Analysis Method Certification – 40 C.F.R. §257.93(f) – Plant Wansley Ash Pond (AP-1) – Georgia Power Company*. October 2017.

ERM, 2018. *2017 Annual Groundwater Monitoring and Corrective Action Report - Plant Wansley Ash Pond*. January 2018.

Freeze, R.A. and Cherry, J.A., 1979. *Groundwater*. Prentice-Hall, Englewood Cliffs, NJ. 1979.

Geosyntec, 2020. *Alternative Source Demonstration Addendum – Lithium – Plant Wansley Ash Pond 1 (AP-1)*. November 2020.

Geosyntec, 2021. *Alternative Source Demonstration Addendum - Lithium – Plant Wansley Ash Pond 1 (AP-1)*. February 2021.

Geosyntec, 2022. *2022 Semiannual Groundwater Monitoring and Corrective Action Report – Plant Wansley Ash Pond 1 (AP-1)*. August 2022.

Geosyntec, 2023. *Assessment of Corrective Measures Report – Plant Wansley Ash Pond 1 (AP-1)*. March 2023.

Geosyntec, 2024. *2024 Semiannual Groundwater Monitoring and Corrective Action Report – Plant Wansley Ash Pond 1 (AP-1)*. August 2024.

Geosyntec, 2025a. *Hydrogeologic Assessment Report (Revision 05) – Plant Wansley*. January 2025.

Geosyntec, 2025b. *2024 Annual Groundwater Monitoring and Corrective Action Report – Plant Wansley Ash Pond 1 (AP-1)*. January 2025.

Geosyntec, 2025c. *Well Design, Installation, and Development Report – Plant Wansley Ash Pond 1 (AP-1)*. June 2025.

Sanitas: Groundwater Statistical Software, v. 9.6.05 (2018). Sanitas Technologies©, Boulder, CO.

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

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

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

TABLES

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, 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
WGWA-1	Detection	Upgradient	1250656.10	2035580.71	780.37	782.93	663.37	653.37	129.56	PWR	10/21/2015
WGWA-2	Detection	Upgradient	1251556.40	2035590.11	755.77	758.23	665.77	655.77	102.46	PWR/Bedrock	10/16/2015
WGWA-3	Detection	Upgradient	1240848.21	2022350.10	826.63	828.91	820.23	810.23	19.08	Saprolite/Bedrock	12/15/2014
WGWA-4	Detection	Upgradient	1240879.58	2022339.66	831.33	834.34	780.43	760.43	74.31	Bedrock	01/13/2015
WGWA-6	Detection	Upgradient	1241932.02	2022360.58	894.62	897.13	822.62	792.62	104.91	Bedrock	01/13/2015
WGWA-7	Detection	Upgradient	1243338.63	2023843.81	894.49	897.33	867.69	857.69	40.04	Bedrock	12/22/2014
WGWA-18	Detection	Upgradient	1244592.56	2025580.71	875.47	878.02	848.47	838.47	39.95	Saprolite/Bedrock	12/16/2014
WGWC-8	Detection	Downgradient	1242929.40	2029644.58	777.70	780.08	730.70	720.70	59.38	Bedrock	10/29/2015
WGWC-9	Detection	Downgradient	1242801.12	2029115.75	809.33	812.03	760.93	750.93	61.50	PWR	12/04/2014
WGWC-10	Detection	Downgradient	1240971.96	2026725.61	809.61	812.38	673.61	663.61	148.77	Saprolite/PWR	10/27/2015
WGWC-11	Detection	Downgradient	1240860.18	2025773.39	821.44	823.96	783.14	773.14	51.22	Saprolite	12/08/2014
WGWC-12	Detection	Downgradient	1240827.68	2025755.99	820.57	823.04	756.57	746.57	76.47	Bedrock	10/22/2015
WGWC-13	Detection	Downgradient	1240610.93	2024585.91	807.32	809.78	734.32	714.32	95.46	Bedrock	11/04/2015
WGWC-14A	Detection	Downgradient	1240604.54	2024599.63	808.20	810.94	778.20	768.20	42.74	Saprolite/PWR	01/31/2017
WGWC-15	Detection	Downgradient	1240483.16	2023912.92	802.03	804.69	758.53	748.53	56.16	Bedrock	11/11/2015
WGWC-16	Detection	Downgradient	1240480.46	2023903.77	801.72	804.21	779.72	769.72	34.50	Saprolite/PWR	11/11/2015
WGWC-17	Detection	Downgradient	1240052.06	2022623.82	813.36	816.00	730.36	720.36	95.94	Bedrock	11/06/2015
WGWC-19	Detection	Downgradient	1241851.51	2028949.19	780.60	783.42	698.60	688.60	94.82	Bedrock	10/28/2015
WGWC-20	Detection	Downgradient	1243350.76	2029769.43	804.88	807.95	775.18	765.18	43.17	Bedrock	09/29/2020
WGWC-21	Detection	Downgradient	1242139.33	2028512.65	831.79	834.41	773.11	763.11	71.70	Bedrock	10/02/2020
WGWC-22	Detection	Downgradient	1241695.25	2028116.05	807.00	810.37	776.92	766.92	43.85	PWR/Bedrock	10/18/2020
WGWC-23	Detection	Downgradient	1240769.79	2027414.58	820.50	823.80	780.40	770.40	53.80	PWR	10/04/2020
WGWC-24	Detection	Downgradient	1239916.68	2024139.82	802.22	804.80	774.43	764.43	40.77	PWR	10/17/2020
WGWC-25	Detection	Downgradient	1240184.18	2023616.69	805.98	808.98	779.51	769.51	39.87	Saprolite/PWR	10/28/2020
WGWC-30	Detection	Downgradient	1240032.73	2022624.29	812.44	815.20	792.03	782.03	33.50	Saprolite	12/09/2024
WGWC-31D	Detection	Downgradient	1240831.55	2027168.07	811.79	814.61	734.54	724.54	90.40	Bedrock	12/09/2024
WGWC-31S	Detection	Downgradient	1240831.58	2027173.44	811.74	814.69	782.45	772.45	42.57	Saprolite/PWR	12/06/2024
WGWC-32	Detection	Downgradient	1241721.24	2028131.52	807.70	810.23	786.16	776.16	34.40	PWR	12/10/2024
WGWC-33	Detection	Downgradient	1242764.83	2029104.26	809.71	812.09	784.72	774.72	37.70	PWR	12/11/2024
WGWC-34D	Detection	Downgradient	1245303.30	2027822.22	806.31	806.04	724.21	714.21	92.15	Saprolite	03/09/2025
WGWC-34S	Detection	Downgradient	1245294.99	2027830.72	806.28	805.77	769.50	759.50	46.60	Dike Material	03/19/2025
WGWC-35D	Detection	Downgradient	1244985.87	2028140.13	806.27	806.02	698.55	688.55	117.80	Saprolite	03/06/2025
WGWC-35S	Detection	Downgradient	1244973.26	2028152.75	806.24	805.95	755.68	745.68	60.60	Dike Material	02/26/2025
WGWC-36D	Detection	Downgradient	1244524.68	2028595.96	805.81	805.56	689.79	679.79	126.10	Dike Material/Saprolite	02/24/2025
WGWC-36S	Detection	Downgradient	1244517.48	2028601.76	805.81	805.62	758.25	748.25	57.70	Dike Material	02/21/2025
WGWC-37D	Detection	Downgradient	1244304.90	2028853.29	805.77	805.24	688.69	678.69	126.95	Saprolite/PWR/Bedrock	11/01/2020
WGWC-37S	Detection	Downgradient	1244317.13	2028839.68	805.80	805.30	770.28	760.28	45.42	Dike Material	10/31/2020
WGWC-38D	Detection	Downgradient	1243855.62	2029276.99	806.37	806.15	726.72	716.72	89.75	PWR	01/31/2025
WGWC-38S	Detection	Downgradient	1243844.64	2029287.40	806.32	806.07	756.89	746.89	59.50	Dike Material	02/02/2025
WGWC-39	Detection	Downgradient	1240457.61	2025105.38	824.59	826.86	795.79	785.79	41.46	Saprolite	12/10/2014
WGWC-40	Detection	Downgradient	1240837.96	2026731.01	816.17	818.74	779.37	769.37	49.78	Saprolite	12/08/2014
WGWC-41	Detection	Downgradient	1242058.41	2028554.29	829.26	832.02	810.46	800.46	31.96	Bedrock	12/05/2014
WGWC-42	Detection	Downgradient	1243496.86	2030132.73	784.45	787.30	759.45	749.45	37.85	Saprolite	01/31/2017

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, 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-26D	Assessment	Downgradient	1239919.45	2024146.35	802.31	804.93	735.23	725.23	80.10	Bedrock	10/12/2020
WAMW-1	Assessment	Downgradient	1241843.66	2028944.63	780.05	782.66	668.40	658.40	124.60	Bedrock	09/16/2018
WAMW-2	Assessment	Downgradient	1241547.56	2028806.27	768.39	770.82	694.19	684.19	86.92	Bedrock	09/14/2018
WGWC-27	Assessment	Downgradient	1243215.51	2029878.92	778.05	780.54	749.15	739.15	41.69	Bedrock	09/27/2022
WGWC-28D	Assessment	Downgradient	1243337.13	2029751.04	805.36	808.24	609.06	599.06	209.58	Bedrock	08/18/2023
PZ-01	Piezometer	Upgradient	1240249.86	2022319.93	853.91	856.72	817.81	807.81	49.31	Bedrock	12/12/2014
PZ-04	Piezometer	Upgradient	1242592.03	2023595.91	886.13	889.01	878.93	868.93	20.48	Saprolite/Bedrock	12/22/2014
PZ-06	Piezometer	Upgradient	1244382.89	2024661.39	912.30	915.15	898.60	888.60	26.94	Bedrock	12/17/2014
PZ-08	Piezometer	Upgradient	1245514.59	2026807.30	864.65	867.29	836.85	826.85	40.84	Saprolite/Bedrock	12/15/2014
PZ-16	Piezometer	Downgradient	1239419.77	2023662.22	798.05	800.70	785.05	775.05	26.15	Saprolite	12/11/2014
PZ-17	Piezometer	Downgradient	1239270.02	2023086.50	828.54	831.01	789.84	779.84	51.57	Saprolite	12/11/2014
PZ-18	Piezometer	Downgradient	1239569.52	2022299.20	812.10	814.51	788.20	778.20	36.71	Saprolite	12/11/2014
PZ-23D	Piezometer	Downgradient	1242139.53	2028520.87	831.89	834.32	749.92	739.92	94.80	Bedrock	10/02/2020
PZ-27D	Piezometer	Downgradient	1240190.93	2023620.36	806.22	809.28	737.96	727.96	81.72	Bedrock	10/15/2020
PZ-28	Piezometer	Downgradient	1240066.02	2022624.73	813.57	816.18	753.68	743.68	72.90	Saprolite/PWR	10/29/2020
PZ-30	Piezometer	Downgradient	1240592.30	2027321.68	812.43	814.80	787.83	777.83	37.47	Saprolite/PWR	03/20/2024
PZ-31	Piezometer	Downgradient	1239941.77	2024324.33	807.86	810.90	778.96	768.96	42.45	Saprolite	03/22/2024
PZ-32D	Piezometer	Downgradient	1243211.88	2029886.45	777.14	776.74	461.74	451.74	325.30	Bedrock	10/17/2024
PZ-33D	Piezometer	Downgradient	1243211.76	2029886.78	777.14	776.74	381.74	371.74	405.30	Bedrock	10/17/2024
WGWA-5	Piezometer	Upgradient	1241997.94	2022368.85	899.28	902.15	888.88	878.88	23.66	Saprolite/PWR/Bedrock	12/23/2014
WGWC-14	Piezometer	Downgradient	1240621.86	2024584.92	806.87	809.50	764.87	754.87	54.63	PWR/Bedrock	11/05/2015
WGWC-26D	Piezometer	Downgradient	1243343.66	2029758.85	805.06	808.23	749.31	739.31	69.27	Bedrock	09/26/2022

Notes:
Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey of WGWA-1 through WGWA-18, WGWC-8 through WGWC-19, WAMW-1 and WAMW-2, and PZ-01 through PZ-20 was completed by GEL Solutions and certified June 16, 2020. Survey of WGWC-20 through WGWC-25, and PZ-23D through PZ-29D was completed by GEL Solutions and certified on November 17, 2020. Survey of WGWC-26D and WGWC-27 was completed by GEL Solutions and certified on October 13, 2022. Survey of WGWC-28D was completed by GEL Solutions and certified September 5, 2023. Survey of PZ-30 and PZ-31 was completed by GEL Solutions and certified July 1, 2024. Survey of PZ-32D and PZ-33D was completed by GEL Solutions and certified November 7, 2024. Survey of WGWC-30 through WGWC-38S was completed by Thompson Engineering and certified on April 9, 2025.
Ground surface elevation defined at the survey nail installed within the well pad.
Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
Total well depth accounts for sump if data provided on construction logs.
PZ-29D, PZ-29S, PZ-15, PZ-12, PZ-10, and PZ-20 were reclassified to detection wells WGWC-37D, WGWC-37S, and WGWC-39 though WGWC-42, respectively.
WAMW-2 was reclassified to an assessment well.

Table 2
Groundwater Sampling Event Summary
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Well ID	Hydraulic Location	Well Designation	February 10 2025 - February 13 2025	April 7 2025	June 4 2025
			Assessment Event	Supplemental Event	Supplemental Event
Georgia Power Company - Plant Wansley - Ash Pond 1					
WGWA-1	Upgradient	Detection	X		
WGWA-2	Upgradient	Detection	X		
WGWA-3	Upgradient	Detection	X		
WGWA-4	Upgradient	Detection	X		
WGWA-6	Upgradient	Detection	X		
WGWA-7	Upgradient	Detection	X		
WGWA-18	Upgradient	Detection	X		
WGWC-8	Downgradient	Detection	X		
WGWC-9	Downgradient	Detection	X		
WGWC-10	Downgradient	Detection	X		
WGWC-11	Downgradient	Detection	X		
WGWC-12	Downgradient	Detection	X		
WGWC-13	Downgradient	Detection	X		
WGWC-14A	Downgradient	Detection	X		
WGWC-15	Downgradient	Detection	X		
WGWC-16	Downgradient	Detection	X		
WGWC-17	Downgradient	Detection	X		
WGWC-19	Downgradient	Detection	X		
WGWC-20	Downgradient	Detection	X		
WGWC-21	Downgradient	Detection	X		
WGWC-22	Downgradient	Detection	X		
WGWC-23	Downgradient	Detection	X		
WGWC-24	Downgradient	Detection	X		
WGWC-25	Downgradient	Detection	X		
PZ-26D	Downgradient	Assessment	X		
WAMW-1	Downgradient	Assessment	X		
WAMW-2	Downgradient	Assessment	X		
WGWC-27	Downgradient	Assessment	X		
WGWC-28D	Downgradient	Assessment	X		
PZ-23D	Downgradient	Piezometer			X
PZ-31	Downgradient	Piezometer	X		
PZ-32D	Downgradient	Piezometer		X	
PZ-33D	Downgradient	Piezometer		X	

Notes:
X - Indicates well sampled during event
Assessment Event includes Appendix III and Appendix IV analytes.
WAMW-2 was reclassified to an assessment well.

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

		February 2025	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
WGWA-1	782.93	29.70	753.23
WGWA-2	758.23	11.03	747.20
WGWA-3	828.91	4.49	824.42
WGWA-4	834.34	7.17	827.17
WGWA-5	902.15	17.50	884.65
WGWA-6	897.13	20.40	876.73
WGWA-7	897.33	32.63	864.70
WGWA-18	878.02	19.85	858.17
WGWC-8	780.08	7.82	772.26
WGWC-9	812.03	21.45	790.58
WGWC-10	812.38	22.85	789.53
WGWC-11	823.96	29.75	794.21
WGWC-12	823.04	29.14	793.90
WGWC-13	809.78	23.37	786.41
WGWC-14A	810.94	23.81	787.13
WGWC-15	804.69	19.82	784.87
WGWC-16	804.21	19.25	784.96
WGWC-17	816.00	29.91	786.09
WGWC-19	783.42	24.48	758.94
WGWC-20	807.95	32.76	775.19
WGWC-21	834.41	51.41	783.00
WGWC-22	810.37	21.00	789.37
WGWC-23	823.80	31.62	792.18
WGWC-24	804.80	16.30	788.50
WGWC-25	808.98	18.20	790.78
WGWC-37D	805.24	28.10	777.14
WGWC-37S	805.30	23.32	781.98
WGWC-39	826.86	34.32	792.54
WGWC-40	818.74	30.26	788.48
WGWC-41	832.02	29.50	802.52
WGWC-42	787.3	22.98	764.32
PZ-26D	804.934	16.71	788.22
WAMW-1	782.66	24.45	758.21
WAMW-2	770.82	16.50	754.32
WGWC-27	780.54	14.21	766.33
WGWC-28D	808.24	35.51	772.73
PZ-01	856.72	38.75	817.97
PZ-04	889.01	18.55	870.46
PZ-06	915.15	Dry	Dry
PZ-08	867.29	29.25	838.04
PZ-16	800.7	13.50	787.20
PZ-17	831.01	39.87	791.14
PZ-18	814.51	20.58	793.93
PZ-23D	834.322	51.66	782.66
PZ-27D	809.284	20.19	789.09
PZ-28	816.181	29.31	786.87
PZ-30	814.799	23.83	790.97
PZ-31	810.903	21.93	788.97
WGWC-14	809.5	22.97	786.53
WGWC-26D	808.23	34.10	774.13

Notes:
-- = Not measured
NI = Not Installed
NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.

Table 4
Horizontal Groundwater Gradient and Flow Velocity Calculations
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Gauging Event	Well Pair	Groundwater Elevations in Well Pairs (ft)		Change in Elevation (ft)	Distance Between Well 1 and Well 2 (L) (ft)	Hydraulic Gradient (ft/ft)	Average Hydraulic Conductivity (K_h) (ft/day)	Estimated Effective Porosity (n_e)	Calculated Groundwater Flow Velocity (V) (ft/day)	Calculated Groundwater Flow Velocity (V) (ft/year)	Average Hydraulic Gradient (i) (ft/ft)	Average Groundwater Flow Velocity (V) (ft/day)
February 2025	PZ-01 to WGWC-17	817.97	786.09	31.88	362.27	0.088	0.17	0.10	0.15	54.6	0.07	0.12
February 2025	WGWC-20 to WGWC-27	775.19	766.33	8.86	175.75	0.050	0.17	0.10	0.086	31.3		

Notes:
ft = feet
ft/day = feet per day
ft/ft = feet per foot
ft/year = feet per year
K_h = Average horizontal hydraulic conductivity
In-situ hydraulic conductivity (slug) tests in the bedrock at the Site ranged from 2.4E-4 to 11.0 feet/day with an average of 1.22 feet/day and geometric mean of 0.17 feet/day.
n_e = effective porosity - A value of 10% was selected based on review of Groundwater (Freeze and Cherry, 1979).
V = groundwater flow velocity
Groundwater flow velocity equation: $V= (K^* i)/n_e$
$i = h_1-h_2/L$ = 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 Figure 3 for illustrated flow paths.
Elevations shown are referenced to datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.

Table 5
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

	Sample Location	WGWA-1	WGWA-2	WGWA-3	WGWA-4	WGWA-6	WGWA-7	WGWA-18	WGWC-8	WGWC-9	WGWC-10	WGWC-11
	Sample Date	02/10/2025	02/10/2025	02/10/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/13/2025	02/11/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	3.6	0.58	< 0.022	< 0.022
Calcium	mg/L	1.4	16	1.8	17	27	8.7	4.4	99	9.6	8.0	1.7
Chloride	mg/L	4.6	3.3	2.0	1.7	1.8	2.4	2.5	120	2.0	1.5	0.45 J
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.40	0.40	< 0.040	< 0.040
pH, Field	SU	5.4	6.44	5.25	7.58	8.01	6.08	5.74	5.23	5.86	6.27	5.54
Sulfate	mg/L	< 0.40	1.1	1.1	8.1	7.9	0.70 J	8.4	280	26	1.9	0.41 J
TDS	mg/L	37	120	34	110	120	84	46	630	140	58	35
APPENDIX IV												
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	0.0079	< 0.00034	< 0.00034
Arsenic	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	0.0012	< 0.00086	< 0.00086	< 0.00086
Barium	mg/L	0.049	0.023	0.014	0.0086 J	0.0091 J	0.011	0.014	0.0015 J	0.0018 J	0.032	0.053
Beryllium	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.0027	0.00035 J	< 0.00020	< 0.00020
Cadmium	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078
Chromium	mg/L	0.0012 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0036	< 0.0012
Cobalt	mg/L	0.00068 J	0.00034 J	< 0.00022	< 0.00022	< 0.00022	0.0017 J	0.00043 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022
Lead	mg/L	< 0.00021	< 0.00021	< 0.00021	0.0015	< 0.00021	< 0.00021	< 0.00021	0.00023 J	< 0.00021	< 0.00021	< 0.00021
Lithium	mg/L	0.0091	0.013	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0047 J	0.011	0.029	< 0.0020	< 0.0020
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080
Molybdenum	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	0.0033 J	< 0.00086	< 0.00086
Combined Radium 226 + 228	pCi/L	1.59	0.453 U	1.15	2.44	13.1	0.699	0.383 U	3.46	2.41	0.440 U	1.28
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	0.0048 J	0.0029 J	< 0.00099	< 0.00099
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.40	0.40	< 0.040	< 0.040
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	8.0	80	12	61	78	29	16	6.5	15	29	9.7
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	8.0	80	12	61	78	29	16	6.5	15	29	9.7
Iron	mg/L	< 0.012	< 0.012	< 0.012	1.0	0.29	0.17	0.050	< 0.012	< 0.012	< 0.012	< 0.012
Magnesium	mg/L	1.2	5.5	1.0	2.5	2.2	0.55	1.5	27	2.6	1.8	1.4
Manganese	mg/L	0.0086	0.032	0.0025 J	0.18	0.15	0.11	0.068	0.0076	0.023	0.015	0.0077
Potassium	mg/L	1.2	2.3	1.2	2.5	2.9	1.5	2.3	9.2	1.4	1.8	1.2
Sodium	mg/L	3.5	9.5	2.8	7.5	5.7	3.0	4.8	40	24	3.5	3.6
Sulfide	mg/L	< 0.83	< 0.81	< 0.81	< 0.82	< 0.81	< 0.89	< 0.83	< 0.83	< 0.83	< 0.89	< 0.83

Table 5
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

	Sample Location	WGWC-12	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
	Sample Date	02/11/2025	02/12/2025	02/12/2025	02/13/2025	02/12/2025	02/11/2025	02/13/2025	02/12/2025	02/13/2025	02/12/2025	02/13/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	< 0.022	< 0.022	0.027 J	< 0.022	0.56	< 0.022	< 0.022	7.4	0.12	0.32	0.024 J
Calcium	mg/L	14	3.8	0.77	30	15	5.8	13	230	64	13	4.4
Chloride	mg/L	3.7	1.3	2.4	1.1	28	1.9	3.1	380	48	4.1	3.1
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	0.72	< 0.20	< 0.040	0.058 J	< 1.0	< 0.40	< 0.080	< 0.040
pH, Field	SU	6.63	6.32	5.44	7.87	5.42	6.26	6.7	5.33	6.63	5.47	5.58
Sulfate	mg/L	13	2.6	0.45 J	13	40	3.4	3.3	470	350	66	7.3
TDS	mg/L	96	84	28	140	120	81	100	1300	610	150	140
APPENDIX IV												
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034
Arsenic	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
Barium	mg/L	0.018	0.040	0.027	0.033	0.040	0.012	0.0077 J	< 0.00089	0.0038 J	0.022	0.015
Beryllium	mg/L	< 0.00020	< 0.00020	0.00027 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.011	0.00033 J	0.00061 J	0.0016 J
Cadmium	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	0.00045 J	< 0.000078	0.00011 J	< 0.000078
Chromium	mg/L	< 0.0012	0.0017 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0017 J
Cobalt	mg/L	0.00033 J	0.00029 J	0.0015 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	0.00022 J
Lead	mg/L	< 0.00021	0.00022 J	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	0.0020
Lithium	mg/L	0.0032 J	< 0.0020	< 0.0020	0.0052	0.0024 J	0.0034 J	0.060	0.14	0.065	0.0069	< 0.0020
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080
Molybdenum	mg/L	< 0.00086	0.0013 J	< 0.00086	0.0023 J	< 0.00086	0.0023 J	0.0014 J	0.00087 J	0.027	< 0.00086	< 0.00086
Combined Radium 226 + 228	pCi/L	0.892	0.589	0.968	1.11	1.14	0.639 U	0.187 U	1.12	1.70	4.31	1.31 U
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	0.0026 J	< 0.00099	0.0030 J	0.0031 J
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	0.72	< 0.20	< 0.040	0.058 J	< 1.0	< 0.40	< 0.080	< 0.040
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	44	32	11	97	11	47	80	8.9	96	21	26
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	44	32	11	97	11	47	80	8.9	96	21	26
Iron	mg/L	2.1	0.064	0.014 J	0.016 J	0.046 J	0.088	0.046 J	< 0.012	0.059	0.036 J	0.21
Magnesium	mg/L	3.0	0.57	0.71	4.9	5.4	3.4	9.8	50	7.5	3.4	0.77
Manganese	mg/L	0.011	0.0025 J	0.038	0.017	0.011	0.0095	0.011	0.46	0.16	0.0078	0.019
Potassium	mg/L	2.0	1.8	1.7	1.4	2.1	1.4	1.4	6.3	2.8	5.2	2.7
Sodium	mg/L	5.9	9.4	3.6	8.7	8.4	8.8	8.2	45	160	19	13
Sulfide	mg/L	< 0.89	< 0.81	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.81	< 0.83	< 0.83	< 0.89

Table 5
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

	Sample Location	WGWC-24	WGWC-25	PZ-26D	WAMW-1	WAMW-2	WGWC-27	WGWC-28D	PZ-31	PZ-32D	PZ-33D	PZ-23D
	Sample Date	02/13/2025	02/12/2025	02/13/2025	02/12/2025	02/12/2025	02/12/2025	02/12/2025	2/13/2025	4/7/2025	4/7/2025	6/4/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.94	0.36	0.078 J	0.58	< 0.022	0.19	9.9	0.040	7.2	3.3	0.38
Calcium	mg/L	20	31	13	16	25	16	340	1.6	340	310	33
Chloride	mg/L	19	24	16	32	2.9	26	470	4.8	700	530	11
Fluoride	mg/L	< 0.20	< 0.20	< 0.080	< 0.20	0.13	< 0.080	< 4.0	< 0.040	< 2.0	< 2.0	2.8
pH, Field	SU	4.49	6.19	6.4	7.45	6.41	6.02	6.64	5.17	7.36	7.83	6.59
Sulfate	mg/L	79	17	24	37	4.1	27	300	0.62 J	440	330	< 0.81
TDS	mg/L	160	170	150	130	140	160	2000	38	1700	1500	190
APPENDIX IV												
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	NA	NA	NA
Arsenic	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	NA	NA	NA
Barium	mg/L	0.051	0.19	0.017	0.041	0.0093 J	0.0034 J	0.011	0.059	NA	NA	NA
Beryllium	mg/L	0.0055	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.0011 J	0.0020 J	0.00051 J	NA	NA	NA
Cadmium	mg/L	0.00018 J	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	NA	NA	NA
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	0.0012 J	< 0.0012	< 0.0012	< 0.0012	<0.0012	NA	NA	NA
Cobalt	mg/L	0.039	0.0085	0.0011 J	< 0.00022	0.0010 J	0.0020 J	0.00024 J	0.0016 J	NA	NA	NA
Lead	mg/L	0.00050 J	0.00065 J	0.0010	< 0.00021	< 0.00021	< 0.00021	< 0.00021	0.00070 J	NA	NA	NA
Lithium	mg/L	0.0034 J	< 0.0020	0.024	< 0.0020	0.035	0.026	0.19	< 0.0020	0.14	0.091	0.065
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	NA	NA	NA
Molybdenum	mg/L	< 0.00086	< 0.00086	0.0027 J	< 0.00086	0.0023 J	< 0.00086	0.0088 J	< 0.00086	NA	NA	NA
Combined Radium 226 + 228	pCi/L	0.801	1.43	0.648	0.557	0.800	5.08	7.79	0.714	NA	NA	NA
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	NA	NA	NA
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	NA	NA	NA
Fluoride	mg/L	< 0.20	< 0.20	< 0.080	< 0.20	0.13	< 0.080	< 4.0	< 0.040	< 2.0	< 2.0	2.8
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	< 5.0	90	54	12	110	27	43	10	86	75	69
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	< 5.0	90	54	12	110	27	43	10	86	75	69
Iron	mg/L	< 0.012	3.6	0.13	0.023 J	0.044 J	0.50	0.48	0.12	4.6	3.0	NA
Magnesium	mg/L	4.4	8.7	2.7	5.4	8.3	2.7	62	1.6	54	34	NA
Manganese	mg/L	1.3	1.3	0.027	0.010	0.12	0.26	1.0	0.11	5.2	2.2	NA
Potassium	mg/L	6.8	5.1	1.7	2.2	1.5	1.8	42	1.7	7.0	3.4	NA
Sodium	mg/L	7.6	6.9	22	8.9	8.8	13	120	2.4	73	46	NA
Sulfide	mg/L	< 0.83	< 0.83	< 0.89	< 0.81	< 0.83	< 0.83	1.5	< 0.83	< 0.83	< 0.81	NA

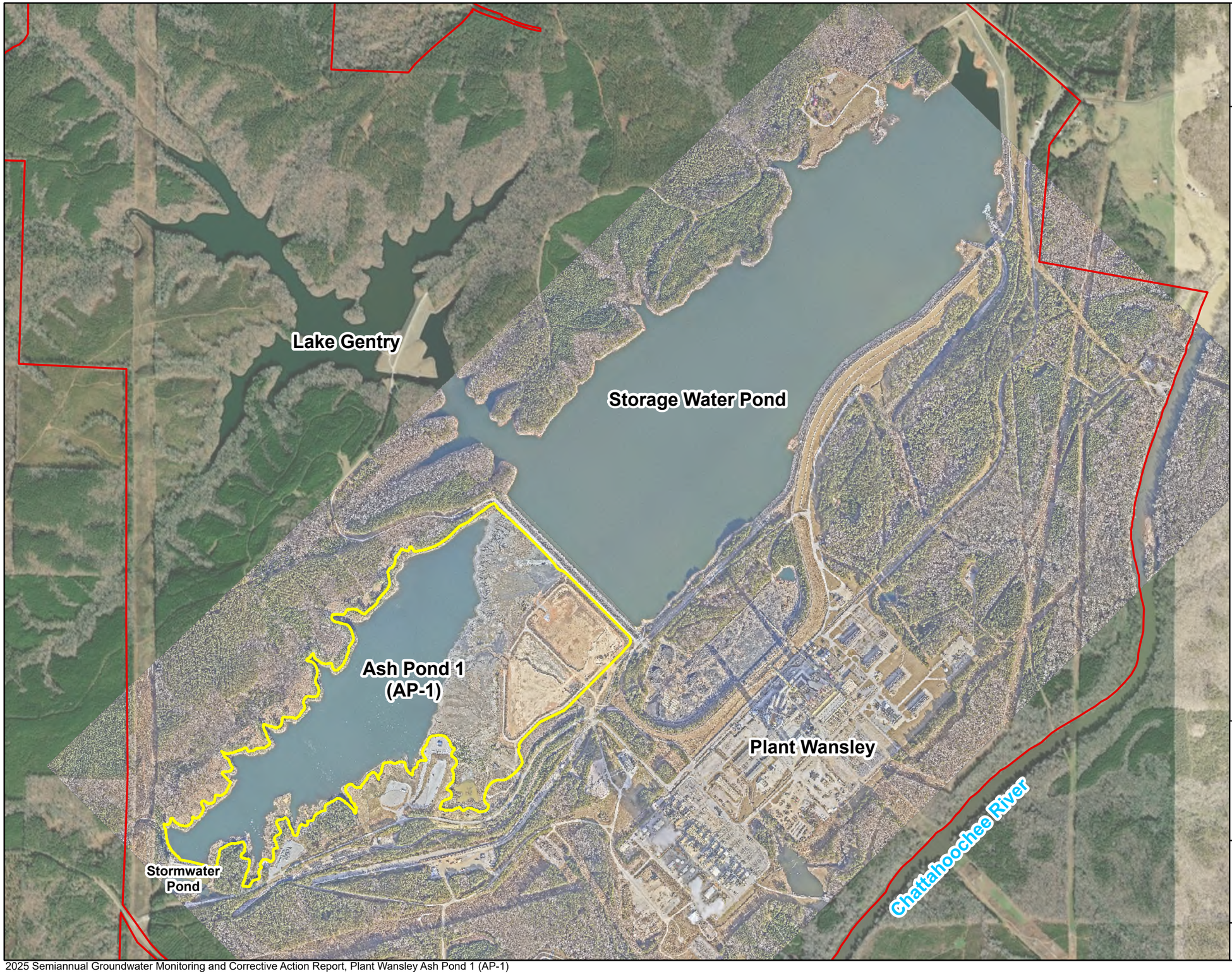
Notes:
mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
* = WGWA-5 was reclassified from a detection monitoring well to a piezometer due to internal well damage, and therefore will no longer be sampled during semiannual assessment monitoring events.
< 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.
H - Sample analysis performed beyond the recognized method holding time.
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.
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.
The pH value presented was recorded at the time of sample collection in the field.

Table 6
Summary of Background Concentrations and
Groundwater Protection Standards
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Analyte	Units	MCL	CCR-Rule Specified GWPS	Background February 2025	State Derived Site AP1 GWPS February 2025
Antimony	mg/L	0.006	N/A	0.0022	0.006
Arsenic	mg/L	0.010	N/A	0.0014	0.01
Barium	mg/L	2	N/A	0.062	2
Beryllium	mg/L	0.004	N/A	0.0025	0.004
Cadmium	mg/L	0.005	N/A	0.0025	0.005
Chromium	mg/L	0.1	N/A	0.0063	0.1
Cobalt	mg/L	N/A	0.006	0.0066	0.0066
Combined Radium 226 + 228	pCi/L	5	N/A	13.1	13.1
Fluoride	mg/L	4.0	N/A	0.28	4
Lead	mg/L	N/A	0.015	0.0015	0.015
Lithium	mg/L	N/A	0.04	0.013	0.04
Mercury	mg/L	0.002	N/A	0.0002	0.002
Molybdenum	mg/L	N/A	0.1	0.015	0.1
Selenium	mg/L	0.05	N/A	0.005	0.05
Thallium	mg/L	0.002	N/A	0.001	0.002

Notes:
CCR - Coal Cumbustion Residuals
GWPS - Groundwater Protection Standard
MCL - Maximum Contaminant Level
mg/L = miliigrams per liter
N/A = Not Applicable
pCi/L = picocuries per liter
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).
Under existing EPD rules, the GWPS is: (i) the MCL or RSL, (ii) where the MCL or RSL is not established, the background concentration, or (iii) background levels for constituents where the background level is higher than the MCL or RSL.

FIGURES



N

Legend

Approximate Property Boundary

Approximate AP-1 Boundary



Note:
1. Service Layer Credit Sources:
 - Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
 - Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 700 1,400 2,800

SCALE IN FEET

SITE LOCATION MAP

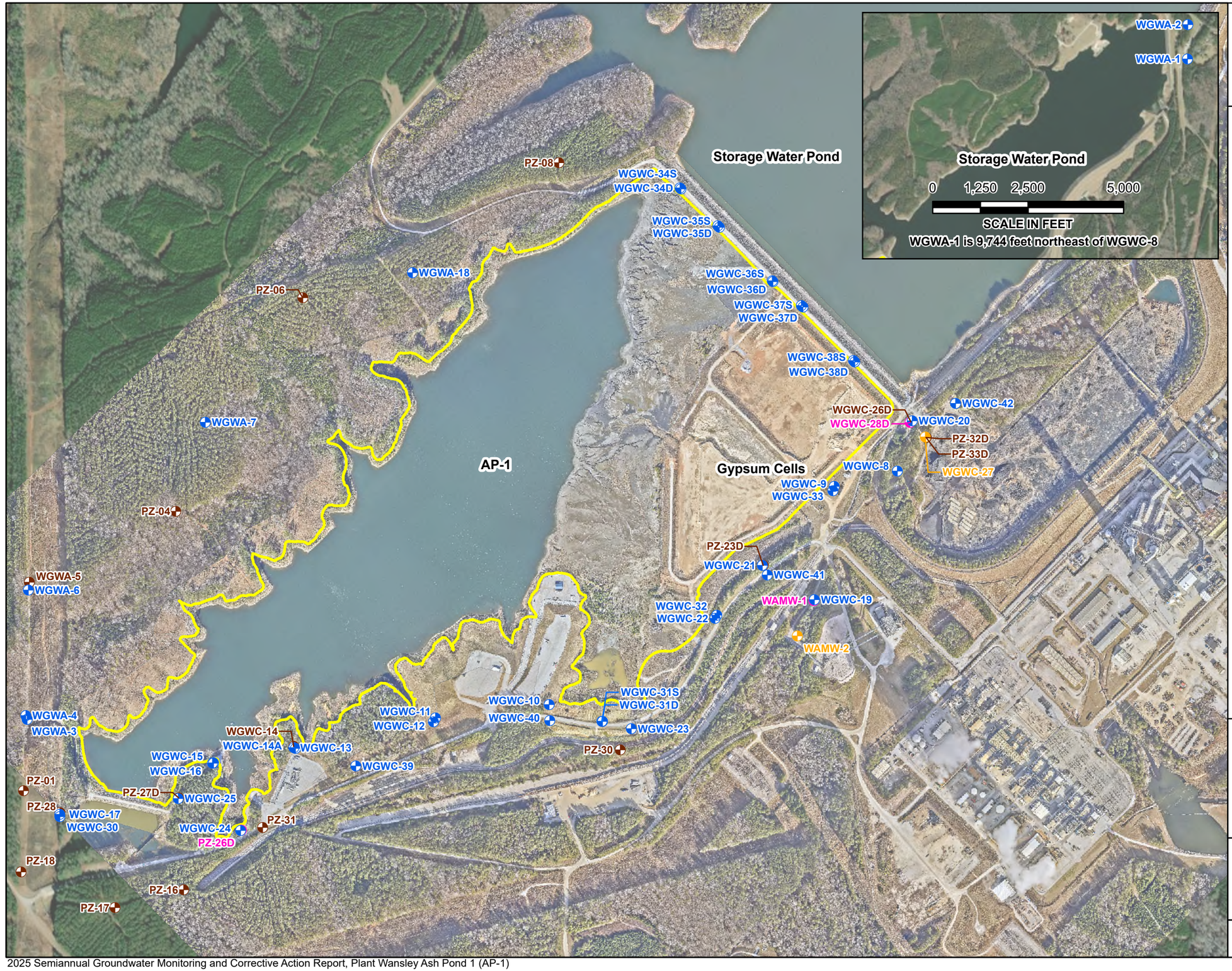
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | AUGUST 2025

FIGURE 1



N

Legend

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Approximate AP-1 Boundary

Notes:
1. Detection Monitoring Wells WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were installed December 2024. WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were installed between January and March 2025, following the semiannual monitoring event.
2. WGWC-37D (PZ-29D), WGWC-37S (PZ-29S), WGWC-39 (PZ-15), WGWC-40 (PZ-12), WGWC-41 (PZ-10), and WGWC-42 (PZ-20) were renamed and reclassified Detection Monitoring Wells.
3. Service Layer Credit Sources:
 - Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
 - Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 400 800 1,600
SCALE IN FEET

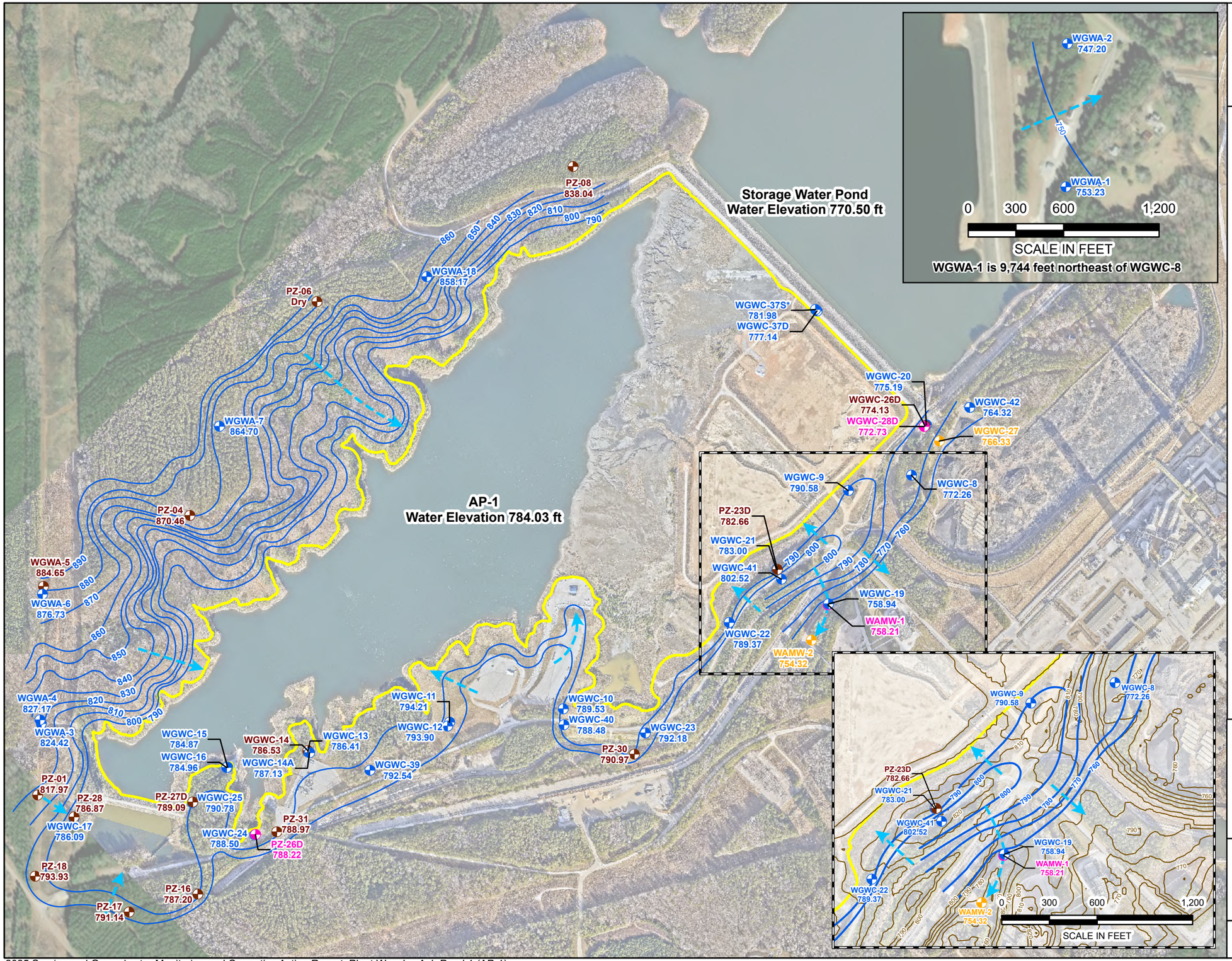
GROUNDWATER MONITORING WELL NETWORK MAP

GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, 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
- Approximate Groundwater Flow Direction
- Topographic Elevation Contour (10ft NAVD 88)
- Approximate AP-1 Boundary

DALTON C. KEGLEY
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 002486

Notes:
1. Water level elevation recorded on February 10, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
2. * indicates piezometer WGWC-37S is installed within the dike materials and may not be representative of actual groundwater conditions.
3. Service Layer Credit Sources:
 - Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
 - Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

POTENTIOMETRIC SURFACE CONTOUR MAP - FEBRUARY 2025

GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | AUGUST 2025

FIGURE 3

APPENDIX A

Well Design, Installation, and Development Reports, Plant Wansley Ash Pond 1 (AP-1)

Prepared for

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

WELL DESIGN, INSTALLATION, AND DEVELOPMENT REPORT

PLANT WANSLEY ASH POND 1 (AP-1)

Prepared by

Geosyntec consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW11293

June 2025

Georgia Power

CERTIFICATION PAGE

I hereby certify that this *Well Design, Installation, and Development Report – Plant Wansley AP-1* 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: June 02, 2025
Joseph Ivanowski, P.G.
Georgia Professional Geologist No. 2140
Principal Geologist
Geosyntec Consultants

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

LIST OF ACRONYMS

AP	Ash Pond
ACC	Atlantic Coast Consulting
ASTM	American Society for Testing and Materials
CCR	coal combustion residuals
CFR	Code of Federal Regulations
DO	dissolved oxygen
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
NAD	North America Datum
NAVD	North American Vertical Datum
NSF	National Sanitation Foundation
ORP	oxygen reduction potential
PVC	polyvinyl chloride
TOC	top of casing
SPT	Standard Penetration Test
US EPA	United States Environmental Protection Agency

1. INTRODUCTION

This report provides details regarding the design, installation, and development of thirteen (13) detection monitoring wells[1] (WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, WGWC-33,WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D, and WGWC-38S) and the redevelopment of six (6) existing piezometers (PZ-29D, PZ-29S, PZ-15, PZ-12, PZ-10, and PZ-20) to be reclassified as detection monitoring wells[1] (WGWC-37D, WGWC-37S, WGWC-39, WGWC-40, WGWC-41, and WGWC-42), respectively, at Georgia Power Company (Georgia Power) Plant Wansley (Site) Ash Pond 1 (AP-1).

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

Plant Wansley is located in Heard and Carroll counties near Carrollton, Georgia. The current groundwater monitoring system at AP-1 includes a network of detection monitoring wells, assessment monitoring wells, and piezometers. The locations of the new detection monitoring wells are shown on **Figure 1**.

[1] For the purposes of this report, unless otherwise specified, the term “well” will be used interchangeably with “piezometer”.

2. DRILLING AND WELL INSTALLATION

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

These wells were installed and completed between December 2024 and March 2025. The locations of the wells are shown on **Figure 1**. Well construction details are provided in **Table 1** and boring and well construction data are included in **Appendix B**.

2.1 Drilling Method

The boreholes for WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were advanced using rotasonic drilling techniques with continuous core collection. A track mounted Terra Sonic 150 drill rig was used to install the borings for the wells, using a nominal 6-inch outer drill casing and a 4-inch diameter core barrel.

The boreholes for WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were advanced using mud rotary drilling techniques using Standard Penetration Tests (SPT) with split spoon sampling. Thompson Engineering utilized a track mounted CME-550X drill rig, using a nominal 6-inch diameter outer drill casing.

Care was taken so that the drilling methods did not introduce contamination of the groundwater from surface activities.

2.2 Screened Interval

Details regarding the wells' screened intervals are provided in **Table 1**. The wells are screened from approximately 792.44 to 679.81 feet elevation [referenced to the North

American Vertical Datum of 1988 (NAVD 88)]. Each well was 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 screen with 0.010-inch slots. The casings and screens arrived pre-cleaned and packaged by the manufacturer. The U-Pack screens were constructed onsite by packing sand between slotted PVC and the screen. Well construction materials are sufficiently durable to resist chemical and physical degradation and do not interfere with the quality of the groundwater. Casing and screens are flush-threaded. Solvent or glue was not used to construct the wells. The wells were completed with a 4-inch-long PVC sump 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 piezometer screening 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 gauging and, if applicable, 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 wells. The 0.010-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 Southern Products and Silica Co. 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 1.5 or less.

Filter pack material was placed within the U-Pack well screens 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 done via gravity-pouring. Filter pack material

placed in the annular space outside of the screen extended a minimum of two (2) feet above the top of screen. No bridging occurred during filter pack placement. The depth of the top of filter pack was measured and recorded on the well construction logs provided in **Appendix B**.

2.6 Annular Seal

A minimum of two feet of bentonite pellets (Pel-Plug time-release-coated 3/8-inch bentonite pellets) was placed immediately above each filter pack by gravity-pouring into the annular space and hydrated per manufacturer's specifications. A weighted tag line was used to probe the annular space to ensure that no bridging occurred.

The annulus above the bentonite seal for WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, WGWC-33, WGWC-34S, WGWC-35S, WGWC-36S, and WGWC-38S was grouted with either AQUAGUARD® bentonite or a cement/bentonite grout placed via tremie pipe in multiple lifts (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.

The annulus above the bentonite seal for WGWC-34D, WGWC-35D, WGWC-36D, and WGWC-37D was filled with bentonite chips to above the anticipated screen interval of the adjacent shallow well pair by gravity-pouring into the annular space and hydrating per manufacturer's specifications. A weighted tag line was used to probe the annular space to ensure that no bridging occurred. Once hydrated, the annulus above the bentonite chips was grouted with a cement/bentonite grout placed via tremie pipe in multiple lifts (initial grouting) and direct pour methods (for topping off). During grouting, care was taken to assure that the bentonite chips were not disturbed by locating the base of the tremie pipe approximately 2 feet above the bentonite chips and injecting grout at low pressure/velocity.

A cement apron 4-feet by 4-feet by 4-inches was poured around the well vault. The pad was mounded slightly outward to direct surface drainage away from the wells.

2.7 Cap and Protective Casing

The well risers for WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were completed as stick-up locations 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 pad 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.

WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were installed within a flush-mounted well vault and watertight flush-mounted well cover. The wells were clearly marked with the proper well identification number on a secured aluminum well tag on the manhole cover.

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

3. WELL DEVELOPMENT

Thirteen (13) newly installed wells (WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, WGWC-33,WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D, and WGWC-38S) were developed by either Atlantic Coast Consulting (ACC) or Geosyntec 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 the well was fully developed, and field parameters were stabilized. Monitoring well WGWC-31D purges dry prior to being fully developed and will continue to be evaluated regarding further development and sampling efforts. The development field forms provided by ACC and Geosyntec are included in **Appendix C**.

Six (6) existing piezometers (PZ-29D, PZ-29S, PZ-15, PZ-12, PZ-10, and PZ-20) will be reclassified as detection monitoring wells (WGWC-37D, WGWC-37S, WGWC-39, WGWC-40, WGWC-41, and WGWC-42), respectively. To support this transition, these piezometers were redeveloped by 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 piezometers 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 the well was fully developed, and field parameters were stabilized. The development field forms provided by ACC are included in **Appendix C**. The locations of these piezometers are shown on **Figure 1**. Well construction details are provided in **Table 1**. The boring and well construction data for these wells can be found within their respective original well installation reports.

4. SURVEY

Upon completion of the well installation, horizontal locations and vertical elevations of the newly installed detection monitoring wells were surveyed by Thompson Engineering, a Georgia-licensed surveyor and certified on April 9, 2025. The top of the PVC casing [top of casing (TOC) elevation] and the survey pin installed at the well pad were surveyed to within 0.5-foot horizontal accuracy and to 0.01-foot vertical accuracy. The horizontal location (i.e., northing and easting) 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 (NAVD). Certified survey data is provided in the well construction table (**Table 1**). A copy of the certified survey data for the newly installed detection monitoring wells is provided in **Appendix D.** Certified survey data for the reclassified locations is referenced from the respective original well installation reports.

5. REFERENCES

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

United States Environmental Protection Agency. 2015a. 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

TABLE

Table 1
Summary of Well Construction Details
Plant Wansley AP-1
Heard and Carroll Counties, Georgia

Well ID	Previous Well ID	Location	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 btoc) [3]
Newly Installed Detection Monitoring Wells										
WGWC-30	--	Downgradient	12/9/2024	1240032.73	2022624.29	812.44	815.20	792.03	782.03	33.50
WGWC-31D	--	Downgradient	12/9/2024	1240831.55	2027168.07	811.79	814.61	734.54	724.54	90.40
WGWC-31S	--	Downgradient	12/6/2024	1240831.58	2027173.44	811.74	814.69	782.45	772.45	42.57
WGWC-32	--	Downgradient	12/10/2024	1241721.24	2028131.52	807.70	810.23	786.16	776.16	34.40
WGWC-33	--	Downgradient	12/11/2024	1242764.83	2029104.26	809.71	812.09	784.72	774.72	37.70
WGWC-34D	--	Downgradient	3/9/2025	1245303.30	2027822.22	806.31	806.04	724.22	714.22	92.15
WGWC-34S	--	Downgradient	3/19/2025	1245294.99	2027830.72	806.28	805.77	769.50	759.50	46.60
WGWC-35D	--	Downgradient	3/6/2025	1244985.87	2028140.13	806.27	806.02	698.55	688.55	117.80
WGWC-35S	--	Downgradient	2/26/2025	1244973.26	2028152.75	806.24	805.95	755.68	745.68	60.60
WGWC-36D	--	Downgradient	2/24/2025	1244524.68	2028595.96	805.81	805.56	689.79	679.79	126.10
WGWC-36S	--	Downgradient	2/21/2025	1244517.48	2028601.76	805.81	805.62	758.25	748.25	57.70
WGWC-38D	--	Downgradient	1/31/2025	1243855.62	2029276.99	806.37	806.15	726.73	716.73	89.75
WGWC-38S	--	Downgradient	2/2/2025	1243844.64	2029287.40	806.32	806.07	756.90	746.90	59.50
Reclassified Locations										
WGWC-37D	PZ-29D	Downgradient	11/1/2020	1244304.90	2028853.29	805.77	805.24	688.69	678.69	126.95
WGWC-37S	PZ-29S	Downgradient	10/31/2020	1244317.13	2028839.68	805.80	805.30	770.28	760.28	45.42
WGWC-39	PZ-15	Downgradient	12/10/2014	1240457.61	2025105.38	824.59	826.86	795.79	785.79	41.46
WGWC-40	PZ-12	Downgradient	12/08/2014	1240837.96	2026731.01	816.17	818.74	779.37	769.37	49.78
WGWC-41	PZ-10	Downgradient	12/05/2014	1242058.41	2028554.29	829.26	832.02	810.46	800.46	31.96
WGWC-42	PZ-20	Downgradient	01/31/2017	1243496.86	2030132.73	784.45	787.30	759.45	749.45	37.85

Notes:
AP = ash pond
ID = identification
ft = feet
btoc = below top of casing
(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey of the newly installed detection monitoring wells was completed by Thompson Engineering and certified April 9, 2025.
Survey data for reclassified locations is referenced from applicable original well installation reports.
(2) Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988. Ground surface elevation defined at the survey nail installed within the well pad.
(3) Total well depth accounts for 4-inch sump.

FIGURE



N

Legend

- Newly Installed Detection Monitoring Well (2024 to 2025)
- Reclassified Detection Monitoring Well
- Approximate AP-1 Boundary

Notes:
1. Detection Monitoring Wells WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were installed December 2024. WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were installed between January and March 2025.
2. Service Layer Credit Sources:
 - Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
 - Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 400 800 1,600

SCALE IN FEET

GROUNDWATER MONITORING WELL NETWORK MAP

GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | JUNE 2025

FIGURE 1

APPENDIX A

Well Driller Performance Bonds

CONTINUATION
CERTIFICATE

Atlantic Specialty Insurance Company , Surety upon

a certain Bond No. 800033976

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

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

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

does hereby continue said bond in force for the further period

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

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

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

Description of bond Performance Bond for Water Well Contractors

Premium:

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

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

Atlantic Specialty Insurance Company

By _____
ATTORNEY-IN-FACT Carlos A. Albelo

intact INSURANCE

Power of Attorney

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

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

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

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

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

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

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Sarah A. Kolar, General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

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

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

_____
Notary Public

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

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

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

This Power of Attorney expires
January 31, 2025

_____
Kara Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

WESTERN SURETY COMPANY • ONE OF AMERICA'S OLDEST BONDING COMPANIES

Western Surety Company

CONTINUATION CERTIFICATE

Western Surety Company hereby continues in force Bond No. 30108535

briefly described as Drilling for State of Georgia

bound unto State of Georgia,

for Thompson Engineering, Inc.

, as Principal,

in the sum of $ Fifteen Thousand and 00/100 Dollars, for the term beginning

June 30th, 2023, and ending June 30th, 2025, subject to all

the covenants and conditions of the original bond referred to above.

This continuation is issued upon the express condition that the liability of Western Surety Company under said Bond and this and all continuations thereof shall not be cumulative and shall in no event exceed the total sum above written.

Dated this 11th day of May, 2023.

WESTERN SURETY COMPANY

By _____
Larry Kasten,
Vice President

WESTERN SURETY COMPANY CORPORATE SEAL SOUTH DAKOTA

THIS "Continuation Certificate" MUST BE FILED WITH THE ABOVE BOND.

Form 90-A-8-2012

WESTERN SURETY COMPANY • ONE OF AMERICA'S OLDEST BONDING COMPANIES

Western Surety Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That WESTERN SURETY COMPANY, a corporation organized and existing under the laws of the State of South Dakota, and authorized and licensed to do business in the States of Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, and the United States of America, does hereby make, constitute and appoint

Larry Kasten of Sioux Falls,
State of South Dakota, its regularly elected Vice President,
as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, the following bond number: 30108535

One Drilling for State of Georgia

bond bound unto State of Georgia

for Thompson Engineering, Inc.
as Principal in the penalty amount not to exceed: $15,000.00.

Western Surety Company further certifies that the following is a true and exact copy of Section 7 of the by-laws of Western Surety Company duly adopted and now in force, to-wit:

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

In Witness Whereof, the said WESTERN SURETY COMPANY has caused these presents to be executed by its Vice President with the corporate seal affixed this 11th day of May, 2023.

ATTEST

L. Bauder, Assistant Secretary

WESTERN SURETY COMPANY

By

Larry Kasten, Vice President

WESTERN SURETY COMPANY CORPORATE SEAL SOUTH DAKOTA

STATE OF SOUTH DAKOTA }
COUNTY OF MINNEHAHA } ss

On this 11th day of May, 2023, before me, a Notary Public, personally appeared Larry Kasten and L. Bauder who, being by me duly sworn, acknowledged that they signed the above Power of Attorney as Vice President and Assistant Secretary, respectively, of the said WESTERN SURETY COMPANY, and acknowledged said instrument to be the voluntary act and deed of said Corporation.

M. BENT NOTARY PUBLIC SOUTH DAKOTA SEAL SEAL

M. Bent

Notary Public

My Commission Expires March 2, 2026

To validate bond authenticity, go to www.cnasurety.com > Owner/Obligee Services > Validate Bond Coverage.

Form F1975-11-2022

APPENDIX B

Boring and Well Construction Logs

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BORING AND WELL LOG LEGEND

LITHOLOGY	WATER LEVEL	WELL/BORING COMPLETION	Sample Type	Date & Time	Blow Counts	Recovery	SOIL/ROCK VISUAL DESCRIPTION	PID (ppm)	Lab Sample
							ASPHALT		
							CONCRETE		
							FILL		
							TOPSOIL		
							COBBLES		
							IGNEOUS Rock		
							METAMORPHIC Rock		
							SEDIMENTARY Rock		
							PARTIALLY WEATHERED Rock (PWR) / SAPROLITE		
							Well-graded GRAVEL (GW)		
							Poorly graded GRAVEL (GP)		
							Silty GRAVEL (GM)		
							Clayey GRAVEL (GC)		
							Well-graded GRAVEL with silt (GW-GM)		
							Poorly graded GRAVEL with silt (GP-GM)		
							Well-graded GRAVEL with clay (GW-GC)		
							Poorly graded GRAVEL with clay (GP-GC)		
							Well-graded SAND (SW)		
							Poorly graded SAND (SP)		
							Silty SAND (SM)		
							Clayey SAND (SC)		
							Well-graded SAND with silt (SW-SM)		
							Poorly graded SAND with silt (SP-SM)		
							Well-graded SAND with clay (SW-SC)		
							Poorly graded SAND with clay (SP-SC)		
							SILT (ML)		
							Elastic SILT (MH)		
							Lean CLAY (CL)		
							Sandy Lean CLAY (CL)		
							Gravelly Lean CLAY (CL)		
							Fat CLAY (CH)		
							Sandy Fat CLAY (CH)		
							Gravelly Fat CLAY (CH)		
							Organic SOIL (OL)		
							Organic SOIL (OH)		
							PEAT (PT)		
							Percentage Ranges: Trace <5%; Few 5-10%; Little 15-25%; Some 30-45%; Mostly >=50%		
	▽ ▼						Water Level During Drilling Water Level at End of Drilling/in Completed Well		
							Cap Riser Screen Cement Grout Bentonite Seal Filter Pack Backfill		
			GR EN SS CM ST CO DP				Grab Encore Split Spoon Cal Mod Shelby Tube Core Barrel Direct Push		
							PID Reading | Lab Sample ID (soil | water)	0.0	SB-1@2.5

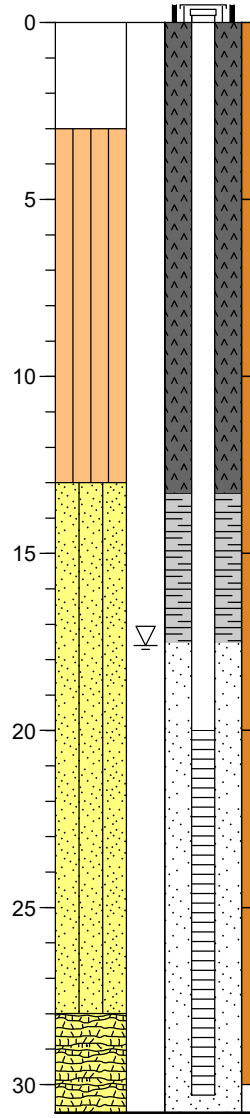
NOTES:

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-30
Page: 1 of 1

Drilling Start Date:	**12/9/2024**	Boring Depth (ft):	**30.8**	Well Depth (ft bgs):	**30.74**
Drilling End Date:	**12/9/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**20.36**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**812.44**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**815.20**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1240032.73, 2022624.29**	Filter Pack:	**#20/40 Sand**



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
0	CB	--	90	--	(0') No Sample - Hand Auger.	810
5	CB	--	80	--	(3') Clayey SILT (ML); reddish-brown (5YR 6/8) with mottling, moist, soft.	805
10	CB	--	76	--	(7') Clayey SILT (ML); pale brown (10YR 7/6), moist, soft, trace sand increasing with depth.	800
15	CB	--	100	--	(13') Silty SAND (SM); pale brown (10YR 7/6), dry/moist, fine to medium grained.	795
20	CB	--	82	--		790
25	CB	--	78	--	(28') SAPROLITE; pale brown (10YR 7/6), dry/moist, recovered as silty fine to medium grained sand (relict rock structure).	785
30					(30.8') Boring terminated.	

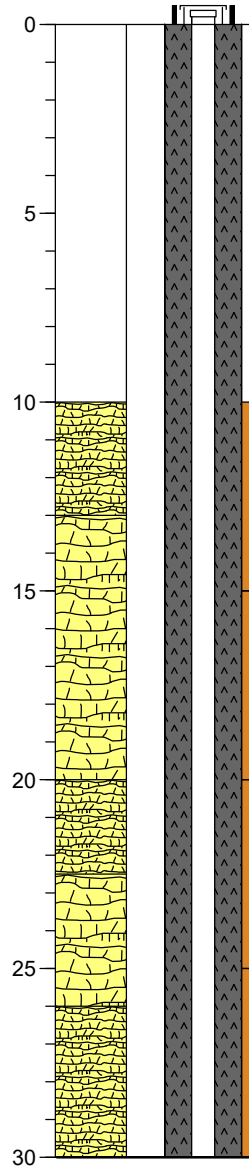
NOTES: Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.76 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-31D
Page: 1 of 3

Drilling Start Date:	12/6/2024	Boring Depth (ft):	90	Well Depth (ft bgs):	87.58
Drilling End Date:	12/9/2024	Boring Diameter (in):	4x6	Well Diameter (in):	2
Drilling Company:	Cascade Drilling	Sampling Method(s):	Core Barrel	Screen Slot (in):	0.010
Drilling Method:	Sonic	Depth to Water (ft btoc):	79.73	Riser Material:	Sch 40 PVC
Drilling Equipment:	Terrasonic TSI-150	Ground Surface Elev. (ft):	811.79	Screen Material:	Sch 40 PVC U-Pack
Driller:	C. Franklin	Top of Casing Elev. (ft):	814.61	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1240831.55, 2027168.07	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
0					(0') Hydrovac excavation. No sample.	810
5						805
10	CB	--	100	--	(10') SAPROLITE; pale brown (7.5YR 7/4), dry.	800
15	CB	--	100	--	(13') PARTIALLY WEATHERED ROCK; brown (7.5YR 8/3), dry, relict rock fragments.	795
20	CB	--	80	--	(20') SAPROLITE; pale brown (7.5YR 7/4), dry, pulverized down to silt.	790
25	CB	--	72	--	(22.5') PARTIALLY WEATHERED ROCK; light brown-gray (7.5YR 8/1), moist. (26') SAPROLITE; brown (7.5YR 7/4), dry, white laminations and oxidized fractures.	785
30						

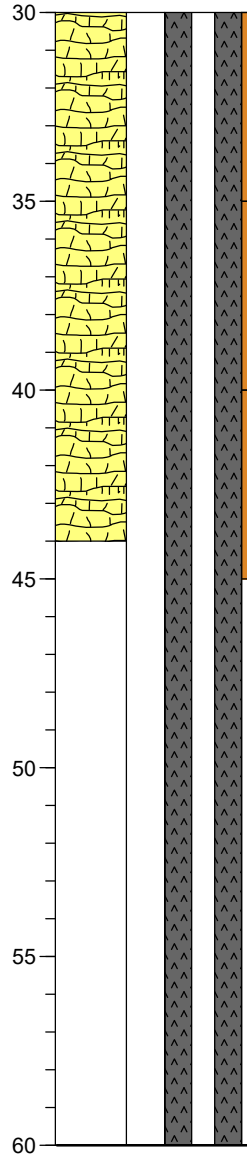
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.87 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-31D
Page: 2 of 3

Drilling Start Date:	**12/6/2024**	Boring Depth (ft):	**90**	Well Depth (ft bgs):	**87.58**
Drilling End Date:	**12/9/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**79.73**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**811.79**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**814.61**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1240831.55, 2027168.07**	Filter Pack:	**#20/40 Sand**



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30	CB	--	100	--	(30') PARTIALLY WEATHERED ROCK; brown-red-yellowish (7.5YR 8/6), moist/wet, loose-firm, pulverized.	780
35	CB	--	90	--	(35') PARTIALLY WEATHERED ROCK; red-gray (7.5YR 8/3), moist, rock fragments, oxidized.	775
40	CB	--	90	--		770
45					(44') Pulverized material recovered as sand (<1 foot recovery). **REMARK:** No recovery. Top of rock; bag was mostly water with some sand and rock fragments from 44-50 ft bgs.	765
50					(50') No recovery.	760
55						755
60						

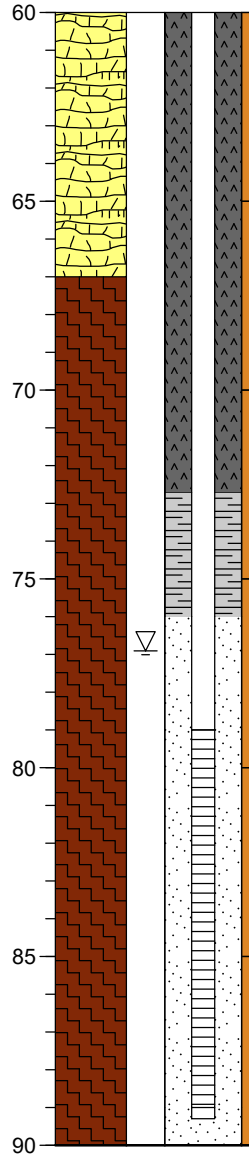
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.87 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-31D
Page: 3 of 3

Drilling Start Date:	**12/6/2024**	Boring Depth (ft):	**90**	Well Depth (ft bgs):	**87.58**
Drilling End Date:	**12/9/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**79.73**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**811.79**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**814.61**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1240831.55, 2027168.07**	Filter Pack:	**#20/40 Sand**



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
60	CB	--	90	--	(60') PARTIALLY WEATHERED ROCK; brown-gray (7.5YR 8/3), wet, relict rock, gneiss fragments, heavily oxidized.	750
65	CB	--	80	--	(67') GNEISS; pink-gray (7.5YR 6/2), dry, hard, foliated, highly fractured, some oxidation present.	745
70	CB	--	100	--	(70') GNEISS; pink-gray (7.5YR 6/2), dry with few wet zones, hard, fractured, oxidation marks on some fractures.	740
75	CB	--	100	--		735
80	CB	--	60	--	(80') GNEISS; pink-gray (7.5YR 6/2), hard, fragmented with some large pieces, some oxidation marks.	730
85	CB	--	60	--		725
90					(90') Boring terminated.	

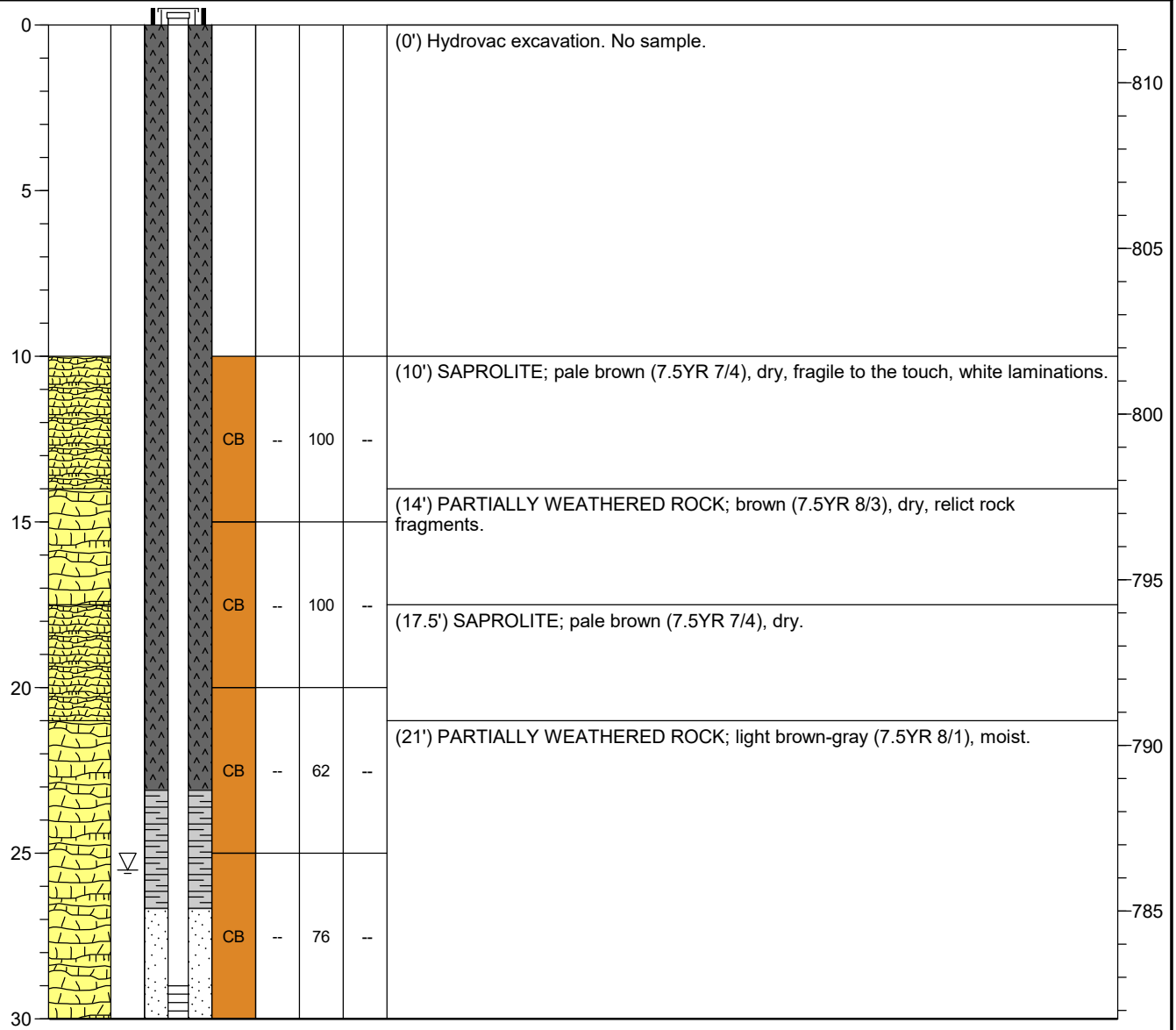
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.87 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-31S
Page: 1 of 2

Drilling Start Date:	12/6/2024	Boring Depth (ft):	40	Well Depth (ft bgs):	39.62
Drilling End Date:	12/6/2024	Boring Diameter (in):	4x6	Well Diameter (in):	2
Drilling Company:	Cascade Drilling	Sampling Method(s):	Core Barrel	Screen Slot (in):	0.010
Drilling Method:	Sonic	Depth to Water (ft btoc):	28.46	Riser Material:	Sch 40 PVC
Drilling Equipment:	Terrasonic TSI-150	Ground Surface Elev. (ft):	811.74	Screen Material:	Sch 40 PVC U-Pack
Driller:	C. Franklin	Top of Casing Elev. (ft):	814.69	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1240831.58, 2027173.44	Filter Pack:	#20/40 Sand



NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.90 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-31S
Page: 2 of 2

Drilling Start Date:	**12/6/2024**	Boring Depth (ft):	**40**	Well Depth (ft bgs):	**39.62**
Drilling End Date:	**12/6/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**28.46**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**811.74**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**814.69**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1240831.58, 2027173.44**	Filter Pack:	**#20/40 Sand**

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30				CB	--	100	--	(30') SAPROLITE; pinkish pale brown (7.5YR 8/3), moist.	780
35				CB	--	80	--	(35') PARTIALLY WEATHERED ROCK; light brown-gray (7.5YR 8/1), moist.	775
								(37.5') SAPROLITE; brown (7.5YR 8/3), moist/wet, relict rock fragments of gneiss, oxidation marks.	
40								(40') Boring terminated.	

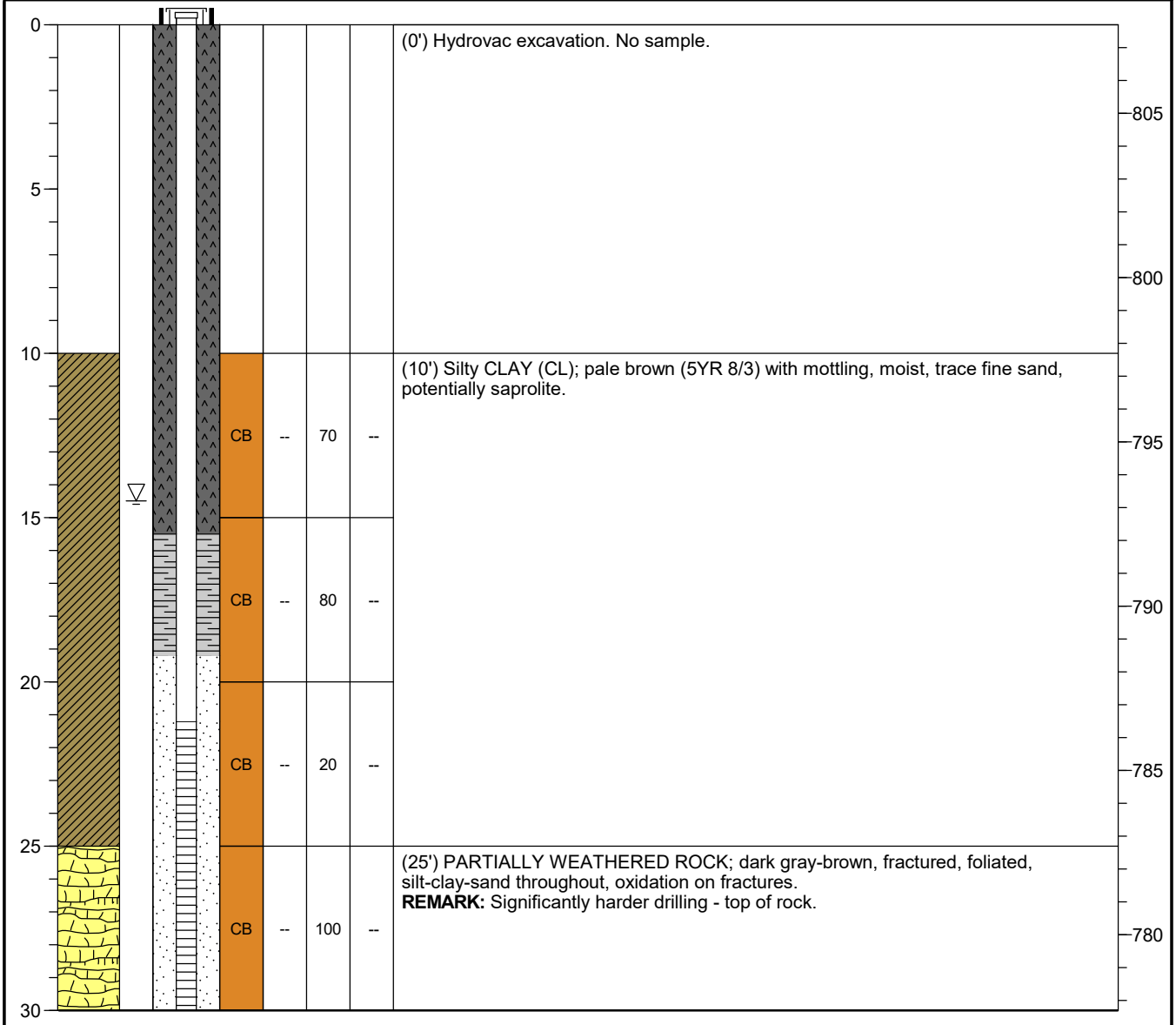
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.90 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-32
Page: 1 of 2

Drilling Start Date:	**12/10/2024**	Boring Depth (ft):	**32**	Well Depth (ft bgs):	**31.87**
Drilling End Date:	**12/10/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**17.02**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**807.70**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**810.23**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1241721.24, 2028131.52**	Filter Pack:	**#20/40 Sand**



NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.53 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-32
Page: 2 of 2

Drilling Start Date:	**12/10/2024**	Boring Depth (ft):	**32**	Well Depth (ft bgs):	**31.87**
Drilling End Date:	**12/10/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**17.02**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**807.70**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**810.23**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1241721.24, 2028131.52**	Filter Pack:	**#20/40 Sand**

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30				CB	--	100	--		

(32') Boring terminated.

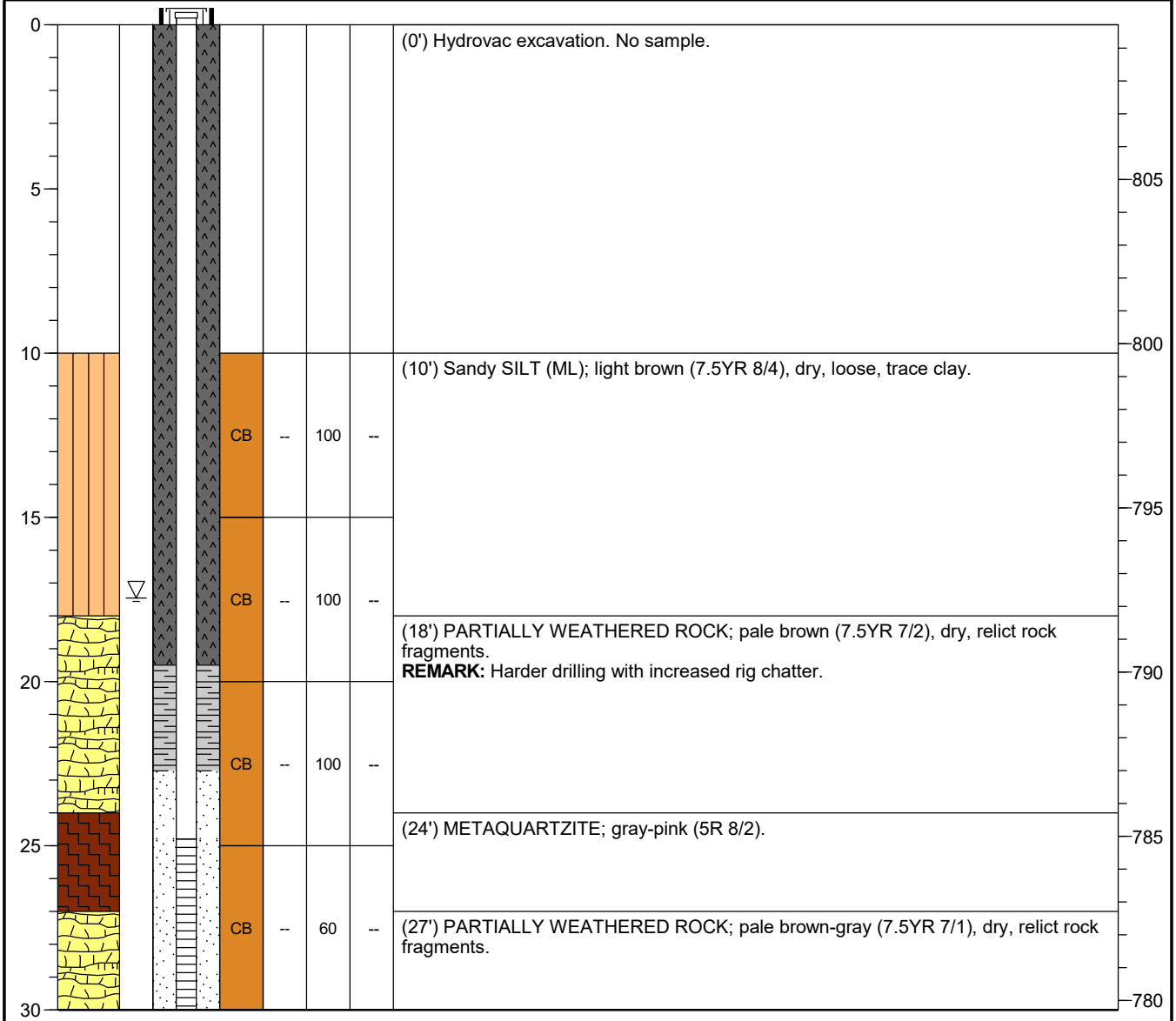
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.53 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-33
Page: 1 of 2

Drilling Start Date:	**12/11/2024**	Boring Depth (ft):	**36**	Well Depth (ft bgs):	**35.32**
Drilling End Date:	**12/11/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**19.84**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**809.71**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**812.09**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1242764.83, 2029104.26**	Filter Pack:	**#20/40 Sand**



NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.38 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-33
Page: 2 of 2

Drilling Start Date:	**12/11/2024**	Boring Depth (ft):	**36**	Well Depth (ft bgs):	**35.32**
Drilling End Date:	**12/11/2024**	Boring Diameter (in):	**4x6**	Well Diameter (in):	**2**
Drilling Company:	**Cascade Drilling**	Sampling Method(s):	**Core Barrel**	Screen Slot (in):	**0.010**
Drilling Method:	**Sonic**	Depth to Water (ft btoc):	**19.84**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**Terrasonic TSI-150**	Ground Surface Elev. (ft):	**809.71**	Screen Material:	**Sch 40 PVC U-Pack**
Driller:	**C. Franklin**	Top of Casing Elev. (ft):	**812.09**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1242764.83, 2029104.26**	Filter Pack:	**#20/40 Sand**

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30				CB	--	60	--		
35				CB	--	60	--	(33') METAQUARTZITE; gray-pink (5R 8/2), fractured, heavily oxidized.	775

(36') Boring terminated.

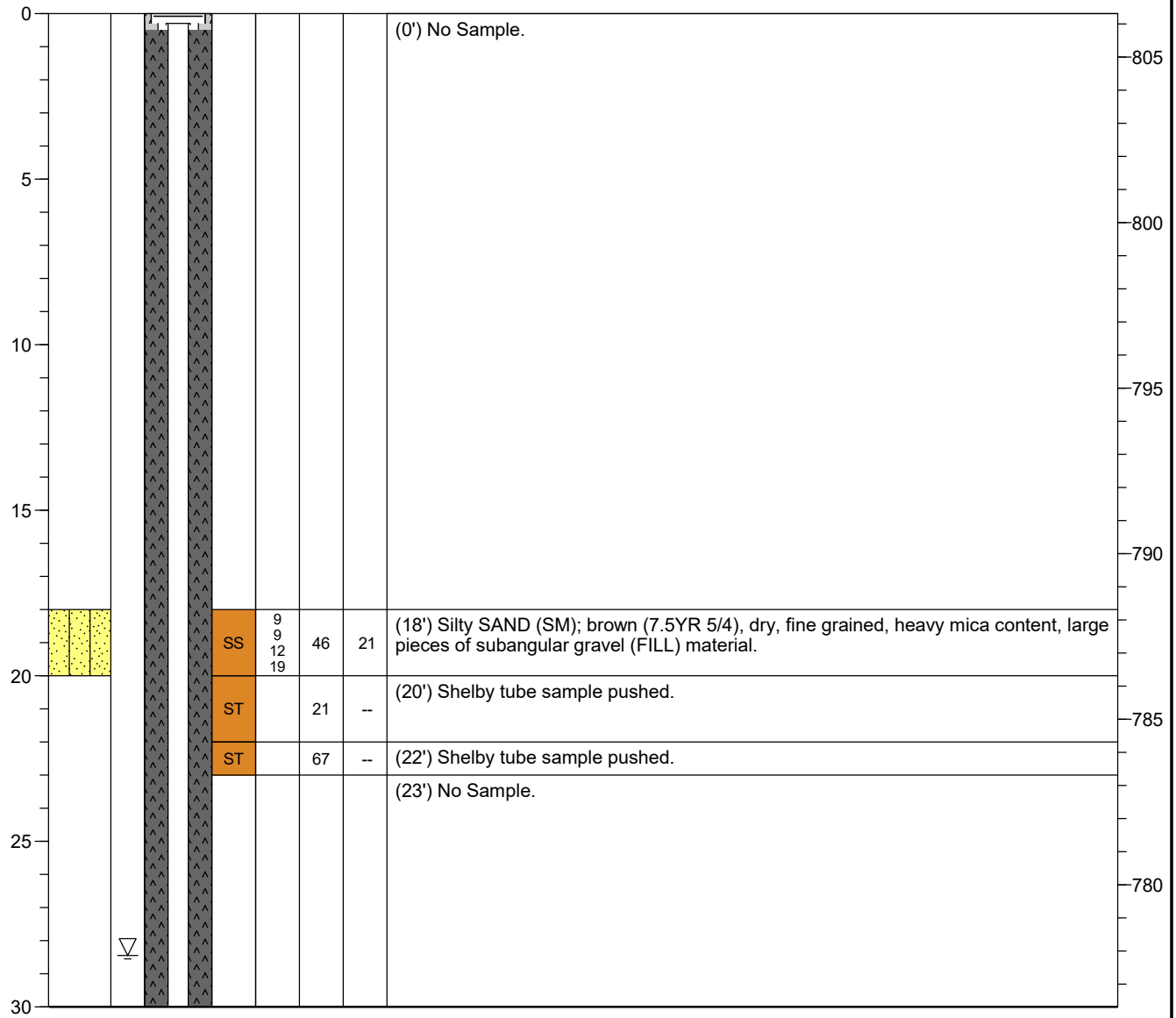
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and aboveground (+2.38 ft) PVC stickup with metal protective cover and guard posts set in concrete. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-34D
Page: 1 of 4

Drilling Start Date:	3/7/2025	Boring Depth (ft):	94	Well Depth (ft bgs):	92.43
Drilling End Date:	3/9/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	28.45	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.31	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.04	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1245303.30, 2027822.22	Filter Pack:	#20/40 Sand



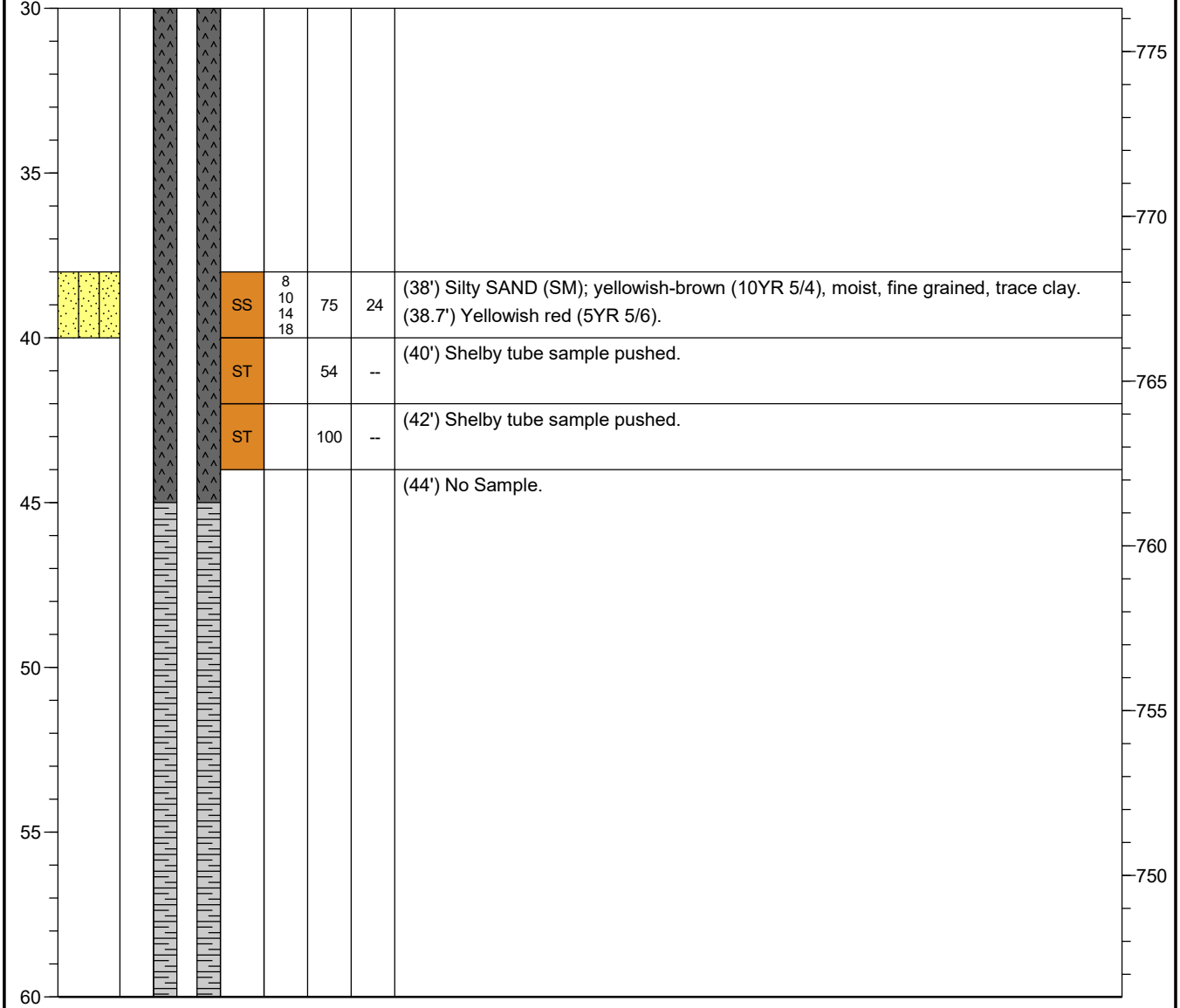
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-34D
Page: 2 of 4

Drilling Start Date:	3/7/2025	Boring Depth (ft):	94	Well Depth (ft bgs):	92.43
Drilling End Date:	3/9/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	28.45	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.31	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.04	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1245303.30, 2027822.22	Filter Pack:	#20/40 Sand



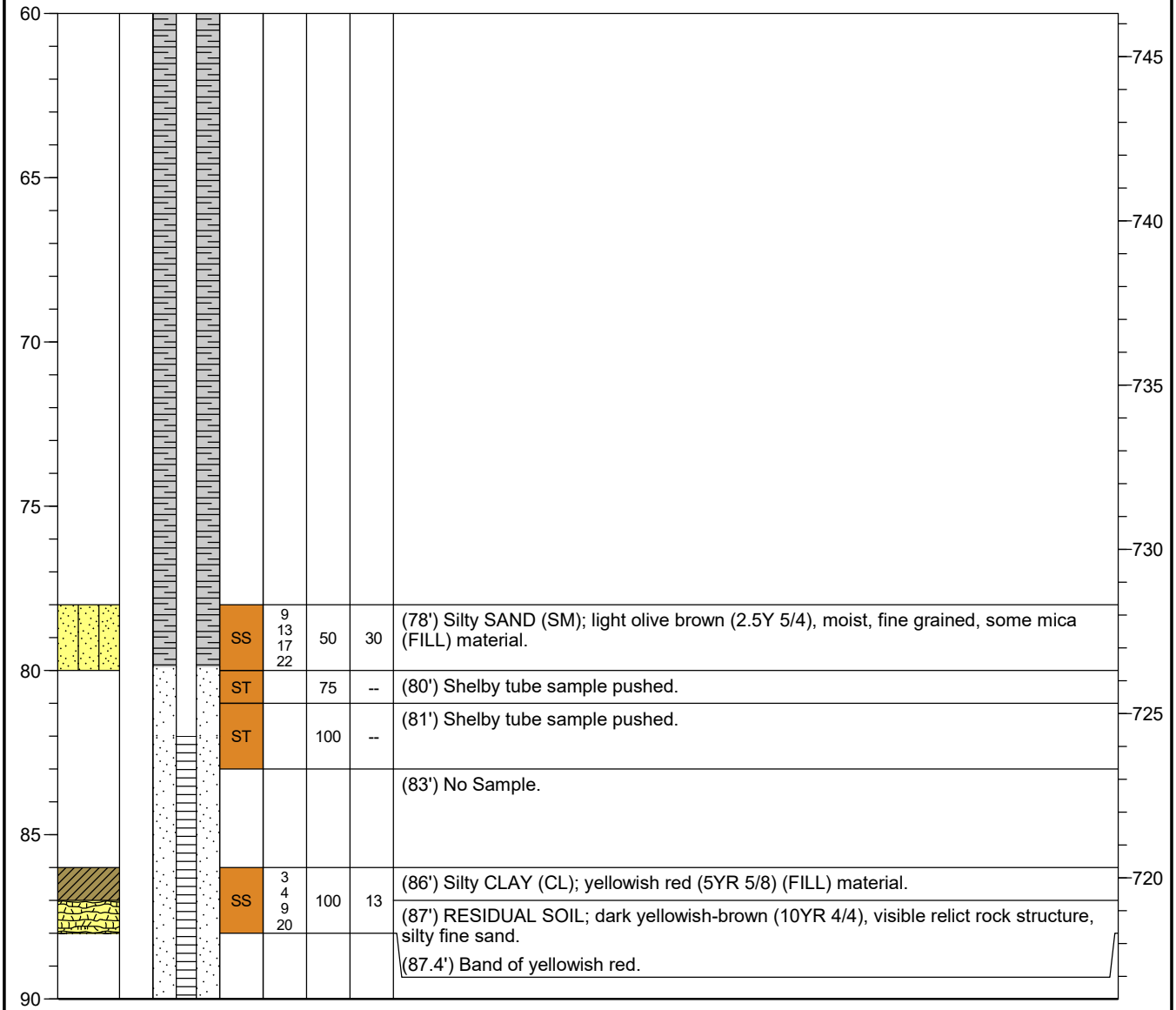
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-34D
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Drilling Start Date:	3/7/2025	Boring Depth (ft):	94	Well Depth (ft bgs):	92.43
Drilling End Date:	3/9/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	28.45	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.31	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.04	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1245303.30, 2027822.22	Filter Pack:	#20/40 Sand



NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-34D
Page: 4 of 4

Drilling Start Date:	3/7/2025	Boring Depth (ft):	94	Well Depth (ft bgs):	92.43
Drilling End Date:	3/9/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	28.45	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.31	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.04	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1245303.30, 2027822.22	Filter Pack:	#20/40 Sand

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
90				SS	13 16 16 19	67	32	(88') No Sample. (90') RESIDUAL SOIL; yellowish-brown (10YR 5/4), wet, abundant relict rock structure, silty fine sand. (92') No Sample.	715

(94') Boring terminated.

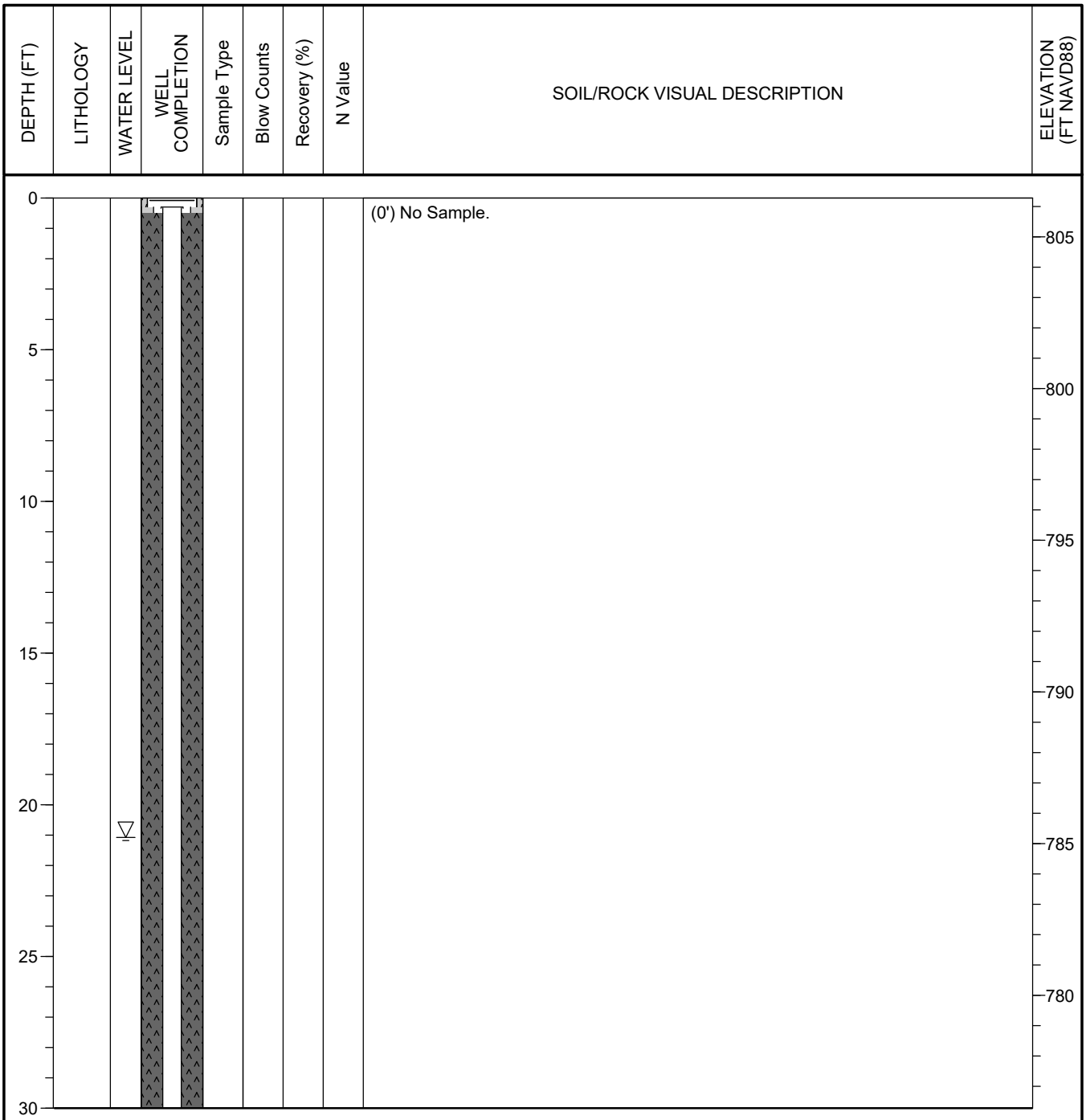
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-34S
Page: 1 of 3

Drilling Start Date:	3/18/2025	Boring Depth (ft):	80	Well Depth (ft bgs):	47.11
Drilling End Date:	3/19/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	21.08	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.28	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.77	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1245294.99, 2027830.72	Filter Pack:	#20/40 Sand



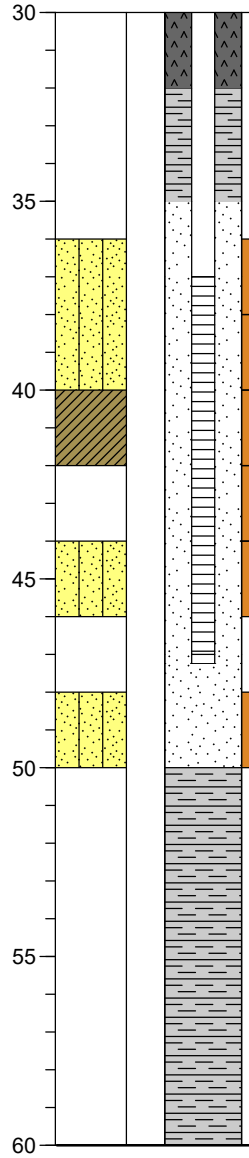
NOTES: Boring backfilled from 80-50 ft bgs with bentonite chips prior to settting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-34S
Page: 2 of 3

Drilling Start Date:	3/18/2025	Boring Depth (ft):	80	Well Depth (ft bgs):	47.11
Drilling End Date:	3/19/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	21.08	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.28	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.77	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1245294.99, 2027830.72	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30						775
35	SS	11 13 15 17	58	28	(36') Silty SAND (SM); yellowish-brown (10YR 5/6), moist, fine grained, trace clay (FILL) material.	770
	SS	8 10 14 18	75	24	(38') Silty SAND (SM); yellowish-brown (10YR 5/4), moist, fine grained, trace clay. (38.7') Yellowish red (5YR 5/6).	
40	SS	9 11 15 16	75	26	(40') Silty CLAY with sand (CL); yellowish red (5YR 4/6) to yellowish-brown (10YR 5/4), moist, some fine sand, some gray medium to fine subrounded gravel (FILL) material.	765
	ST		100	--	(41.3') Heavy mica. (42') No Sample.	
45	SS	6 11 17 16	75	28	(44') Silty SAND (SM); light red (2.5YR 6/6) to dark brown (7.5YR 3/3), moist, fine grained (FILL) material.	760
					(45.9') 1 inch thick layer of gray (10YR 6/1), fine sand. (46') No Sample.	
	SS	7 7 12 15	71	19	(48') Silty SAND (SM); light red (5YR 6/8) to dark yellowish-brown (10YR 4/4), moist, fine grained, trace clay (FILL) material.	
50					(50') No Sample.	755
55						750
60						

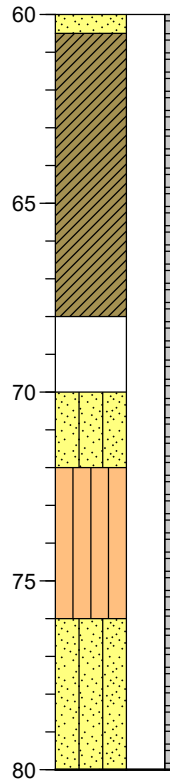
NOTES: Boring backfilled from 80-50 ft bgs with bentonite chips prior to settting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-34S
Page: 3 of 3

Drilling Start Date:	3/18/2025	Boring Depth (ft):	80	Well Depth (ft bgs):	47.11
Drilling End Date:	3/19/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	21.08	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.28	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.77	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1245294.99, 2027830.72	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
60	SS	5 8 9 13	100	17	(60') SAND (SP); medium to coarse grained.	
					(60.5') Silty CLAY (CL); red (2.5YR 4/8) mottled with light yellowish-brown (10YR 6/4), moist (FILL) material.	745
	SS	9 13 16 20	92	29	(62') Silty CLAY (CL); red (2.5YR 4/6), moist, 4" thick layer of medium to coarse sand at the top (FILL) material.	
65	SS	6 6 8 11	100	14	(64') Silty CLAY (CL); red (2.5YR 5/6) to strong brown (7.5YR 5/6), moist (FILL) material.	
					(64.8') Coarse sand layer.	740
	SS	8 11 12 16	79	23	(66') Silty CLAY (CL); yellowish red (5YR 5/6), moist, grading to clayey silt, 2" thick lens of coarse sand at top (FILL) material.	
	ST		100	--	(68') Shelby tube sample pushed.	
70	SS	7 9 11 13	79	20	(70') Silty SAND (SM); yellowish red (5YR 5/6), moist, fine grained, with coarse sand fine gravel at top, trace clay (FILL) material.	735
	SS	8 10 16 20	75	26	(72') Clayey SILT (ML); reddish yellow (7.5YR 6/8) with black banding throughout, wet, some fine sand (FILL) material.	
75	SS	11 11 17 20	75	28	(74') Same as above.	
	SS	7 11 12 25	67	23	(76') Silty SAND (SM); yellowish-brown (10YR 5/6), moist, fine grained (FILL) material.	730
	SS	11 15 16 22	71	31	(78') Light olive brown (2.5Y 5/4).	
80					(80') Boring terminated.	

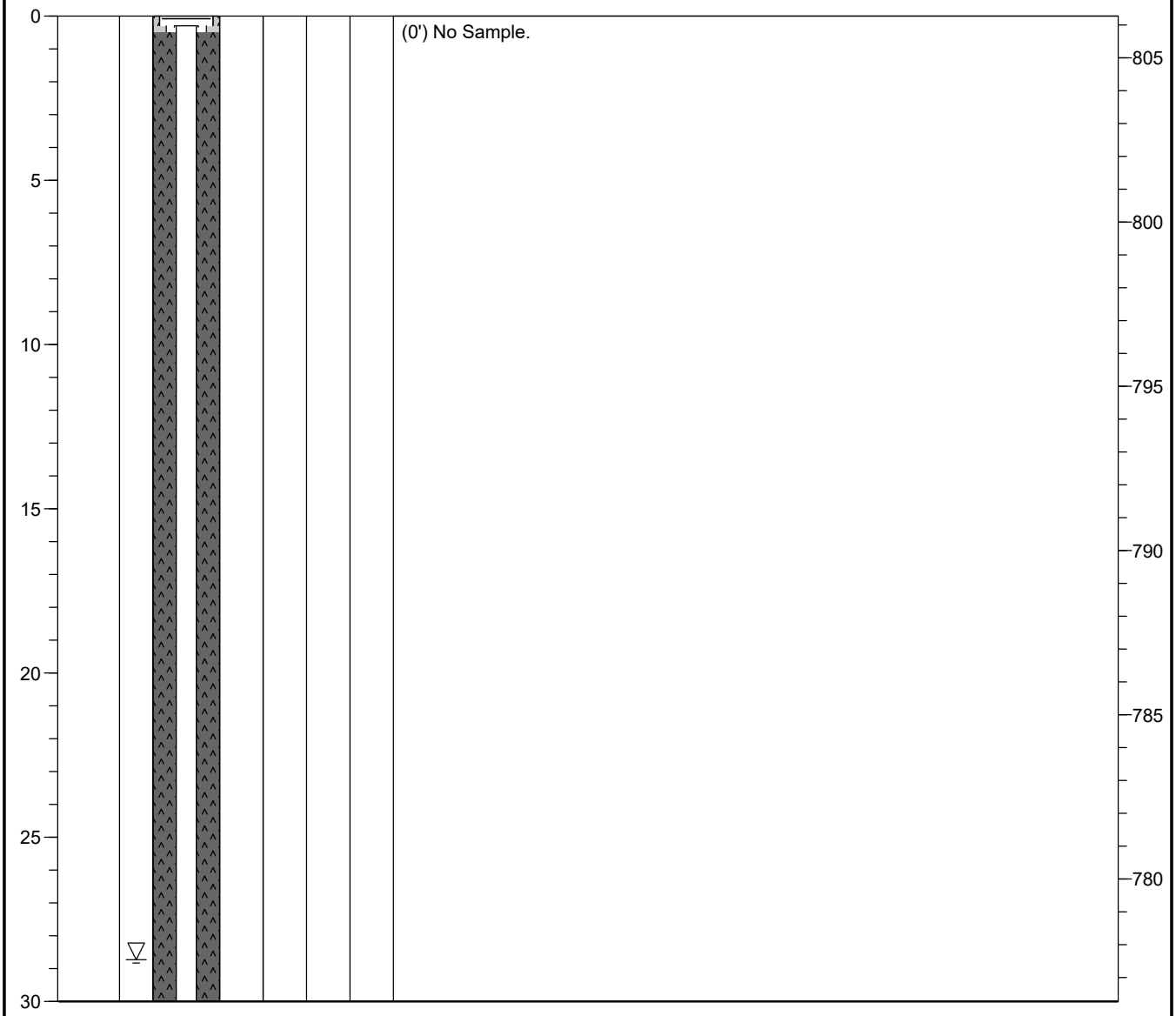
NOTES: Boring backfilled from 80-50 ft bgs with bentonite chips prior to settting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-35D
Page: 1 of 4

Drilling Start Date:	**3/4/2025**	Boring Depth (ft):	**120**	Well Depth (ft bgs):	**118.05**
Drilling End Date:	**3/6/2025**	Boring Diameter (in):	**6.875**	Well Diameter (in):	**2**
Drilling Company:	**Thompson Engineering**	Sampling Method(s):	**SPT, Shelby Tube**	Screen Slot (in):	**0.010**
Drilling Method:	**Mud Rotary**	Depth to Water (ft btoc):	**28.73**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME 550X**	Ground Surface Elev. (ft):	**806.27**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**R. Odom**	Top of Casing Elev. (ft):	**806.02**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**A. Tomlinson**	North,East (ft):	**1244985.87, 2028140.13**	Filter Pack:	**#20/40 Sand**



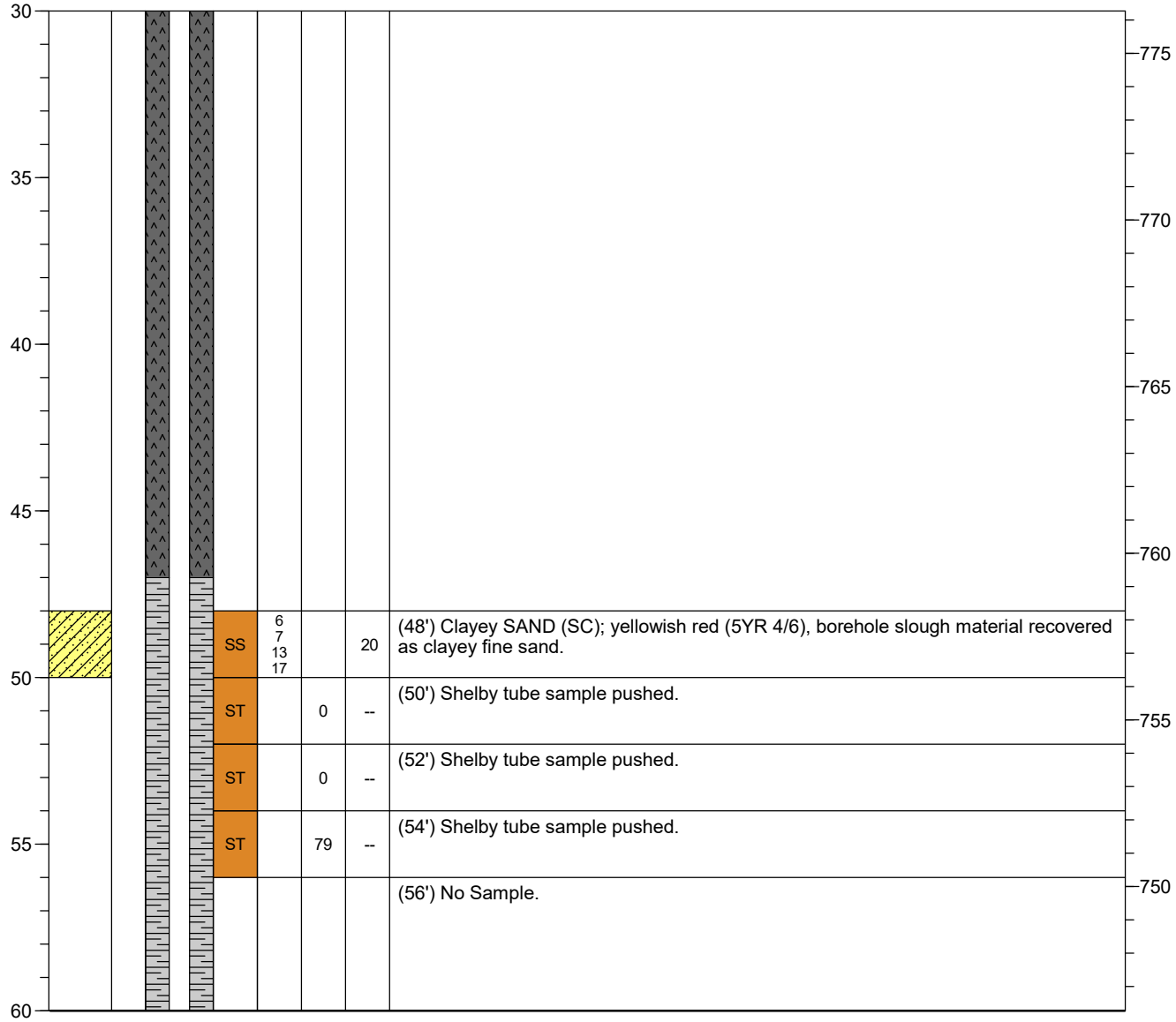
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-35D
Page: 2 of 4

Drilling Start Date:	3/4/2025	Boring Depth (ft):	120	Well Depth (ft bgs):	118.05
Drilling End Date:	3/6/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	28.73	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.27	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.02	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1244985.87, 2028140.13	Filter Pack:	#20/40 Sand



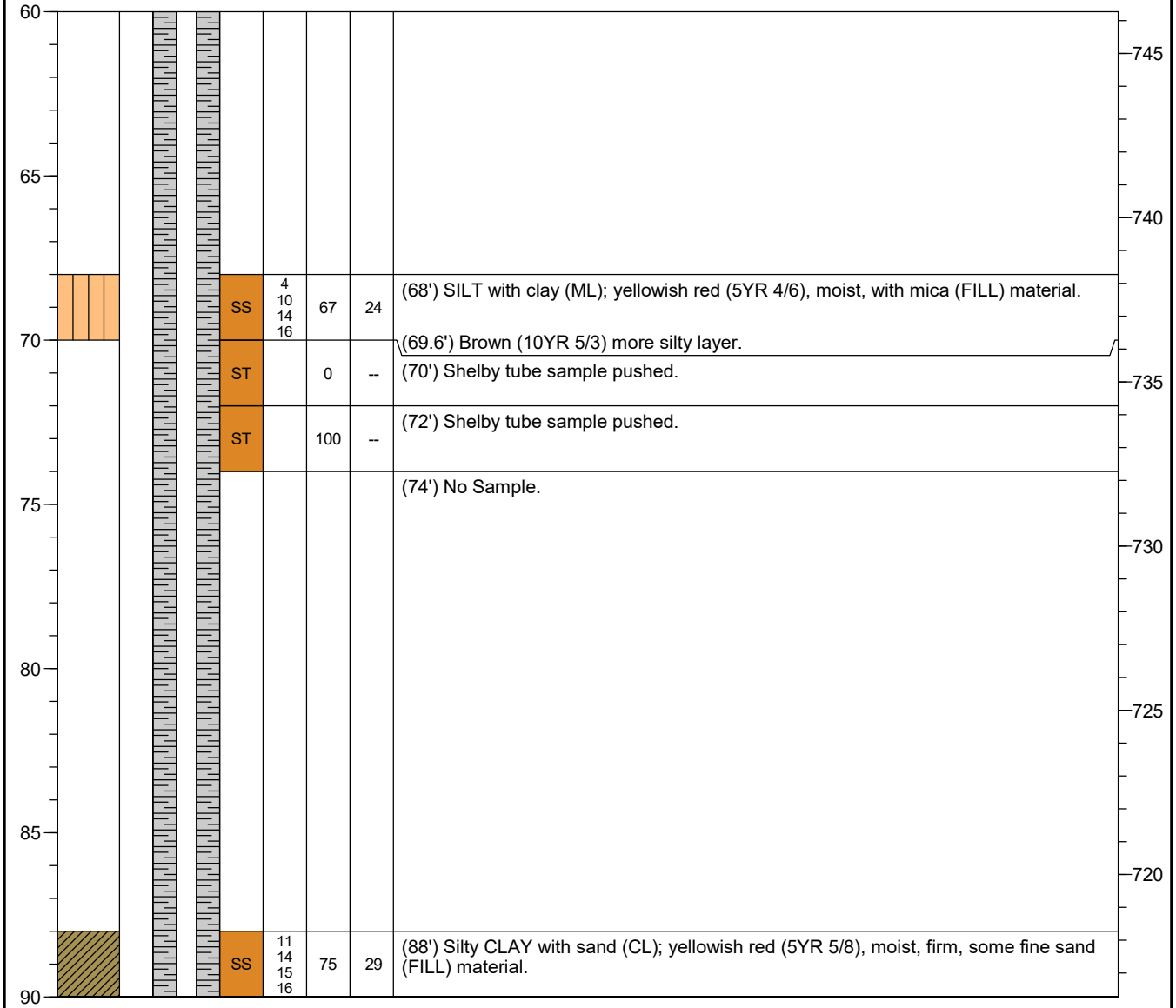
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-35D
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Drilling Start Date:	3/4/2025	Boring Depth (ft):	120	Well Depth (ft bgs):	118.05
Drilling End Date:	3/6/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	28.73	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.27	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.02	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1244985.87, 2028140.13	Filter Pack:	#20/40 Sand



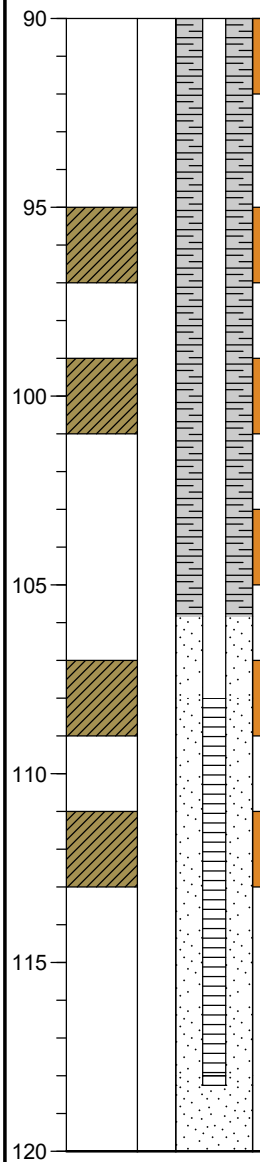
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-35D
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Drilling Start Date:	3/4/2025	Boring Depth (ft):	120	Well Depth (ft bgs):	118.05
Drilling End Date:	3/6/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	28.73	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.27	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.02	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1244985.87, 2028140.13	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
90	ST		100	--	(90') Shelby tube sample pushed.	715
					(92') No Sample.	
95	SS	5 8 11 13	100	19	(95') CLAY (CL); red (2.5YR 5/6), moist, moderately firm, trace silt (FILL) material.	710
					(97') No Sample.	
100	SS	6 11 12 13	63	23	(99') CLAY (CL); brownish yellow (10YR 6/6) with pale yellow (5Y 8/3) and red (2.5YR 5/8) mottling, moist, firm, low plasticity, trace silt, piece of large subangular gravel.	
					(101') No Sample.	705
	SS	3 4 6 7	0	10	(103') No recovery.	
105					(105') No Sample.	
	SS	3 4 8 20	100	12	(107') Silty CLAY (CL); yellow (2.5Y 7/6) with light olive brown (2.5Y 5/3) bands, coarse subangular gravel at 107 ft bgs.	700
					(108') Silty CLAY (CL); yellowish-brown (10YR 5/6), wet, trace fine sand, layer of white silty clay at 108 ft bgs.	
110					(109') No Sample.	
	SS	3 6 10 18	100	16	(111') Silty CLAY (CL); olive brown (2.5Y 4/3) with some yellowish-brown (10YR 5/6) mottling from 111-112 ft bgs, wet, relict rock structure apparent, native material.	695
					(113') No Sample.	
115						690
120					(120') Boring terminated.	

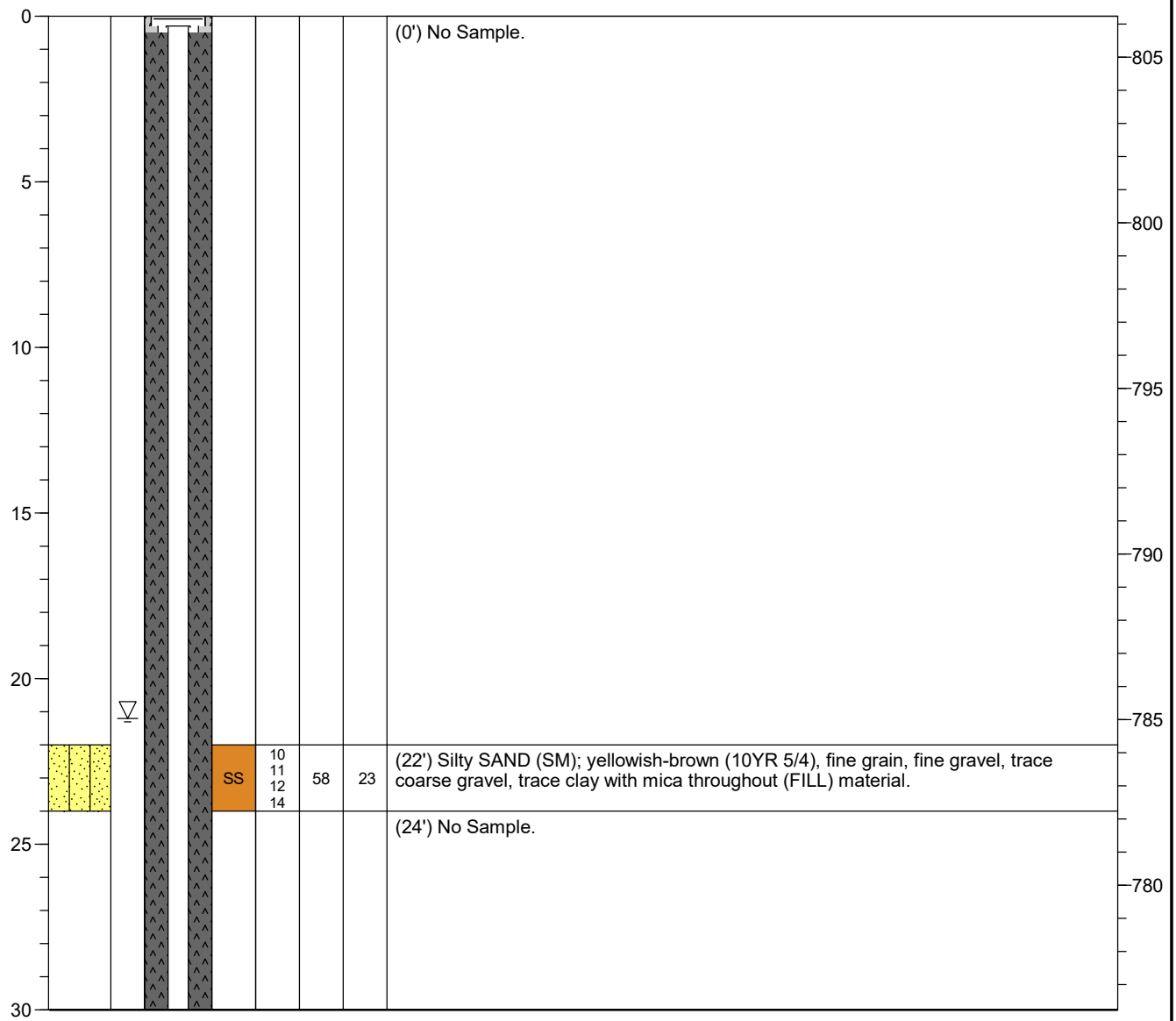
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-35S
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Drilling Start Date:	**2/25/2025**	Boring Depth (ft):	**62**	Well Depth (ft bgs):	**60.89**
Drilling End Date:	**2/26/2025**	Boring Diameter (in):	**6.875**	Well Diameter (in):	**2**
Drilling Company:	**Thompson Engineering**	Sampling Method(s):	**SPT**	Screen Slot (in):	**0.010**
Drilling Method:	**Mud Rotary**	Depth to Water (ft btoc):	**21.2**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME 550X**	Ground Surface Elev. (ft):	**806.24**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**R. Odom**	Top of Casing Elev. (ft):	**805.95**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**A. Tomlinson**	North,East (ft):	**1244973.26, 2028152.75**	Filter Pack:	**#20/40 Sand**



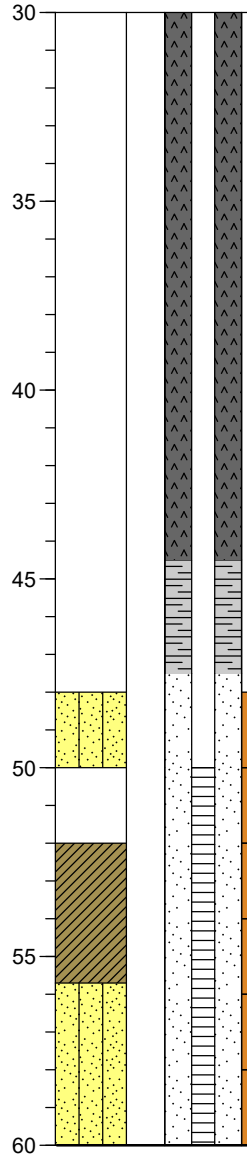
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-35S
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Drilling Start Date:	2/25/2025	Boring Depth (ft):	62	Well Depth (ft bgs):	60.89
Drilling End Date:	2/26/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	21.2	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.24	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.95	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1244973.26, 2028152.75	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
45–50	SS	9 10 13 17	83	23	(48') Silty SAND (SM); reddish-brown (5YR 5/4) with layer of red (2.5YR 5/8), wet, fine grained, some clay, some mica (FILL) material.	
50	ST		0	--	(50') No Sample.	755
50–55	SS	6 9 12 14	92	21	(52') Silty CLAY (CL); red (2.5YR 4/6), moist, firm, low plasticity. (53.5') Reddish yellow (7.5YR 7/6), layer of silty fine sand from 53.5-53.8 ft bgs.	
55	SS	5 9 11 12	79	20	(54') Silty CLAY (CL); red.	
55–60	SS	5 8 11 17	75	19	(55.7') Silty SAND (SM); yellow (10YR 7/6) becoming strong brown (7.5YR 5/6), moist, fine grained, trace clay, mica. (56') Silty SAND (SM); yellowish red (5YR 5/6), moist, fine grained, mica.	750
60	SS	8 13 17 20	75	30	(58') Silty SAND (SM); red (2.5YR 5/8), moist, fine to medium grained, no mica.	

30 35 40 45 50 55 60 — 775 770 765 760 755 750

NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Project: Plant Wansley Well Installation
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WELL LOG
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Drilling Start Date:	2/25/2025	Boring Depth (ft):	62	Well Depth (ft bgs):	60.89
Drilling End Date:	2/26/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	21.2	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.24	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.95	Seal Material(s):	Grout, Bentonite
Logged By:	A. Tomlinson	North,East (ft):	1244973.26, 2028152.75	Filter Pack:	#20/40 Sand

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
60								(60') No Sample.	745
								(62') Boring terminated.	

NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36D
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Drilling Start Date:	**2/22/2025**	Boring Depth (ft):	**127**	Well Depth (ft bgs):	**126.35**
Drilling End Date:	**2/24/2025**	Boring Diameter (in):	**6.875**	Well Diameter (in):	**2**
Drilling Company:	**Thompson Engineering**	Sampling Method(s):	**SPT**	Screen Slot (in):	**0.010**
Drilling Method:	**Mud Rotary**	Depth to Water (ft btoc):	**25.53**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME 550X**	Ground Surface Elev. (ft):	**805.81**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**R. Odom**	Top of Casing Elev. (ft):	**805.56**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**D. Kegley**	North,East (ft):	**1244524.68, 2028595.96**	Filter Pack:	**#20/40 Sand**

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
0								(0') No Sample.	805
5									800
10									795
15									790
20									785
25		▽							780
30									

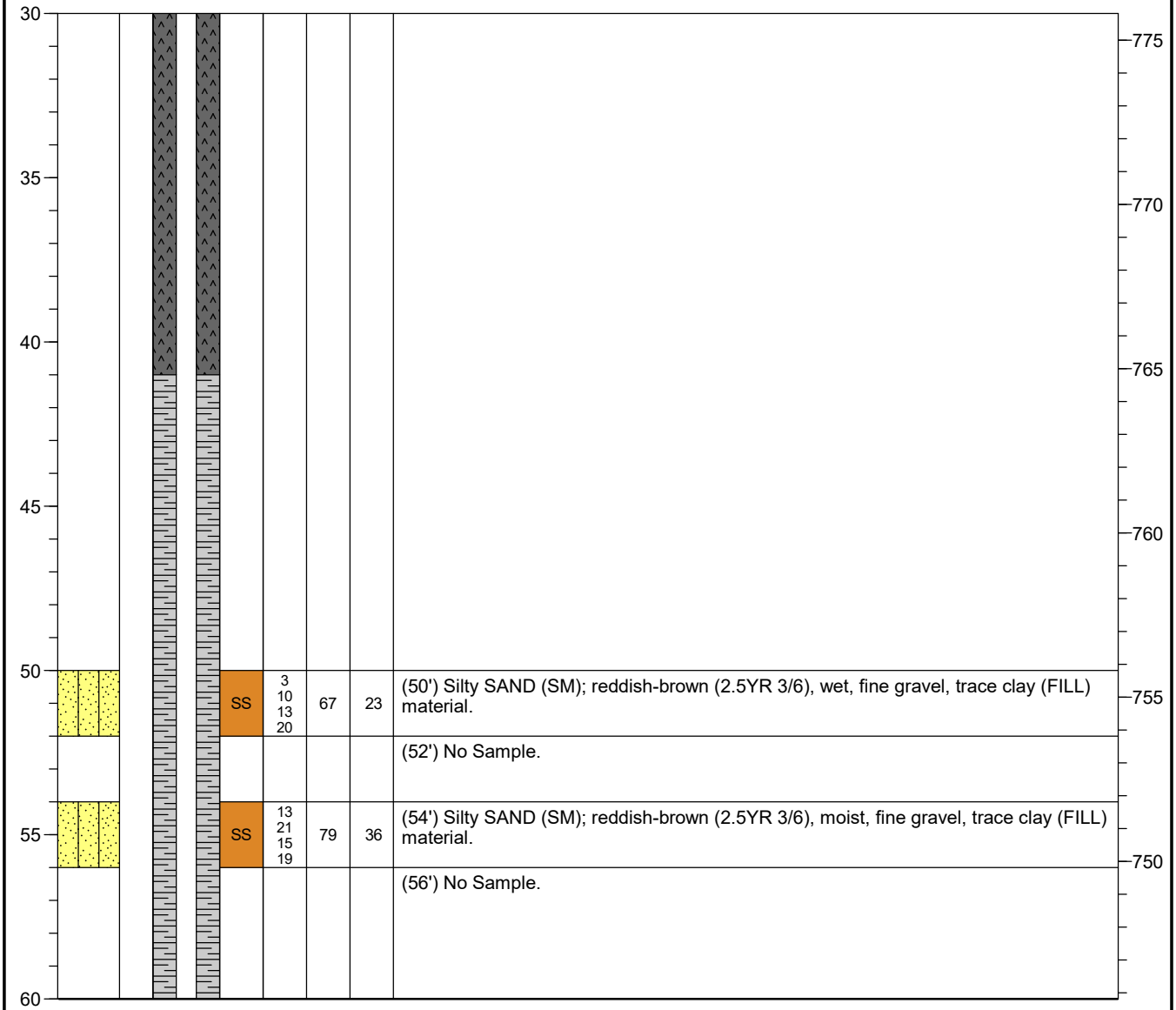
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36D
Page: 2 of 5

Drilling Start Date:	2/22/2025	Boring Depth (ft):	127	Well Depth (ft bgs):	126.35
Drilling End Date:	2/24/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	25.53	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	805.81	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.56	Seal Material(s):	Grout, Bentonite
Logged By:	D. Kegley	North,East (ft):	1244524.68, 2028595.96	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
50	SS	3 10 13 20	67	23	(50') Silty SAND (SM); reddish-brown (2.5YR 3/6), wet, fine gravel, trace clay (FILL) material.	755
					(52') No Sample.	
55	SS	13 21 15 19	79	36	(54') Silty SAND (SM); reddish-brown (2.5YR 3/6), moist, fine gravel, trace clay (FILL) material.	750
					(56') No Sample.	

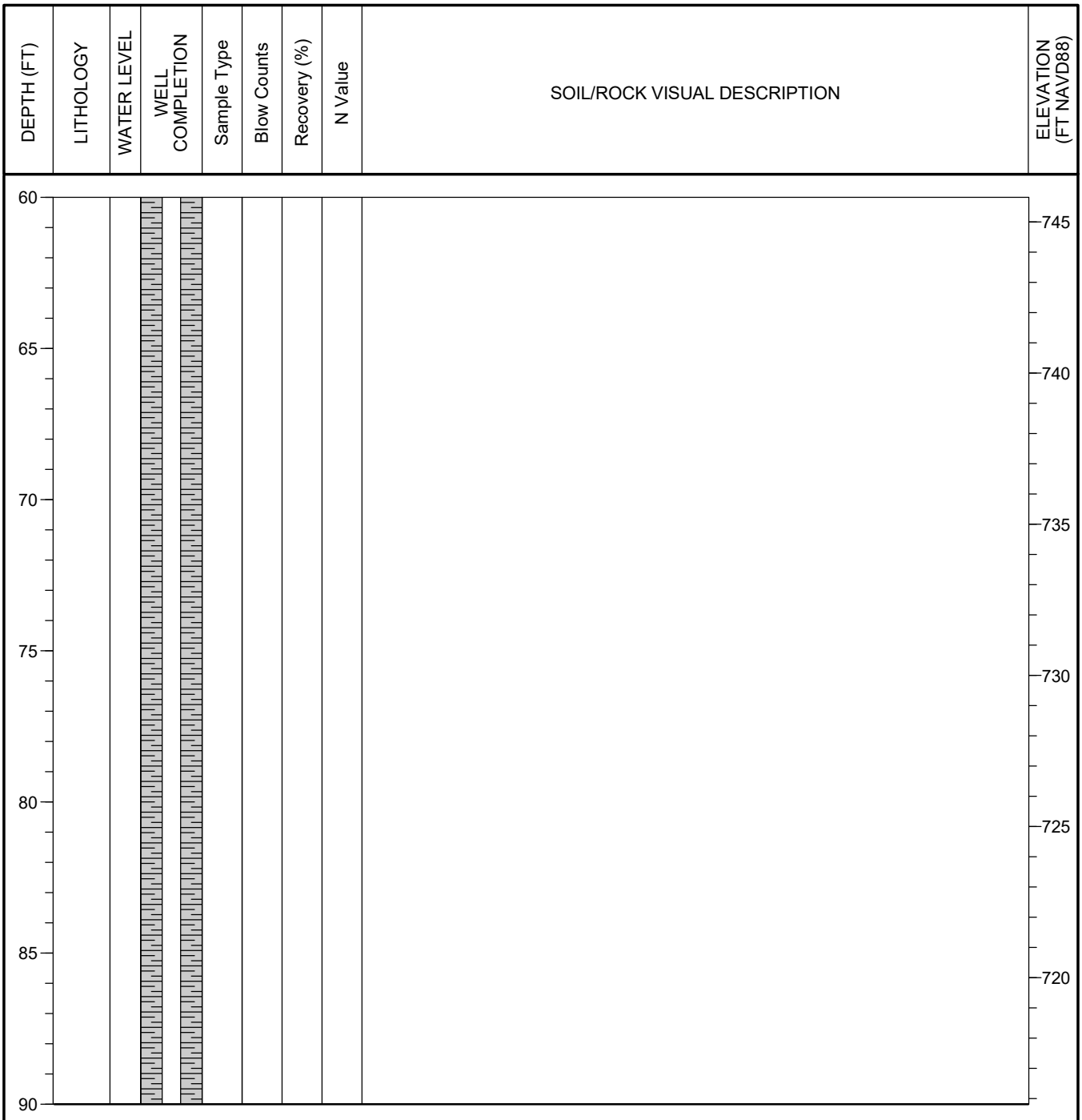
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36D
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Drilling Start Date:	**2/22/2025**	Boring Depth (ft):	**127**	Well Depth (ft bgs):	**126.35**
Drilling End Date:	**2/24/2025**	Boring Diameter (in):	**6.875**	Well Diameter (in):	**2**
Drilling Company:	**Thompson Engineering**	Sampling Method(s):	**SPT**	Screen Slot (in):	**0.010**
Drilling Method:	**Mud Rotary**	Depth to Water (ft btoc):	**25.53**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME 550X**	Ground Surface Elev. (ft):	**805.81**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**R. Odom**	Top of Casing Elev. (ft):	**805.56**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**D. Kegley**	North,East (ft):	**1244524.68, 2028595.96**	Filter Pack:	**#20/40 Sand**



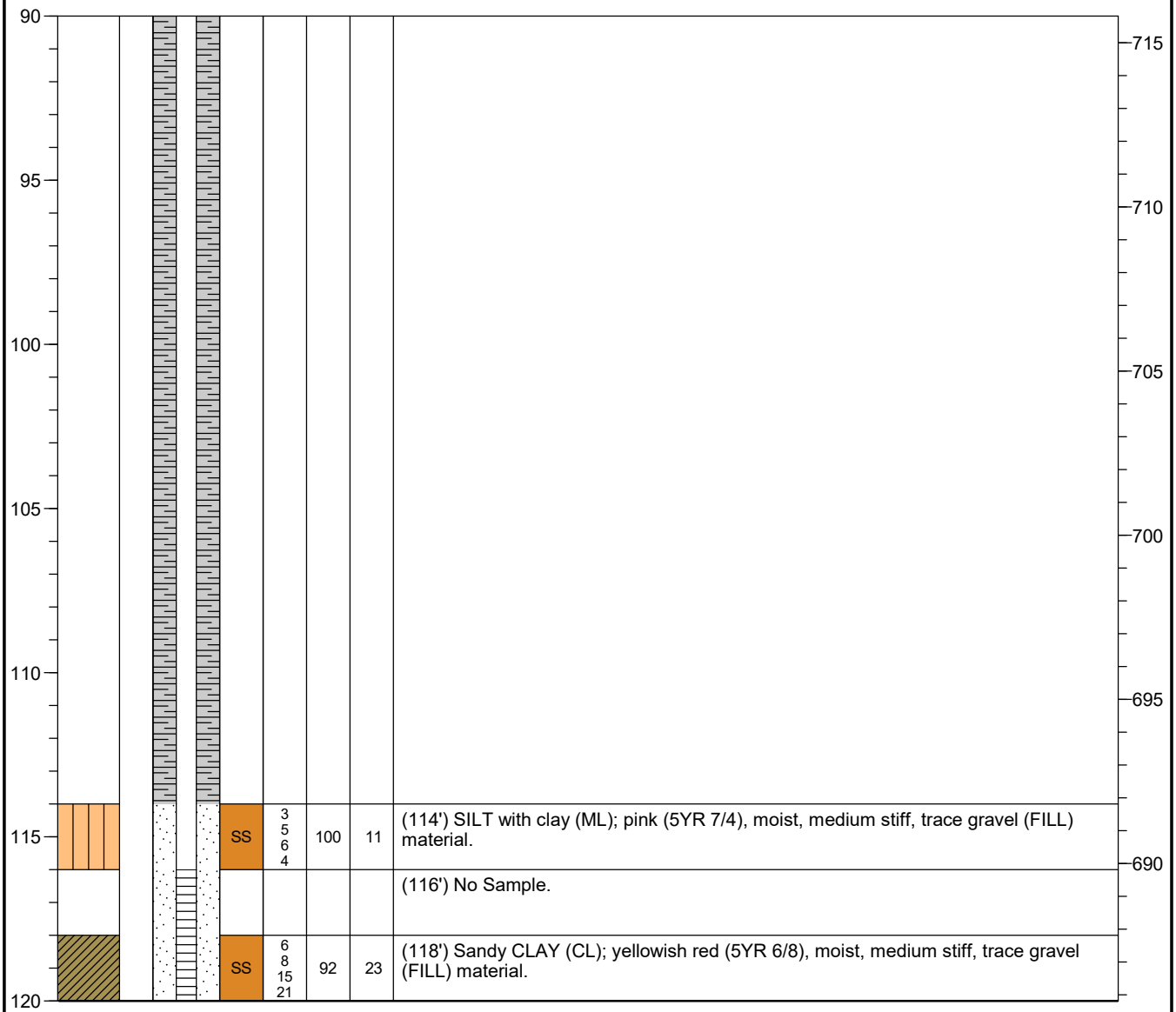
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
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WELL LOG
Well No. WGWC-36D
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Drilling Start Date:	2/22/2025	Boring Depth (ft):	127	Well Depth (ft bgs):	126.35
Drilling End Date:	2/24/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	25.53	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	805.81	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.56	Seal Material(s):	Grout, Bentonite
Logged By:	D. Kegley	North,East (ft):	1244524.68, 2028595.96	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
115	SS	3 5 6 4	100	11	(114') SILT with clay (ML); pink (5YR 7/4), moist, medium stiff, trace gravel (FILL) material.	690
					(116') No Sample.	
120	SS	6 8 15 21	92	23	(118') Sandy CLAY (CL); yellowish red (5YR 6/8), moist, medium stiff, trace gravel (FILL) material.	

NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36D
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Drilling Start Date:	**2/22/2025**	Boring Depth (ft):	**127**	Well Depth (ft bgs):	**126.35**
Drilling End Date:	**2/24/2025**	Boring Diameter (in):	**6.875**	Well Diameter (in):	**2**
Drilling Company:	**Thompson Engineering**	Sampling Method(s):	**SPT**	Screen Slot (in):	**0.010**
Drilling Method:	**Mud Rotary**	Depth to Water (ft btoc):	**25.53**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME 550X**	Ground Surface Elev. (ft):	**805.81**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**R. Odom**	Top of Casing Elev. (ft):	**805.56**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**D. Kegley**	North,East (ft):	**1244524.68, 2028595.96**	Filter Pack:	**#20/40 Sand**

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
120								(120') No Sample.	685
				SS	6 6 8 23	100	14	(122') RESIDUAL SOIL; yellowish red (5YR 6/8), moist, medium stiff, abundant relict rock structure, clay, trace sand.	
125								(124') No Sample.	680
								(127') Boring terminated.	

NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36S
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Drilling Start Date:	2/3/2025	Boring Depth (ft):	140	Well Depth (ft bgs):	57.89
Drilling End Date:	2/21/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	26.34	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	805.81	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.62	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1244517.48, 2028601.76	Filter Pack:	#20/40 Sand

DEPTH (FT)	LITHOLOGY	WATER LEVEL	WELL COMPLETION	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
0								(0') Hydrovac excavation. No sample.	805
5									800
10								(10') No Sample.	795
15									790
20									785
25		▽							780
30									

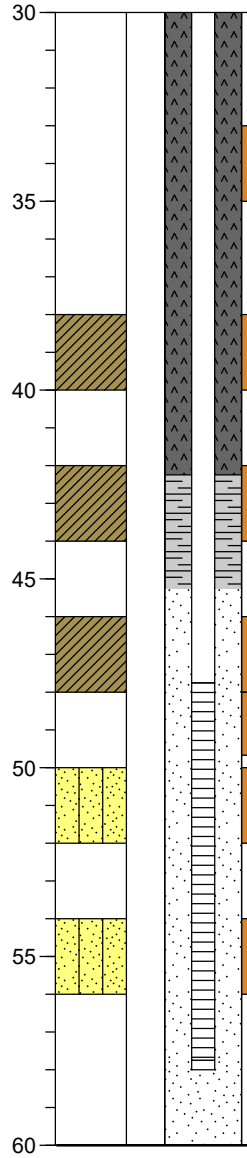
NOTES: Boring cleared to 10 ft bgs using hydrovac. Boring backfilled from 140-80 ft bgs with Aquaguard grout and 80-60 ft bgs with bentonite chips prior to setting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36S
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Drilling Start Date:	2/3/2025	Boring Depth (ft):	140	Well Depth (ft bgs):	57.89
Drilling End Date:	2/21/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	26.34	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	805.81	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.62	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1244517.48, 2028601.76	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30						775
	ST		88	--	(33') Shelby tube sample pushed.	
35					(35') No Sample.	770
	SS	8 12 15 17	83	27	(38') CLAY (CL); reddish-brown (2.5YR 3/6), dry, very stiff, medium plasticity, trace silt and gravel (FILL) material.	
40					(40') No Sample.	765
	SS	9 12 16 18	58	28	(42') Silty CLAY (CL); reddish-brown (2.5YR 3/6), moist, very stiff, trace gravel (FILL) material.	
45					(44') No Sample.	760
	SS	7 11 13 17	92	24	(46') Silty CLAY (CL); reddish-brown (2.5YR 3/6), moist, very stiff, trace gravel (FILL) material.	
	ST		80	--	(48') Shelby tube sample pushed.	
50					(49.7') No Sample.	755
	SS	3 10 13 20	67	23	(50') Silty SAND (SM); reddish-brown (2.5YR 3/6), wet, fine gravel, trace clay (FILL) material.	
					(52') No Sample.	
55	SS	13 21 15 19	79	36	(54') Silty SAND (SM); reddish-brown (2.5YR 3/6), moist, fine gravel, trace clay (FILL) material.	750
					(56') No Sample.	
60						

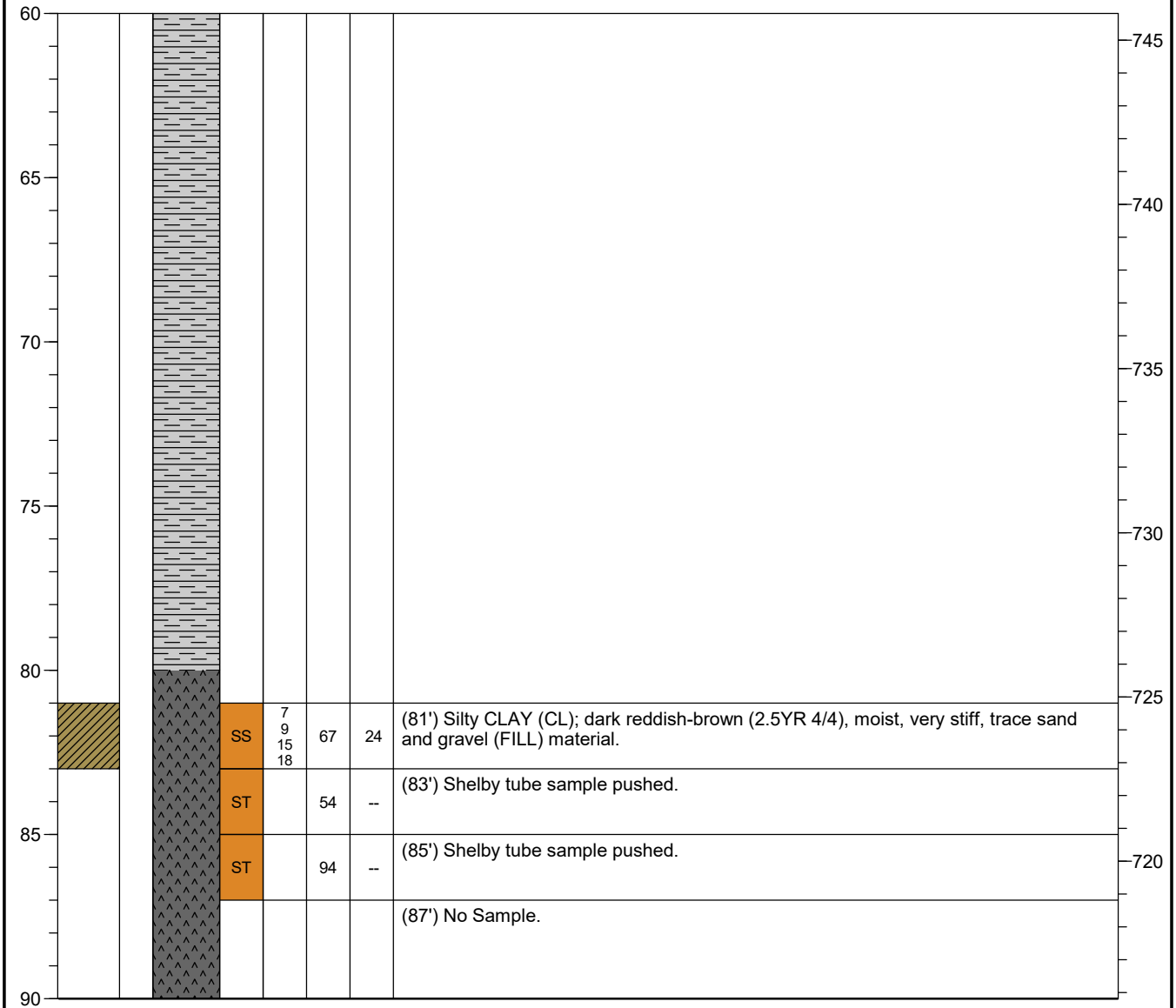
NOTES: Boring cleared to 10 ft bgs using hydrovac. Boring backfilled from 140-80 ft bgs with Aquaguard grout and 80-60 ft bgs with bentonite chips prior to setting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36S
Page: 3 of 5

Drilling Start Date:	2/3/2025	Boring Depth (ft):	140	Well Depth (ft bgs):	57.89
Drilling End Date:	2/21/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	26.34	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	805.81	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.62	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1244517.48, 2028601.76	Filter Pack:	#20/40 Sand



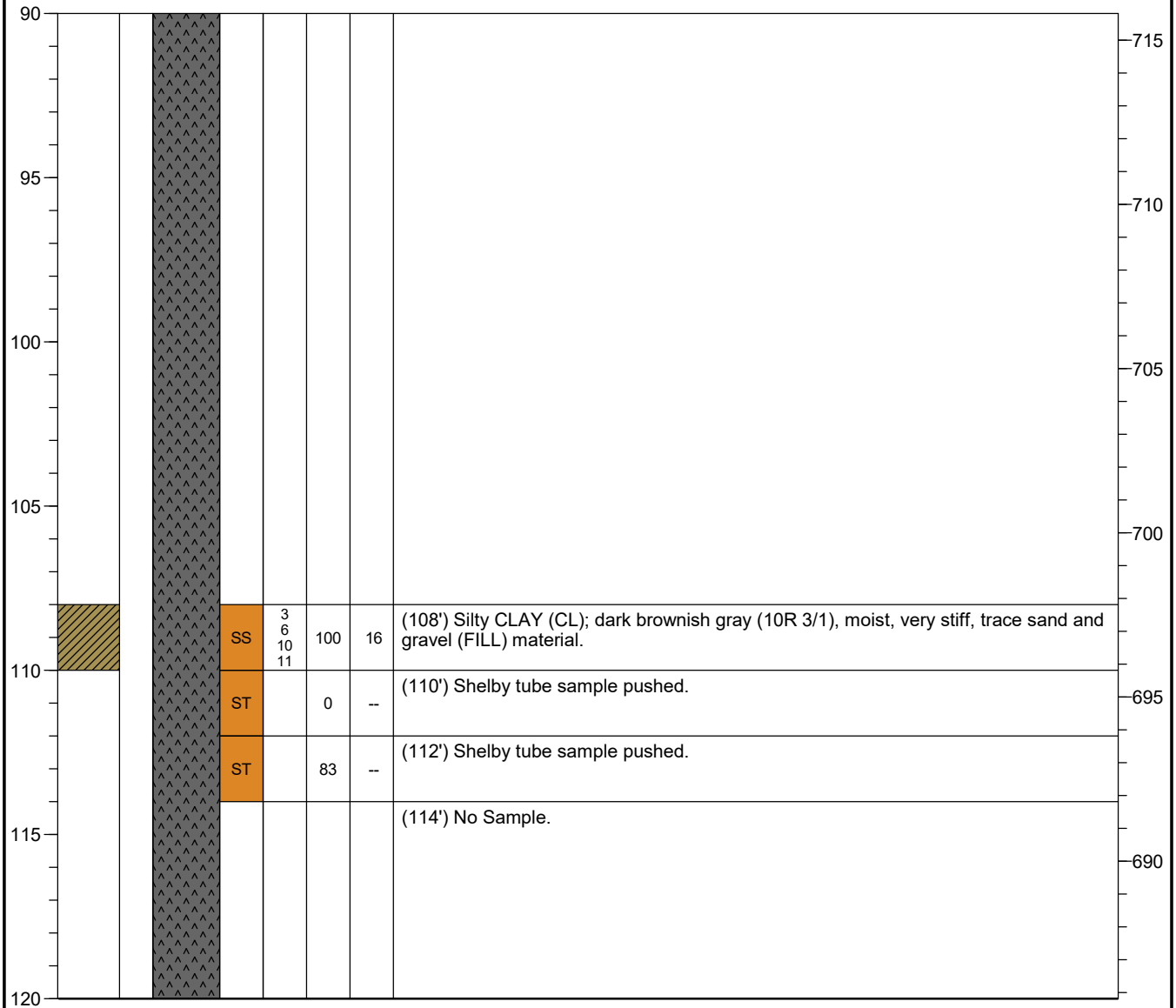
NOTES: Boring cleared to 10 ft bgs using hydrovac. Boring backfilled from 140-80 ft bgs with Aquaguard grout and 80-60 ft bgs with bentonite chips prior to setting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36S
Page: 4 of 5

Drilling Start Date:	2/3/2025	Boring Depth (ft):	140	Well Depth (ft bgs):	57.89
Drilling End Date:	2/21/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	26.34	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	805.81	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.62	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1244517.48, 2028601.76	Filter Pack:	#20/40 Sand



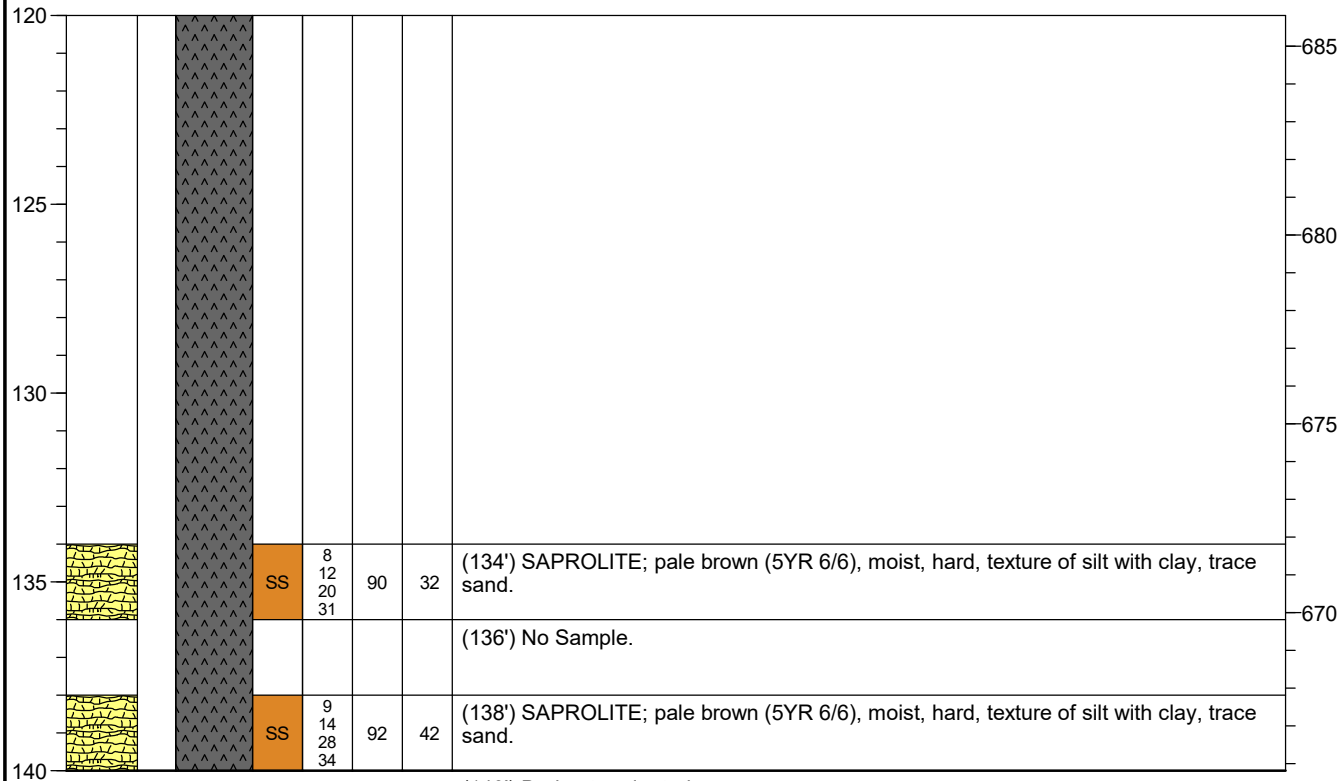
NOTES: Boring cleared to 10 ft bgs using hydrovac. Boring backfilled from 140-80 ft bgs with Aquaguard grout and 80-60 ft bgs with bentonite chips prior to setting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-36S
Page: 5 of 5

Drilling Start Date:	2/3/2025	Boring Depth (ft):	140	Well Depth (ft bgs):	57.89
Drilling End Date:	2/21/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	26.34	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	805.81	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	805.62	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1244517.48, 2028601.76	Filter Pack:	#20/40 Sand



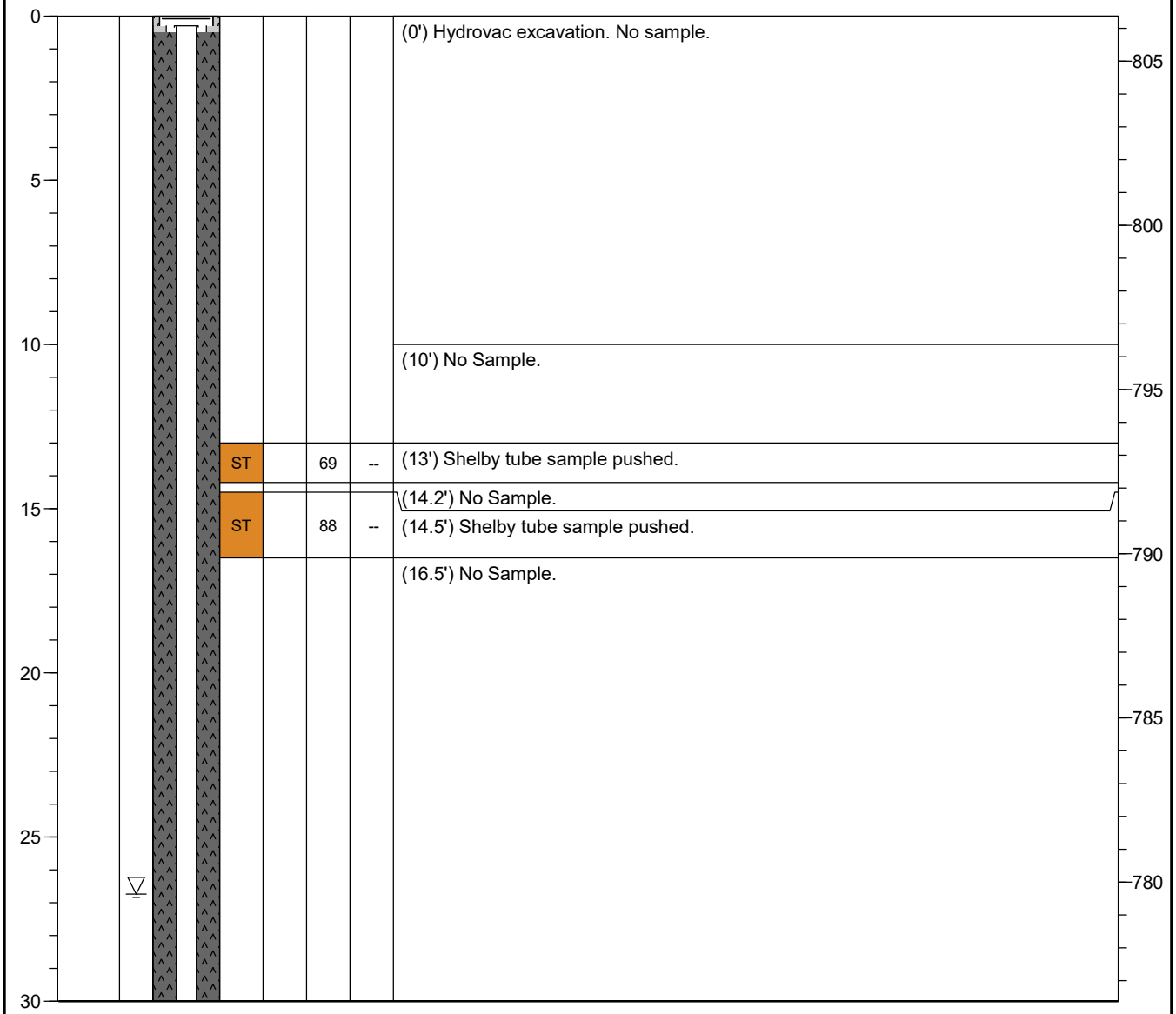
NOTES: Boring cleared to 10 ft bgs using hydrovac. Boring backfilled from 140-80 ft bgs with Aquaguard grout and 80-60 ft bgs with bentonite chips prior to setting the well. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-38D
Page: 1 of 3

Drilling Start Date:	**1/29/2025**	Boring Depth (ft):	**90**	Well Depth (ft bgs):	**89.98**
Drilling End Date:	**1/31/2025**	Boring Diameter (in):	**6.875**	Well Diameter (in):	**2**
Drilling Company:	**Thompson Engineering**	Sampling Method(s):	**SPT, Shelby Tube**	Screen Slot (in):	**0.010**
Drilling Method:	**Mud Rotary**	Depth to Water (ft btoc):	**26.74**	Riser Material:	**Sch 40 PVC**
Drilling Equipment:	**CME 550X**	Ground Surface Elev. (ft):	**806.37**	Screen Material:	**Sch 40 PVC Slotted**
Driller:	**R. Odom**	Top of Casing Elev. (ft):	**806.15**	Seal Material(s):	**Grout, Bentonite**
Logged By:	**G. Kouvatsis**	North,East (ft):	**1243855.62, 2029276.99**	Filter Pack:	**#20/40 Sand**



NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-38D
Page: 2 of 3

Drilling Start Date:	1/29/2025	Boring Depth (ft):	90	Well Depth (ft bgs):	89.98
Drilling End Date:	1/31/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	26.74	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.37	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.15	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1243855.62, 2029276.99	Filter Pack:	#20/40 Sand

DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30						775
35	SS	10 12 20 26	100	32	(34') Silty CLAY with sand (CL); brownish red (5YR 6/6), moist, hard, trace gravel (FILL) material.	
					(36') No Sample.	770
	ST		92	--	(38') Shelby tube sample pushed.	
40					(40') No Sample.	
	SS	7 13 11 12	88	24	(42') Sandy SILT (ML); pink-gray (7.5YR 6/2), moist, very stiff, some sand, trace fine gravel (FILL) material.	765
45					(44') No Sample.	
	SS	11 15 15 17	83	30	(46') Clayey SILT with sand (ML); gray (5YR 7/1), moist, hard, trace fine gravel (FILL) material.	760
50					(48') No Sample.	755
55	SS	8 15 17 21	75	32	(56') SILT with clay (ML); yellowish red (5YR 7/6) to brown (5YR 4/6), moist, hard, trace sand and fine gravel (FILL) material.	750
60	ST		0	--	(58') Shelby tube sample pushed.	

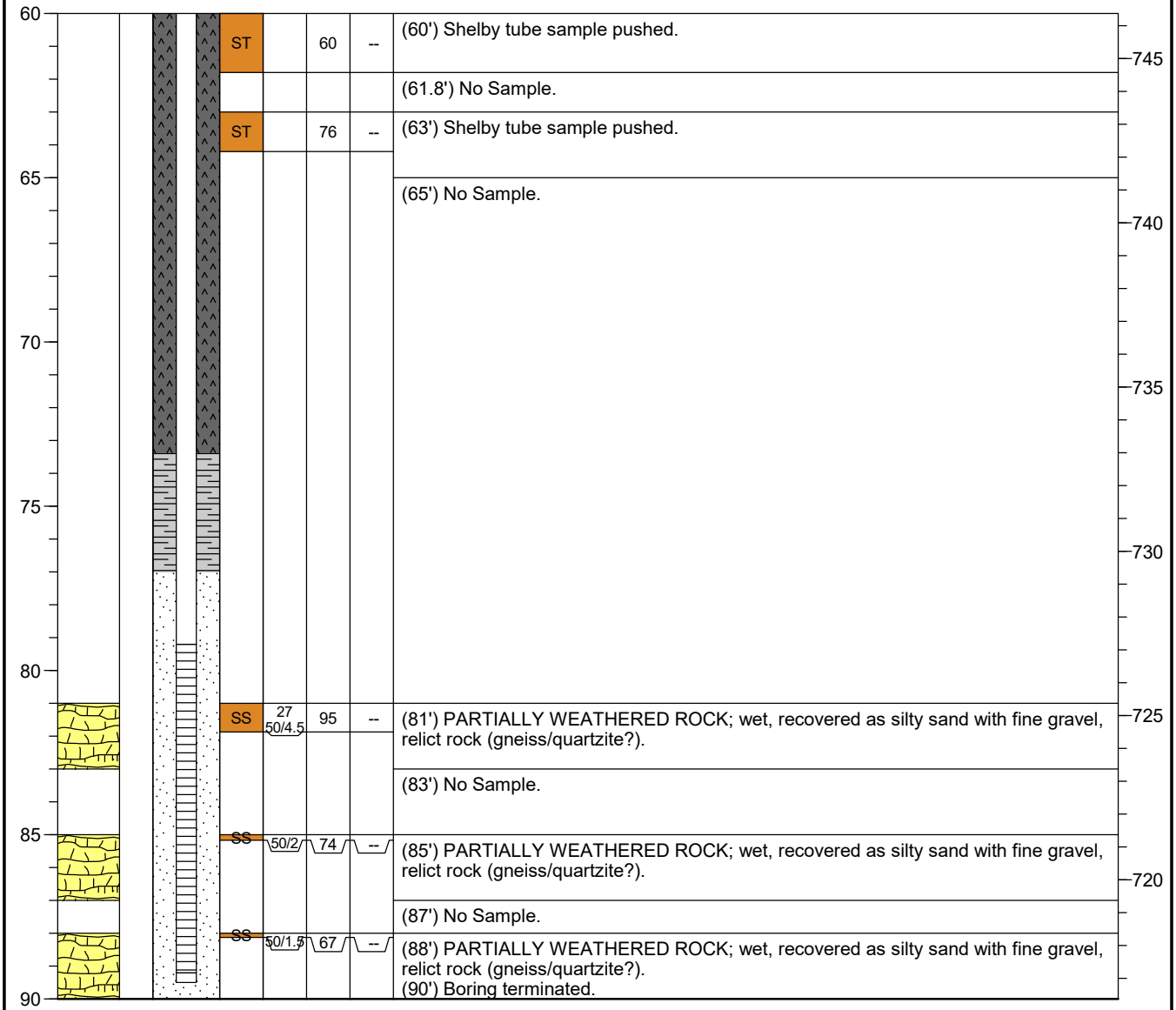
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-38D
Page: 3 of 3

Drilling Start Date:	1/29/2025	Boring Depth (ft):	90	Well Depth (ft bgs):	89.98
Drilling End Date:	1/31/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT, Shelby Tube	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	26.74	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.37	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.15	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1243855.62, 2029276.99	Filter Pack:	#20/40 Sand



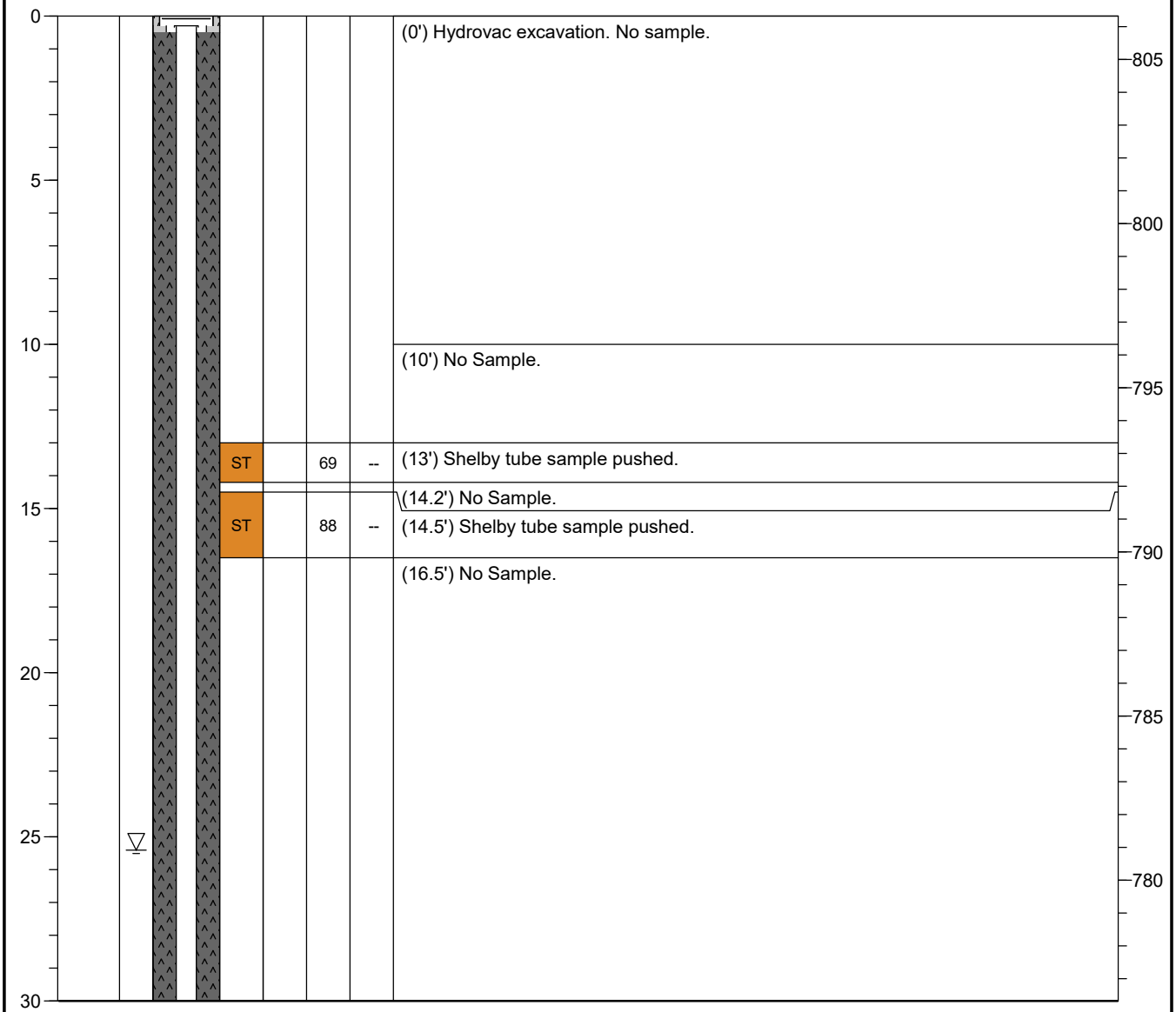
NOTES: Boring cleared to 10 ft bgs using hydrovac. Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-38S
Page: 1 of 2

Drilling Start Date:	2/2/2025	Boring Depth (ft):	60	Well Depth (ft bgs):	59.76
Drilling End Date:	2/2/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	25.41	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.32	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.07	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1243844.64, 2029287.40	Filter Pack:	#20/40 Sand



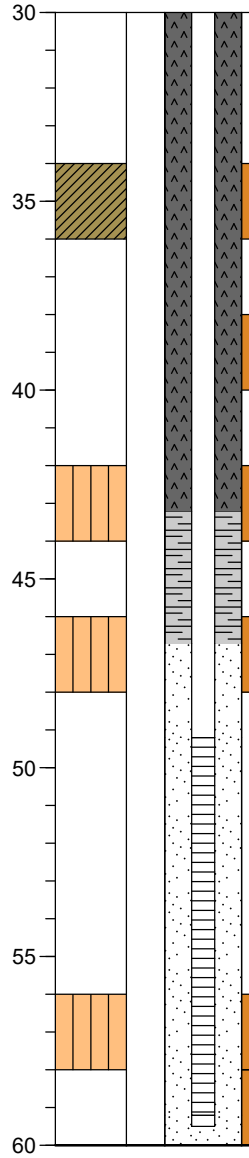
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

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Client: Southern Company Services
Project: Plant Wansley Well Installation
Address: 1371 Liberty Church Rd, Carrollton, GA

WELL LOG
Well No. WGWC-38S
Page: 2 of 2

Drilling Start Date:	2/2/2025	Boring Depth (ft):	60	Well Depth (ft bgs):	59.76
Drilling End Date:	2/2/2025	Boring Diameter (in):	6.875	Well Diameter (in):	2
Drilling Company:	Thompson Engineering	Sampling Method(s):	SPT	Screen Slot (in):	0.010
Drilling Method:	Mud Rotary	Depth to Water (ft btoc):	25.41	Riser Material:	Sch 40 PVC
Drilling Equipment:	CME 550X	Ground Surface Elev. (ft):	806.32	Screen Material:	Sch 40 PVC Slotted
Driller:	R. Odom	Top of Casing Elev. (ft):	806.07	Seal Material(s):	Grout, Bentonite
Logged By:	G. Kouvatsis	North,East (ft):	1243844.64, 2029287.40	Filter Pack:	#20/40 Sand



DEPTH (FT)	Sample Type	Blow Counts	Recovery (%)	N Value	SOIL/ROCK VISUAL DESCRIPTION	ELEVATION (FT NAVD88)
30						775
35	SS	10 12 20 26	100	32	(34') Silty CLAY with sand (CL); brownish red (5YR 6/6), moist, hard, trace gravel (FILL) material.	
					(36') No Sample.	770
	ST		92	--	(38') Shelby tube sample pushed.	
40					(40') No Sample.	
	SS	7 13 11 12	88	24	(42') Sandy SILT (ML); pink-gray (7.5YR 6/2), moist, very stiff, some sand, trace fine gravel (FILL) material.	765
45					(44') No Sample.	
	SS	11 15 15 17	83	30	(46') Clayey SILT with sand (ML); gray (5YR 7/1), moist, hard, trace fine gravel (FILL) material.	760
50					(48') No Sample.	755
55	SS	8 15 17 21	75	32	(56') SILT with clay (ML); brown (5YR 7/6) to yellowish red (5YR 4/6), moist, hard, trace sand and fine gravel (FILL) material.	750
	ST		0	--	(58') Shelby tube sample pushed.	
60					(60') Boring terminated.	

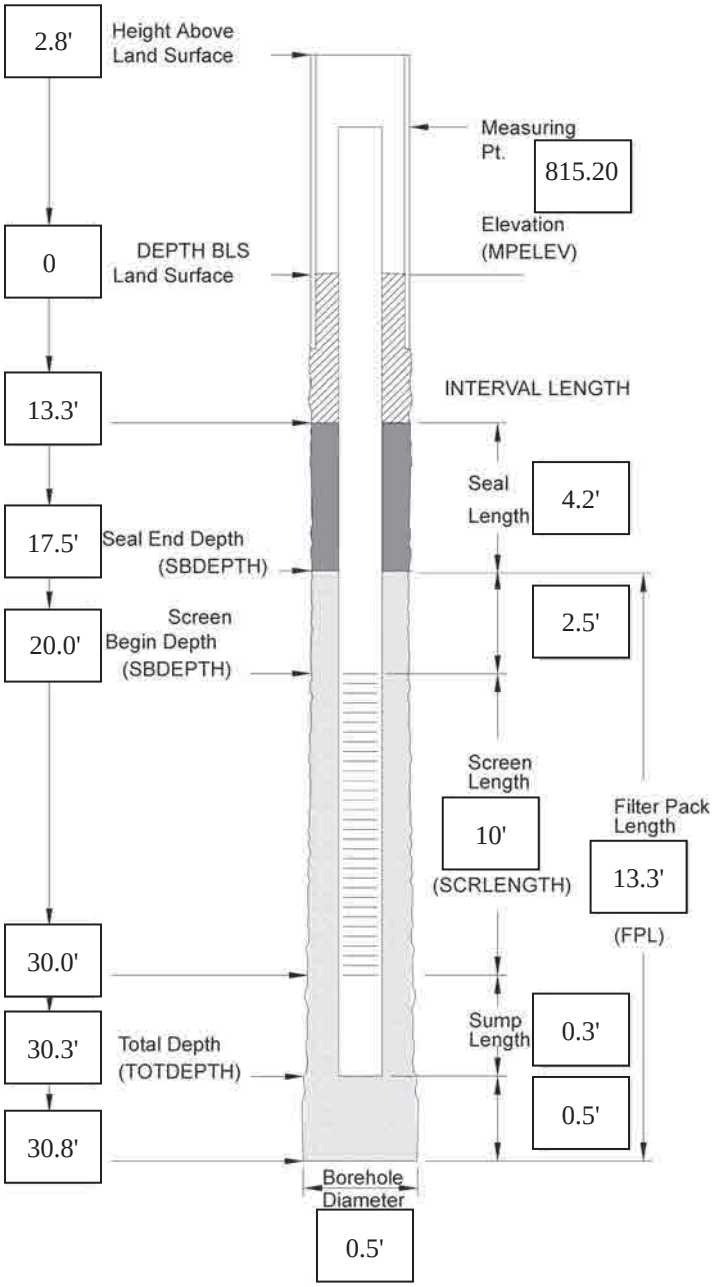
NOTES: Well sealed with cement-bentonite grout and bentonite pellets. Well completed with 4 inch long PVC sump below well screen, and flush mount PVC riser with metal protective cover. Well depth measured from ground surface. Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988.

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: WGWC-30

Drilling Company: Cascade Environmental
Drillers: C. Franklin
Geologist/Engineer: G. Kouvatsis
Signature: Giannis Kouvatsis Digitally signed by Giannis Kouvatsis Date: 2025.04.21 13:36:16 -05'00'

Site: Plant Wansley
Project Number: GW11293
Installation Method: Sonic
Casing Installation Date: 12/9/24
Well Type: Monitoring well
Well Completion Method: Stick up
Geologic Completion Zone: Saprolite



Well Completion
Guard Posts **YES** Date: 12/16/24
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" x 4" metal
Depth BGS: 2' Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard 3 50-lbs bags
Placement Method: Tremie pipe

Seal Date: 12/9/24
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Filtersil sand
Source: Southern Products & Silica Co
Amount Used: 1.5 cubic ft (3 50-lb bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material: PVC U-pack
Casing Inside Diameters: 2 in.
Screen
Material: Sch 40 PVC Inside Diameter: 2
Screen Slot Size: 0.010 in.
in.
Percent Open Area:
Sump or Bottom Cap **YES**
Type/Length: 4" PVC
Backfill Plug NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 10 Recovered (Gal): 10
Reviewed
By: Dalton Kegley Date: 4/21/2025

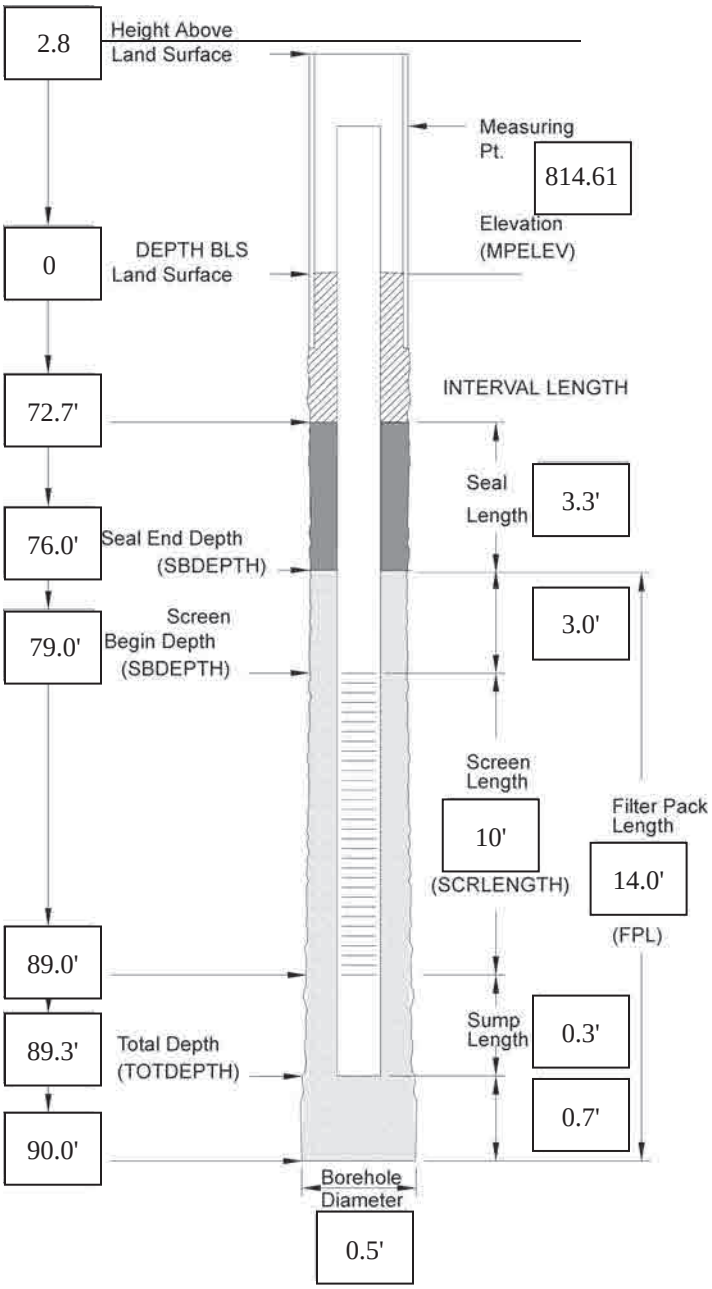
Comments
Depth to Water: 20.36' below top of casing
Sealant used: 1 cubic ft

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: WGWC-31D

Drilling Company: Cascade Environmental
Drillers: C. Franklin
Geologist/Engineer: G. Kouvatsis
Signature: Giannis Kouvatsis Digitally signed by Giannis Kouvatsis Date: 2025.04.21 13:36:51 -05'00'

Site: Plant Wansley
Project Number: GW11293
Installation Method: Sonic
Casing Installation Date: 12/9/24
Well Type: Monitoring well
Well Completion Method: Stick up
Geologic Completion Zone: Bedrock



Well Completion
Guard Posts **YES** Date: 12/16/24
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" x 4" metal
Depth BGS: 2' Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard 6 50-lbs bags
Placement Method: Tremie pipe

Seal Date: 12/9/24
Type: Coated bentonite pellets 3/8"
Source: PelPlug
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Filtersil sand
Source: Southern Products &Silica Co
Amount Used: 2 cubic ft (4 50-lbs bags)
Placement Method: Gravity
Well Riser Pipe
Casing Material: PVC U-pack
Casing Inside Diameters: 2 in.
Screen
Material: Sch 40 PVC Inside Diameter: 2
Screen Slot Size: 0.010 in.
in.
Percent Open Area:
Sump or Bottom Cap **YES**
Type/Length: 4" PVC
Backfill Plug NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 50 Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

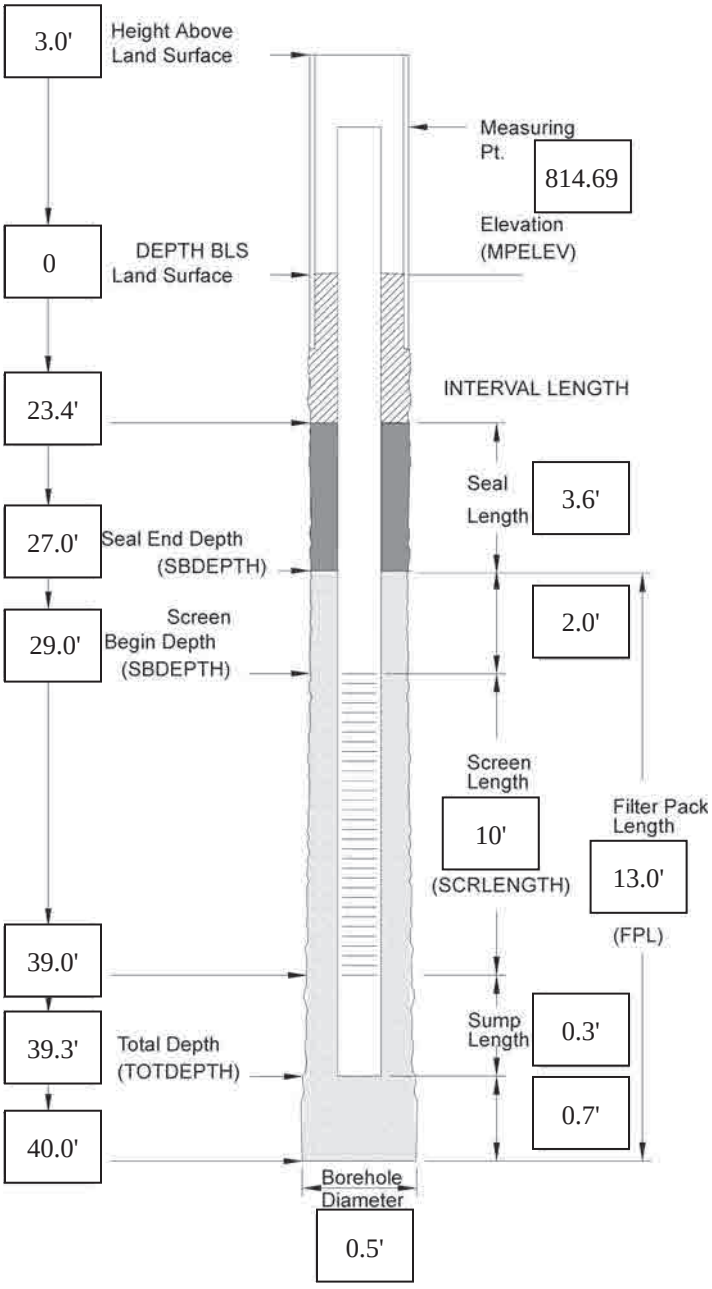
Comments
Depth to Water: 79.73' below top of casing
Sealant used: 0.75 cubic ft

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: WGWC-31S

Drilling Company: Cascade Environmental
Drillers: C. Franklin
Geologist/Engineer: G. Kouvatsis
Signature: Giannis Kouvatsis Digitally signed by Giannis Kouvatsis Date: 2025.04.21 13:37:13 -05'00'

Site: Plant Wansley
Project Number: GW11293
Installation Method: Sonic
Casing Installation Date: 12/6/24
Well Type: Monitoring well
Well Completion Method: Stick up
Geologic Completion Zone: PWR



Well Completion
Guard Posts **YES** Date: 12/16/24
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" x 4" metal
Depth BGS: 2 Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard 2 50-lbs bags
Placement Method: Tremie pipe

Seal Date: 12/6/24
Type: Coated bentonite pellets 3/8"
Source: PelPlug
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Filtersil sand
Source: Southern Products & Silica Co
Amount Used: 1.5 cubic ft (3 50-lbs bags)
Placement Method: Gravity
Well Riser Pipe
Casing Material: PVC U-pack
Casing Inside Diameters: 2 in.
Screen
Material: Sch 40 PVC Inside Diameter: 2
Screen Slot Size: 0.010 in.
in.
Percent Open Area:
Sump or Bottom Cap **YES**
Type/Length: 4" PVC
Backfill Plug NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 10 Recovered (Gal): 10
Reviewed
By: Dalton Kegley Date: 4/21/2025

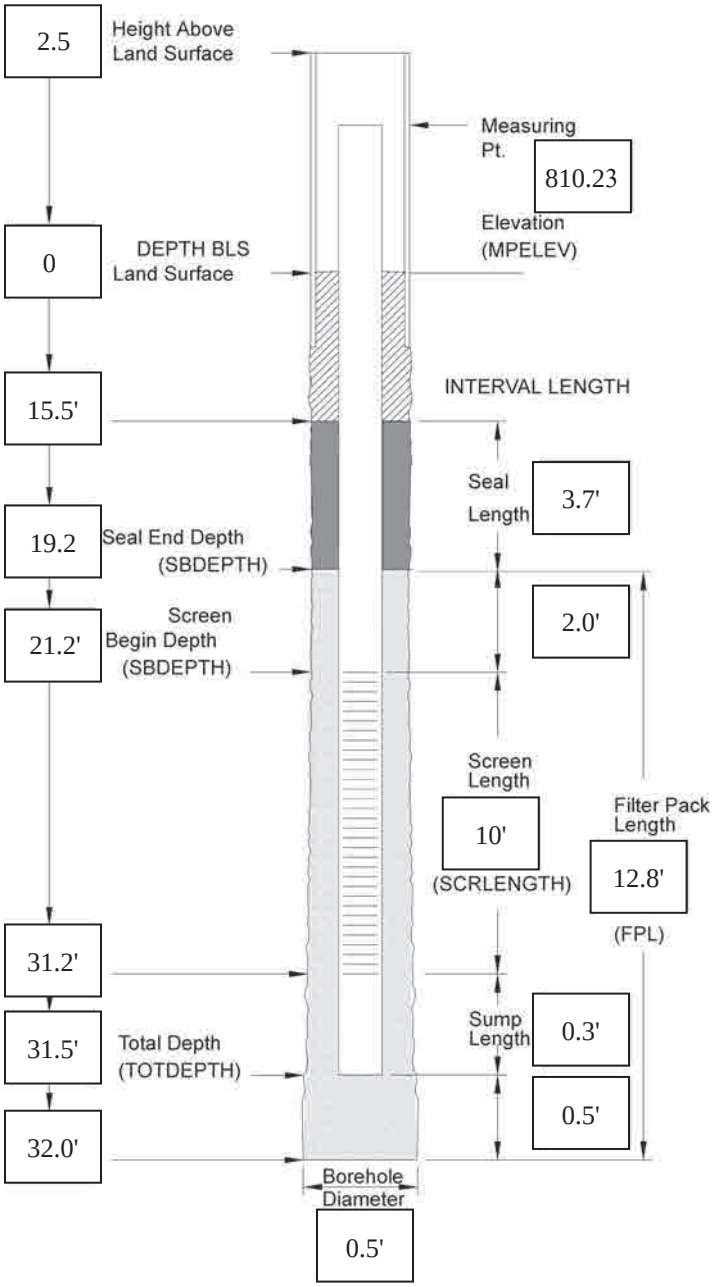
Comments
Depth to Water: 28.46' below top of casing
Sealant used: 0.9 cubic ft

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: WGWC-32

Drilling Company: Cascade Environmental
Drillers: C. Franklin
Geologist/Engineer: G. Kouvatsis
Signature: Giannis Kouvatsis Digitally signed by Giannis Kouvatsis Date: 2025.04.21 13:37:34 -05'00'

Site: Plant Wansley
Project Number: GW11293
Installation Method: Sonic
Casing Installation Date: 12/10/24
Well Type: Monitoring well
Well Completion Method: Stick up
Geologic Completion Zone: PWR



Well Completion
Guard Posts **YES** Date: 12/16/24
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" x 4" metal
Depth BGS: 2 Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard 2 50-lbs bags
Placement Method: Tremie pipe

Seal Date: 12/9/24
Type: Uncoated bentonite pellets
Source: PelPlug 5-gal bucket
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Filtersil sand
Source: Southern Products & Silica Co
Amount Used: 1.75 cubic ft (3.5 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material: PVC U-pack
Casing Inside Diameters: 2 in.
Screen
Material: Sch 40 PVC
Inside Diameter: 2 in.
Screen Slot Size: 0.010 in.
Percent Open Area:
Sump or Bottom Cap **YES**
Type/Length: 4" PVC
Backfill Plug NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 10 Recovered (Gal): 10
Reviewed
By: Dalton Kegley Date: 4/21/2025

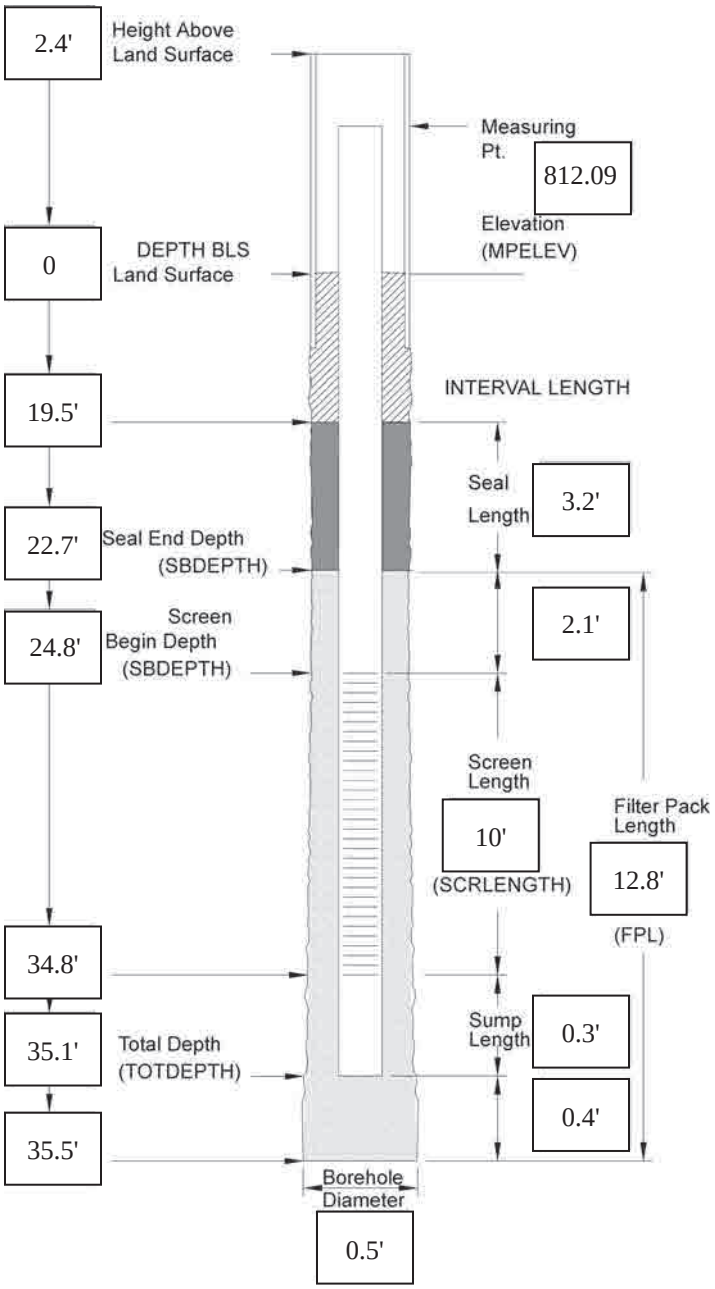
Comments
Depth to Water: 17.02' below top of casing
Sealant used: 0.93 cubic ft

WELL CONSTRUCTION LOG
ABOVE GROUND COMPLETION

Well I.D.: WGWC-33

Drilling Company: Cascade Environmental
Drillers: C. Franklin
Geologist/Engineer: G. Kouvatsis
Signature: Giannis Kouvatsis Digitally signed by Giannis Kouvatsis Date: 2025.04.21 13:38:01 -05'00'

Site: Plant Wansley
Project Number: GW11293
Installation Method: Sonic
Casing Installation Date: 12/11/24
Well Type: Monitoring well
Well Completion Method: Stick up
Geologic Completion Zone: PWR



Comments
Depth to Water: 19.84' below top of casing
Sealant used: 0.8 cubic ft

Well Completion
Guard Posts **YES** Date: 12/16/24
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 4" x 4" metal
Depth BGS: 2 Weep Hole **YES**
Grout
Composition/Proportions: Aquaguard 2 50-lbs bags
Placement Method: Tremie pipe

Seal Date: 12/11/24
Type: Coated bentonite pellets 3/8"
Source: PelPlug 5-gal bucket
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Filtersil sand
Source: Southern Products & Silica Co
Amount Used: 1.5 cubic ft (3 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material: PVC U-pack
Casing Inside Diameters: 2 in.
Screen
Material: Sch 40 PVC Inside Diameter: 2
Screen Slot Size: 0.010 in.
in.
Percent Open Area:
Sump or Bottom Cap **YES**
Type/Length: 4" PVC
Backfill Plug NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 10 Recovered (Gal): 10
Reviewed
By: Dalton Kegley Date: 4/21/2025

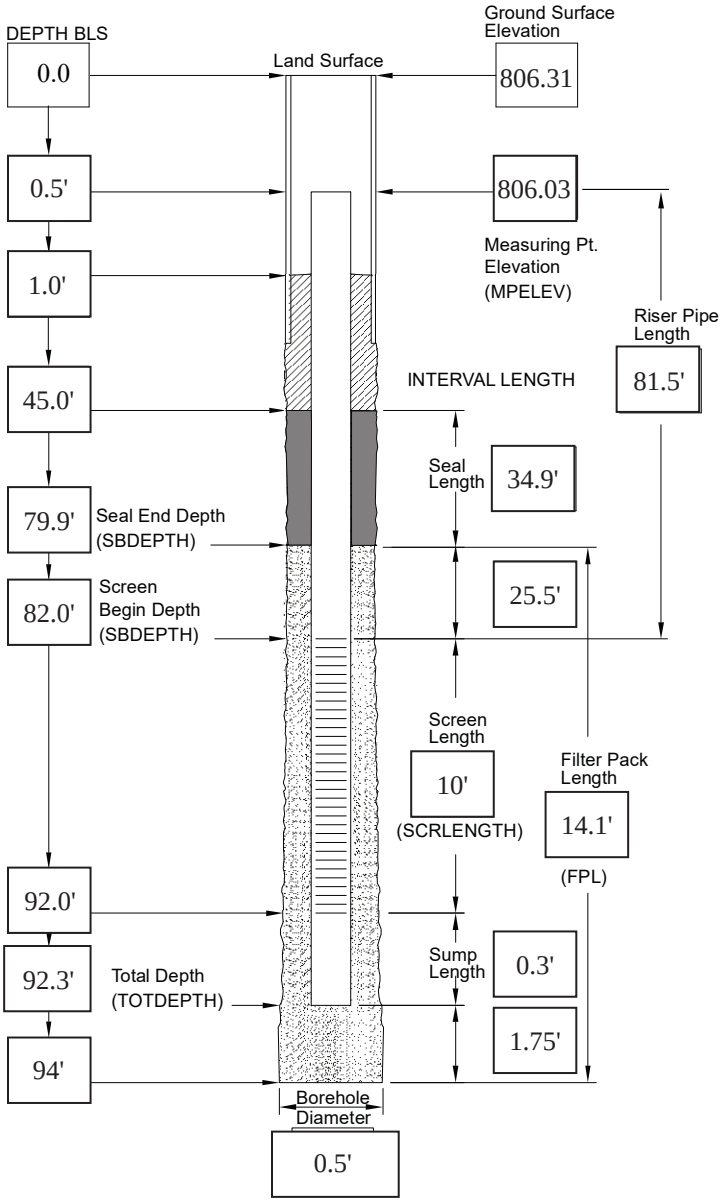
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-34D
Drilling Company: Thompson Engineering
Drillers: R. Odom
Geologist/Engineer: A. Tomlinson
Signature: Amanda Tomlinson Digitally signed by Amanda Tomlinson Date: 2025.04.21 14:20:43 -04'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 3/9/25
Well Type (WTCCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill/residual boundary



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: 1' Weep Hole NO
Grout
Composition/Proportions:
1:1 Aquaguard to Quikrete
Placement Method: Tremie pipe

Seal Date: 3/9/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand
Source: Southern Products & Silica Co / Filtersil
Amount Used: 2.5 cubic ft (5 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Pellets to 76.8'
Chips to 45' (7 bags)
Depth to water 28.45' below top of casing
Sealant used: 0.78 cubic ft pellets, 7.95 cubic ft chips

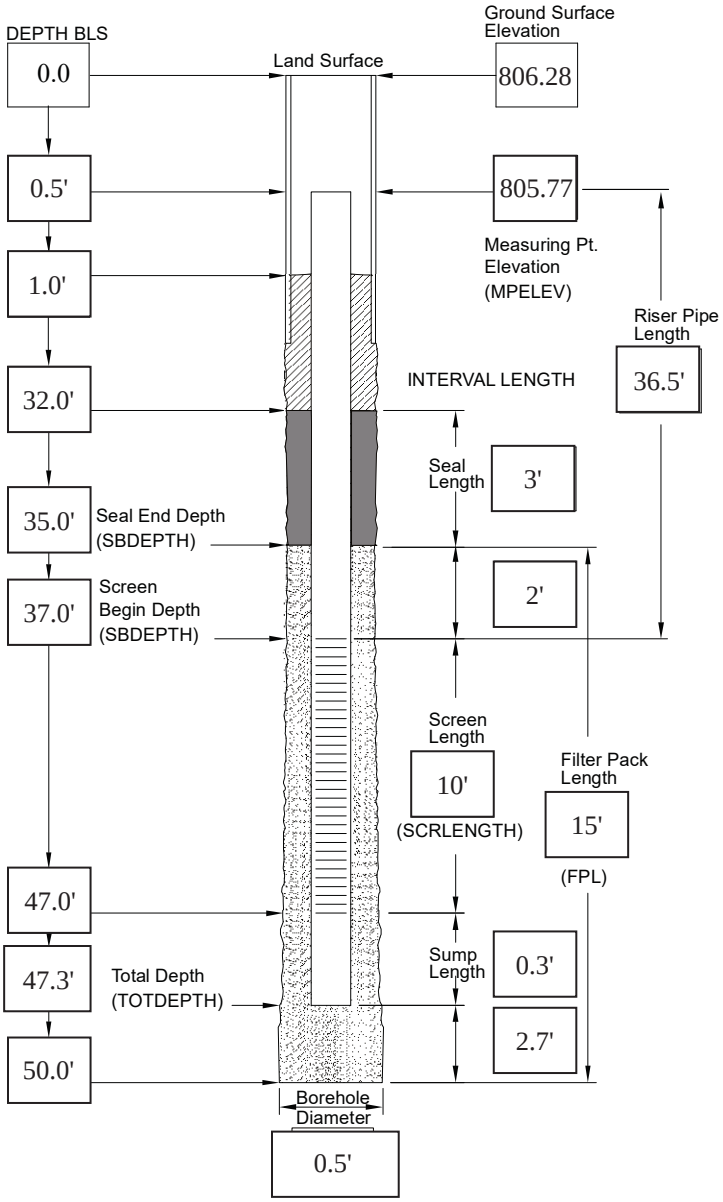
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-34S
Drilling Company: Thompson Engineering
Drillers: R. Odom
Geologist/Engineer: A. Tomlinson
Signature: Amanda Tomlinson Digitally signed by Amanda Tomlinson Date: 2025.04.21 14:23:14 -04'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 3/19/25
Well Type (WTCCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill material



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: 1' Weep Hole NO
Grout
Composition/Proportions:
2-50 lbs bags Aquaguard & 2 94-lbs bags Quikrete
Placement Method: Tremie pipe

Seal Date: 3/19/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand
Source: Southern Products & Silica Co / Filtersil
Amount Used: 3 cubic ft (6 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (YES
Material: Bentonite chips
Placement Method: Gravity pour
Set-up/Hydration Time: 45 minutes
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Drilled to 80', backfilled with chips to 50' (3 bags)
Depth to water 21.08' below top of casing
Sealant used: 0.75 cubic ft

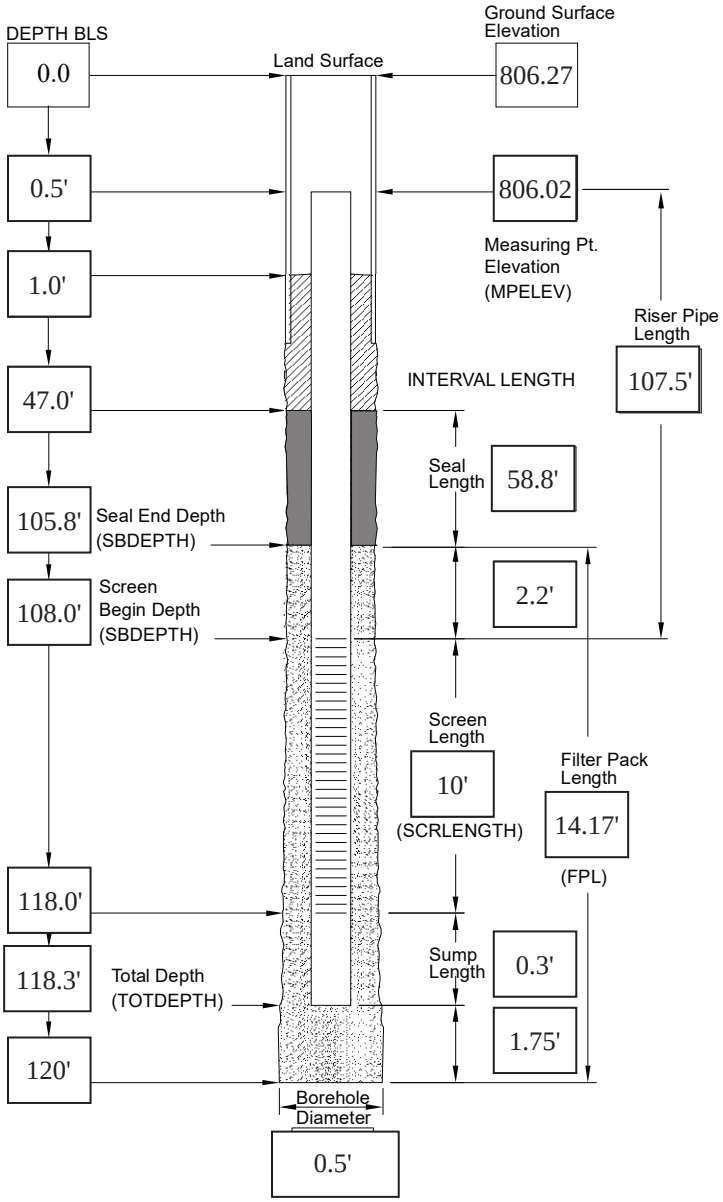
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-35D
Drilling Company: Thompson Engineering
Drillers: R. Odom
Geologist/Engineer: A. Tomlinson
Signature: Amanda Tomlinson Digitally signed by Amanda Tomlinson Date: 2025.04.21 14:24:44 -04'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 3/6/25
Well Type (WTCCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill/Residual boundar



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: 1' Weep Hole NO
Grout
Composition/Proportions:
1:1 Aquaguard to Quikrete cement
Placement Method: Tremie pipe

Seal Date: 3/6/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: Overnight
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand
Source: Southern products & silica / Filtersil
Amount Used: 3 cubic ft (6 50-lb bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Pellets to 102.33' (3.5' seal), chips to 47' (9 bags)
Depth to water 28.73' below top of casing
Sealent used: 0.88 cubic ft pellets, 13.8 cubic ft chips

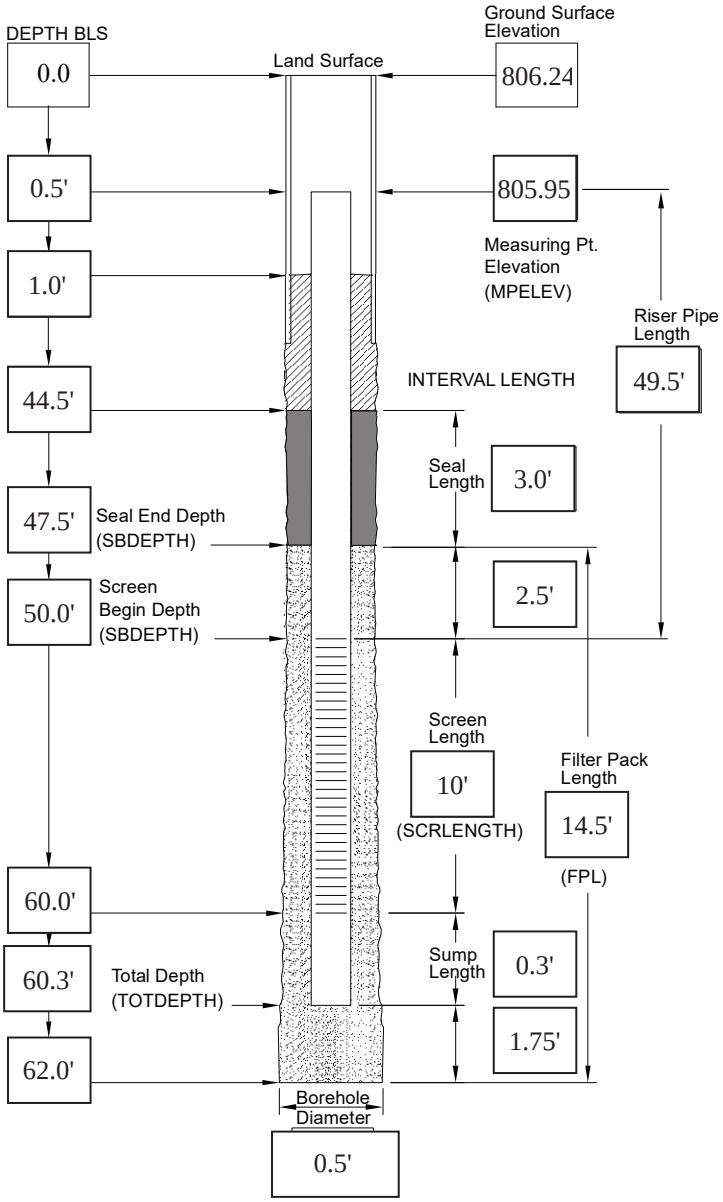
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-35S
Drilling Company: Thompson Engineering
Drillers: R. Odum
Geologist/Engineer: A. Tomlinson
Signature: Amanda Tomlinson Digitally signed by Amanda Tomlinson Date: 2025.04.21 14:26:45 -04'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 2/26/25
Well Type (WTCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill material



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: 1' Weep Hole NO
Grout
Composition/Proportions:
1:1 Aquaguard to Quikrete cement
Placement Method: Tremie pipe

Seal Date: 2/26/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: Overnight
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand
Source: Southern products & silica / Filtersil
Amount Used: 2.5 cubic ft (5 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Depth to water 21.20' below top of casing
Sealant used: 0.75 cubic ft

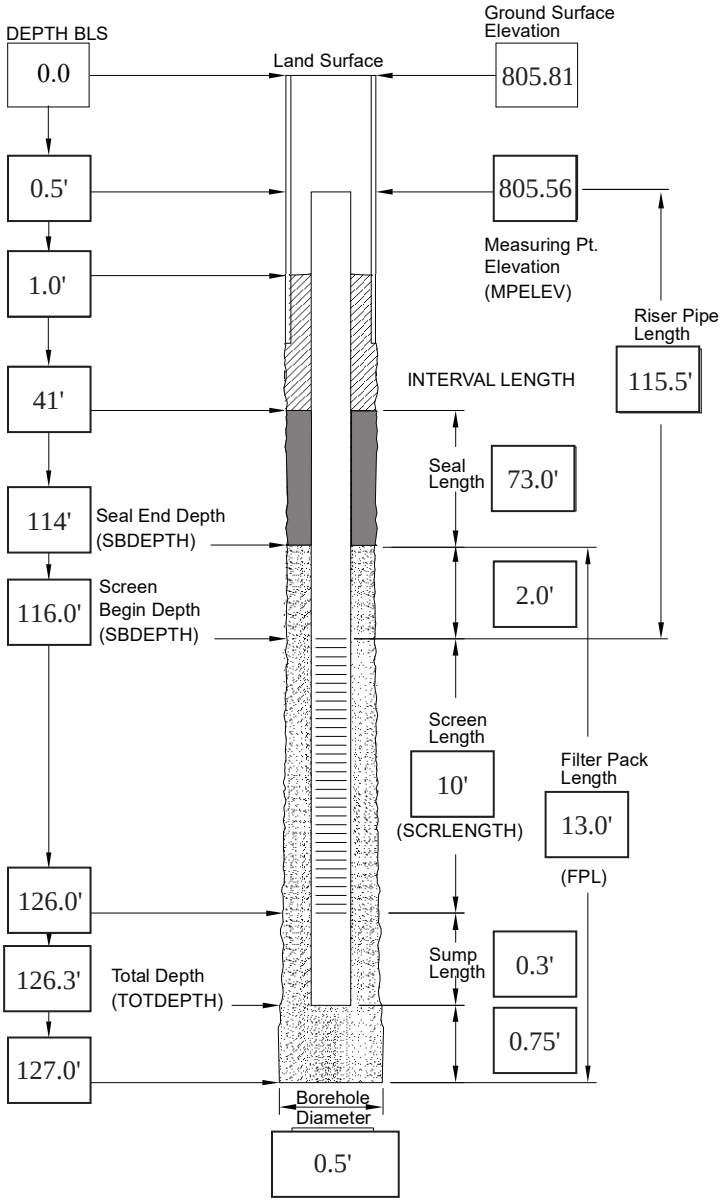
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-36D
Drilling Company: Thompson Engineering
Drillers: R. Odom
Geologist/Engineer: A. Tomlinson
Signature: Amanda Tomlinson Digitally signed by Amanda Tomlinson Date: 2025.04.21 14:29:02 -04'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 2/24/25
Well Type (WTCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill/Residual boundar



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: _____ Weep Hole NO
Grout
Composition/Proportions:
1:1 Aquaguard to Quikrete cement
Placement Method: Tremie pipe

Seal Date: 2/24/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: Overnight
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand
Source: Southern Products & Silica Co / Filtersil
Amount Used: 3 cubic ft (6 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Pellets to 111' (1 bucket), chips to 41' bgs (16 bags)
Depth to water 25.53' below top of casing
Sealant used: 0.75 cubic ft pellets, 17.5 cubic ft chips

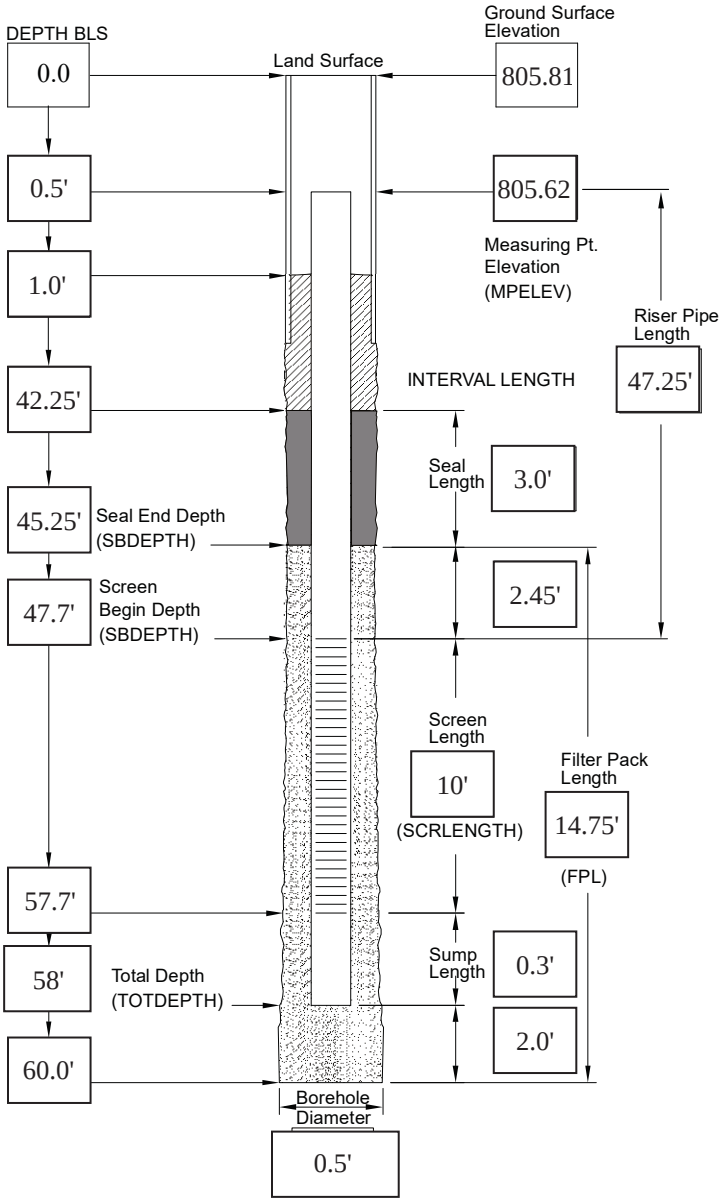
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-36S
Drilling Company: Thompson Engineering
Drillers: R. Odom
Geologist/Engineer: A. Tomlinson
Signature: Amanda Tomlinson Digitally signed by Amanda Tomlinson Date: 2025.04.21 14:29:59 -04'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 2/21/25
Well Type (WTCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill material



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: _____ Weep Hole NO
Grout
Composition/Proportions:
1:1 Aquaguard to Quikrete cement
Placement Method: Tremie pipe

Seal Date: 2/21/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: Overnight
Placement Method: Gravity pour
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand
Source: Southern products & silica / Filtersil
Amount Used: 4.5 cubic ft (9 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (YES
Material: Aquaguard / Bentonite Chips
Placement Method: Tremie pipe / Gravity pour
Set-up/Hydration Time: 1.5 hours
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Depth to water 26.34' below top of casing
Sealant used: 0.75 cubic ft

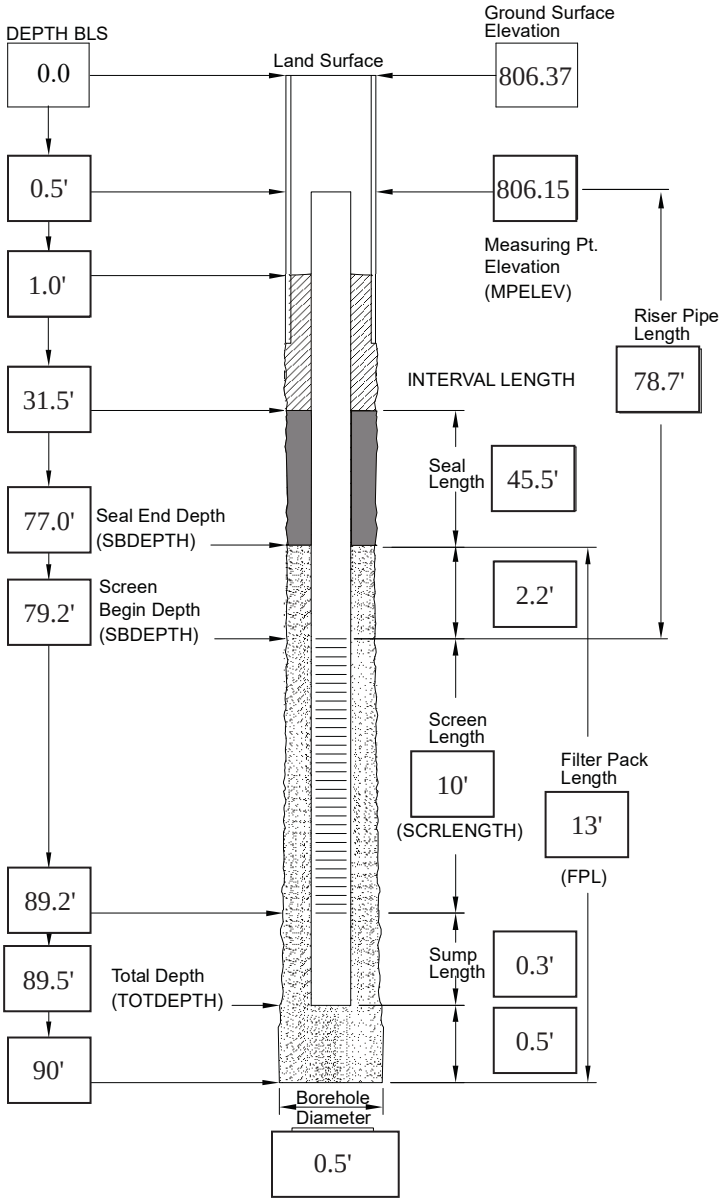
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-38D
Drilling Company: Thompson Engineering
Drillers: R. Odom
Geologist/Engineer: G. Kouvatsis
Signature: Giannis Kouvatsis Digitally signed by Giannis Kouvatsis Date: 2025.04.21 13:38:28 -05'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 1/31/25
Well Type (WTCCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill/PWR boundary



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: _____ Weep Hole NO
Grout
Composition/Proportions:
1:4 Aquaguard to Quikrete mx - 30 gallons
Placement Method: Tremie pipe

Seal Date: 1/31/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: 2 hours
Placement Method: Gravity pour, 1.25 buckets
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand - Consolidate aggregates
Source: Southern Products & Silica Co
Amount Used: 2.75 cubic ft (5.5 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Pellets to 73.9', chips to 31.5'
Depth to water 26.74' below top of casing
Sealant used: 0.75 cubic ft pellets, 10.6 cubic ft chips

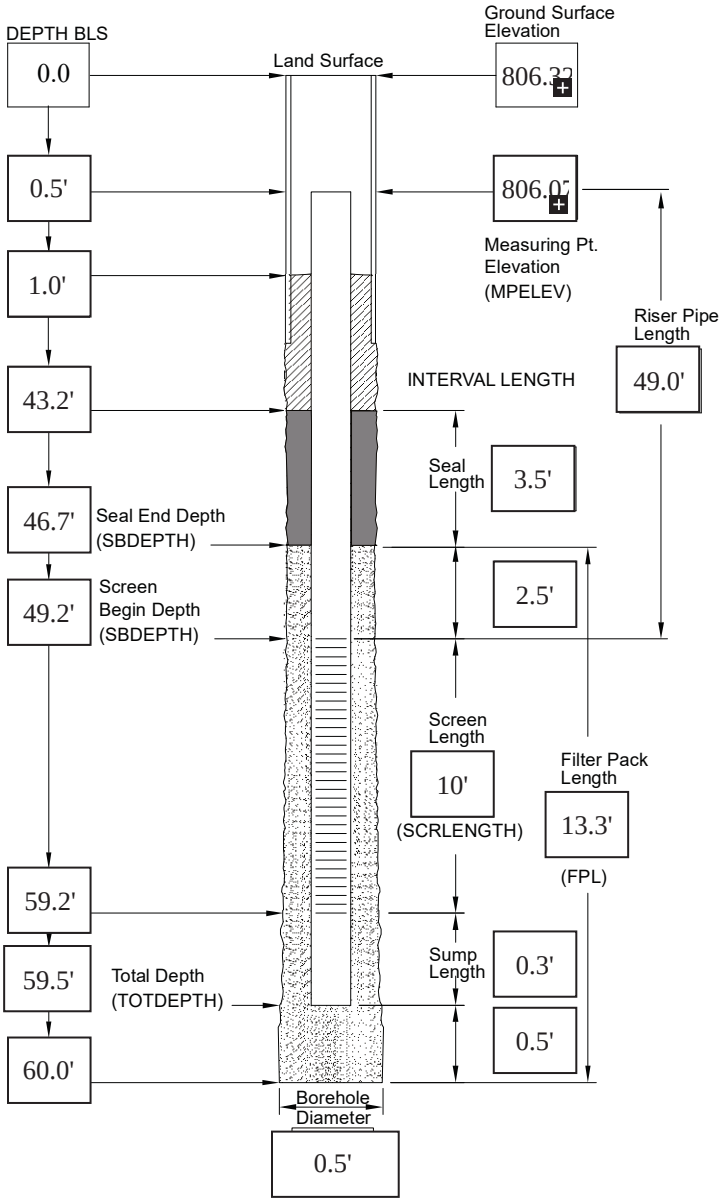
Project # GW11293

FORM C
Fieldbook _____

WELL CONSTRUCTION LOG
STANDARD FLUSH MOUNT

Well I.D. (LOCID): WGWC-38S
Drilling Company: Thompson Engineering
Drillers: R. Odom
Geologist/Engineer: G. Kouvatsis
Signature: Giannis Kouvatsis Digitally signed by Giannis Kouvatsis Date: 2025.04.21 13:38:47 -05'00'

Site: Plant Wansley
Installation Method: Mud rotary
Casing Installation Date (INSDATE): 2/2/25
Well Type (WTCCODE): Monitoring well
Well Completion Method (WCMCODE): Flush mount
Geologic Completion Zone (GZCODE): Fill material



Well Completion
Guard Posts NO Date: 3/21/25
Surface Pad Size: 4 ft x 4 ft
Protective Casing or Cover
Diameter/Type: 12" manhole
Depth BGS: 1' Weep Hole NO
Grout
Composition/Proportions:
1:4 Aquaguard to Quikrete mix - 20 gallons
Placement Method: Tremie pipe

Seal Date: 2/2/25
Type: Coated bentonite pellets 3/8"
Source: 5 gal bucket PelPlug
Set-up/Hydration Time: Overnight
Placement Method: Gravity
Vol. Fluid Added: N/A
Filter Pack
Type: 20/40 Silica sand - Consolidate aggregates
Source: Southern Products & Silica Co
Amount Used: 2 cubic ft (4 50-lbs bags)
Placement Method: Gravity pour
Well Riser Pipe
Casing Material (CMACODE): Sch 40 PVC
Casing Inside Diameters (CASDIAM): 2 in.
Screen
Material: SCV 40 PVC
Inside Diameter (SCRDIAM): 2 in.
Screen Slot Size: (SOUA): 0.010 in.
Percent Open Area (PCTOPEN): _____
Sump or Bottom Cap (YES
Type/Length: 0.3' Sch 40 PVC
Backfill Plug (NO
Material: N/A
Placement Method: N/A
Set-up/Hydration Time: N/A
Total Water Volume During Construction
Introduced (Gal): 50
Recovered (Gal): 50
Reviewed
By: Dalton Kegley Date: 4/21/2025

Comments
Depth to water 25.41' below top of casing
Sealant used: 0.88 cubic ft

APPENDIX C

Well Development and Equipment Calibration Forms

Low-Flow Test Report:

Test Date / Time: 3/19/2025 2:56:18 PM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-30 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.54 ft** **Total Depth: 33.54 ft** **Initial Depth to Water: 20.8 ft**	**Pump Type: Monsoon** **Tubing Type: Poly** **Pump Intake From TOC: 30 ft** **Estimated Total Volume Pumped: 40 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 1.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Surge with surge block for 15 minutes. Purge and surge 22.5 gallons with reclaimer pump until water became visibly clear. Switched to monsoon pump for rest of development. Removed a combined 33 gallons from the well.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/19/2025 2:56 PM	00:00	5.71 pH	19.76 °C	36.33 µS/cm	6.50 mg/L	1,000.00 NTU	86.8 mV	21.80 ft	400.00 ml/min
3/19/2025 3:01 PM	05:00	5.71 pH	19.07 °C	37.33 µS/cm	6.48 mg/L	1,000.00 NTU	97.5 mV	21.87 ft	400.00 ml/min
3/19/2025 3:06 PM	10:00	5.72 pH	19.05 °C	40.19 µS/cm	6.35 mg/L	877.00 NTU	72.2 mV	21.87 ft	400.00 ml/min
3/19/2025 3:11 PM	15:00	5.71 pH	19.14 °C	39.14 µS/cm	6.31 mg/L	355.00 NTU	69.0 mV	21.87 ft	400.00 ml/min
3/19/2025 3:16 PM	20:00	5.70 pH	18.95 °C	38.64 µS/cm	6.30 mg/L	129.00 NTU	67.5 mV	21.87 ft	400.00 ml/min
3/19/2025 3:21 PM	25:00	5.68 pH	19.33 °C	38.15 µS/cm	6.24 mg/L	98.90 NTU	65.2 mV	21.87 ft	400.00 ml/min
3/19/2025 3:26 PM	30:00	5.67 pH	19.67 °C	36.66 µS/cm	6.37 mg/L	77.20 NTU	67.7 mV	21.87 ft	400.00 ml/min
3/19/2025 3:31 PM	35:00	5.65 pH	19.79 °C	36.49 µS/cm	6.34 mg/L	54.30 NTU	68.3 mV	21.87 ft	400.00 ml/min
3/19/2025 3:36 PM	40:00	5.65 pH	19.67 °C	35.92 µS/cm	6.34 mg/L	38.10 NTU	68.2 mV	21.87 ft	400.00 ml/min
3/19/2025 3:41 PM	45:00	5.65 pH	19.76 °C	35.33 µS/cm	6.27 mg/L	33.60 NTU	67.9 mV	21.87 ft	400.00 ml/min
3/19/2025 3:46 PM	50:00	5.62 pH	19.69 °C	34.43 µS/cm	6.35 mg/L	58.90 NTU	69.1 mV	21.87 ft	400.00 ml/min
3/19/2025 3:51 PM	55:00	5.63 pH	19.53 °C	35.37 µS/cm	6.29 mg/L	36.70 NTU	68.5 mV	21.87 ft	400.00 ml/min
3/19/2025 3:56 PM	01:00:00	5.63 pH	19.26 °C	35.50 µS/cm	6.30 mg/L	27.80 NTU	68.2 mV	21.87 ft	400.00 ml/min
3/19/2025 4:01 PM	01:05:00	5.62 pH	19.31 °C	35.10 µS/cm	6.28 mg/L	22.60 NTU	68.2 mV	21.87 ft	400.00 ml/min
3/19/2025 4:06 PM	01:10:00	5.63 pH	19.31 °C	34.77 µS/cm	6.29 mg/L	18.30 NTU	69.9 mV	21.87 ft	400.00 ml/min

3/19/2025 4:11 PM	01:15:00	5.62 pH	19.48 °C	34.47 µS/cm	6.29 mg/L	16.10 NTU	68.4 mV	21.87 ft	400.00 ml/min
3/19/2025 4:16 PM	01:20:00	5.61 pH	19.40 °C	33.84 µS/cm	6.31 mg/L	12.80 NTU	68.5 mV	21.87 ft	400.00 ml/min
3/19/2025 4:21 PM	01:25:00	5.61 pH	19.19 °C	33.81 µS/cm	6.36 mg/L	10.40 NTU	68.4 mV	21.87 ft	400.00 ml/min
3/19/2025 4:26 PM	01:30:00	5.61 pH	19.23 °C	33.59 µS/cm	6.38 mg/L	7.93 NTU	68.6 mV	21.87 ft	400.00 ml/min
3/19/2025 4:31 PM	01:35:00	5.60 pH	19.17 °C	33.45 µS/cm	6.33 mg/L	5.17 NTU	68.6 mV	21.87 ft	400.00 ml/min
3/19/2025 4:36 PM	01:40:00	5.59 pH	19.09 °C	33.05 µS/cm	6.37 mg/L	4.94 NTU	70.1 mV	21.87 ft	400.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/18/2025 3:04:04 PM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-31S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.58 ft** **Total Depth: 42.58 ft** **Initial Depth to Water: 27.76 ft**	**Pump Type: Reclaimer** **Tubing Type: Poly** **Pump Intake From TOC: 40 ft** **Estimated Total Volume Pumped: 21 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 1.5 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
iPad dying. Switch. Log 1/2

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/18/2025 3:04 PM	00:00	5.61 pH	23.82 °C	67.19 µS/cm	5.17 mg/L	98.10 NTU	107.4 mV	29.20 ft	300.00 ml/min
3/18/2025 3:09 PM	05:00	5.56 pH	24.77 °C	66.42 µS/cm	4.30 mg/L	46.70 NTU	131.1 mV	29.24 ft	300.00 ml/min
3/18/2025 3:14 PM	10:00	5.55 pH	26.18 °C	66.62 µS/cm	4.20 mg/L	41.00 NTU	131.7 mV	29.50 ft	300.00 ml/min
3/18/2025 3:19 PM	15:00	5.57 pH	25.95 °C	66.80 µS/cm	4.10 mg/L	40.60 NTU	128.9 mV	29.26 ft	300.00 ml/min
3/18/2025 3:24 PM	20:00	5.56 pH	24.86 °C	65.09 µS/cm	4.19 mg/L	32.40 NTU	129.1 mV	29.26 ft	300.00 ml/min
3/18/2025 3:29 PM	25:00	5.57 pH	24.33 °C	65.51 µS/cm	4.13 mg/L	50.00 NTU	125.8 mV	29.26 ft	300.00 ml/min
3/18/2025 3:34 PM	30:00	5.58 pH	24.45 °C	66.61 µS/cm	3.98 mg/L	51.40 NTU	121.9 mV	29.26 ft	300.00 ml/min
3/18/2025 3:39 PM	35:00	5.58 pH	25.27 °C	67.51 µS/cm	3.92 mg/L	40.30 NTU	121.0 mV	29.26 ft	300.00 ml/min
3/18/2025 3:44 PM	40:00	5.57 pH	25.29 °C	67.45 µS/cm	3.89 mg/L	40.10 NTU	121.0 mV	29.26 ft	300.00 ml/min
3/18/2025 3:49 PM	45:00	5.60 pH	25.00 °C	69.63 µS/cm	3.68 mg/L	65.70 NTU	116.1 mV	29.26 ft	300.00 ml/min
3/18/2025 3:54 PM	50:00	5.59 pH	25.25 °C	68.39 µS/cm	4.02 mg/L	64.90 NTU	118.0 mV	29.26 ft	300.00 ml/min
3/18/2025 3:59 PM	55:00	5.58 pH	25.97 °C	67.80 µS/cm	3.98 mg/L	42.00 NTU	92.8 mV	29.26 ft	300.00 ml/min
3/18/2025 4:04 PM	01:00:00	5.57 pH	26.51 °C	67.89 µS/cm	4.02 mg/L	32.30 NTU	117.9 mV	29.26 ft	300.00 ml/min
3/18/2025 4:09 PM	01:05:00	5.58 pH	26.64 °C	68.29 µS/cm	3.95 mg/L	35.70 NTU	93.0 mV	29.26 ft	300.00 ml/min
3/18/2025 4:14 PM	01:10:00	5.62 pH	26.82 °C	71.25 µS/cm	3.62 mg/L	53.30 NTU	88.5 mV	29.26 ft	300.00 ml/min

Low-Flow Test Report:

Test Date / Time: 3/18/2025 4:38:03 PM
Project: Plant Wansley Developments
Operator Name: D. Johnson

Location Name: WGWC-31S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.58 ft** **Total Depth: 42.58 ft** **Initial Depth to Water: 29.4 ft**	**Pump Type: Monsoon** **Tubing Type: Poly** **Pump Intake From TOC: 40 ft** **Estimated Total Volume Pumped: 17.5 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 350 ml/min** **Final Draw Down: 0.56 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Log 2 of 3

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/18/2025 4:38 PM	00:00	5.69 pH	21.29 °C	71.83 µS/cm	3.52 mg/L	552.00 NTU	88.0 mV	29.40 ft	350.00 ml/min
3/18/2025 4:43 PM	05:00	5.68 pH	20.34 °C	69.60 µS/cm	3.59 mg/L	488.00 NTU	90.4 mV	29.82 ft	350.00 ml/min
3/18/2025 4:48 PM	10:00	5.64 pH	20.36 °C	67.77 µS/cm	3.93 mg/L	349.00 NTU	93.2 mV	29.89 ft	350.00 ml/min
3/18/2025 4:53 PM	15:00	5.63 pH	20.39 °C	65.15 µS/cm	3.96 mg/L	95.80 NTU	92.1 mV	29.92 ft	350.00 ml/min
3/18/2025 4:58 PM	20:00	5.63 pH	20.20 °C	65.52 µS/cm	4.03 mg/L	68.70 NTU	91.3 mV	29.94 ft	350.00 ml/min
3/18/2025 5:03 PM	25:00	5.61 pH	20.38 °C	64.93 µS/cm	4.10 mg/L	50.30 NTU	90.8 mV	29.96 ft	350.00 ml/min
3/18/2025 5:08 PM	30:00	5.62 pH	20.38 °C	64.81 µS/cm	4.10 mg/L	32.60 NTU	90.2 mV	29.96 ft	350.00 ml/min
3/18/2025 5:13 PM	35:00	5.61 pH	20.23 °C	65.03 µS/cm	4.13 mg/L	21.20 NTU	90.0 mV	29.96 ft	350.00 ml/min
3/18/2025 5:18 PM	40:00	5.62 pH	20.34 °C	65.25 µS/cm	4.05 mg/L	18.00 NTU	89.3 mV	29.96 ft	350.00 ml/min
3/18/2025 5:23 PM	45:00	5.62 pH	20.41 °C	65.53 µS/cm	4.00 mg/L	14.00 NTU	113.4 mV	29.96 ft	350.00 ml/min
3/18/2025 5:28 PM	50:00	5.62 pH	20.07 °C	66.25 µS/cm	3.97 mg/L	19.20 NTU	114.6 mV	29.96 ft	350.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/19/2025 8:41:33 AM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-31S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.58 ft** **Total Depth: 42.58 ft** **Initial Depth to Water: 27.86 ft**	**Pump Type: Monsoon** **Tubing Type: Poly** **Pump Intake From TOC: 39 ft** **Estimated Total Volume Pumped: 9 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 8.28 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Log 3/3. Surged with surge block for 15 minutes then switched to reclaimer and purged until water became visibly clear. Switched to monsoon pump for remainder of development. Removed 42.5 combined gallons from well.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/19/2025 8:41 AM	00:00	8.17 pH	9.15 °C	99.00 µS/cm	10.12 mg/L	78.90 NTU	199.3 mV	27.86 ft	300.00 ml/min
3/19/2025 8:46 AM	05:00	5.73 pH	16.00 °C	71.89 µS/cm	2.89 mg/L	41.80 NTU	111.4 mV	28.11 ft	300.00 ml/min
3/19/2025 8:51 AM	10:00	5.69 pH	16.35 °C	68.66 µS/cm	2.91 mg/L	20.70 NTU	109.5 mV	28.43 ft	300.00 ml/min
3/19/2025 8:56 AM	15:00	5.66 pH	16.89 °C	66.51 µS/cm	3.17 mg/L	13.30 NTU	107.3 mV	28.52 ft	300.00 ml/min
3/19/2025 9:01 AM	20:00	5.64 pH	16.89 °C	63.99 µS/cm	3.47 mg/L	10.30 NTU	104.0 mV	28.54 ft	300.00 ml/min
3/19/2025 9:06 AM	25:00	5.61 pH	17.13 °C	62.53 µS/cm	3.74 mg/L	5.93 NTU	101.5 mV	28.55 ft	300.00 ml/min
3/19/2025 9:11 AM	30:00	5.60 pH	17.17 °C	61.80 µS/cm	3.80 mg/L	4.76 NTU	98.8 mV	28.55 ft	300.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 4/29/2025 3:27:10 PM
Project: Plant Wansley Ash Pond Development
Operator Name: D. Johnson

Location Name: WGWC-31D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80.32 ft** **Total Depth: 90.32 ft** **Initial Depth to Water: 72.02 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 87 ft** **Estimated Total Volume Pumped: 8500 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 10.96 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Well going dry. Site closing. Return 4-30-25

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	
4/29/2025 3:27 PM	00:00	7.79 pH	30.53 °C	435.86 µS/cm	0.02 mg/L	1,000.00 NTU	-193.5 mV	72.02 ft	100.00 ml/min
4/29/2025 3:32 PM	05:00	7.87 pH	30.68 °C	422.20 µS/cm	0.00 mg/L	1,000.00 NTU	-224.1 mV	73.05 ft	100.00 ml/min
4/29/2025 3:37 PM	10:00	7.95 pH	28.38 °C	381.65 µS/cm	0.00 mg/L	1,000.00 NTU	-216.9 mV	73.86 ft	100.00 ml/min
4/29/2025 3:42 PM	15:00	7.98 pH	25.72 °C	358.77 µS/cm	0.01 mg/L	1,000.00 NTU	-219.1 mV	74.10 ft	100.00 ml/min
4/29/2025 3:47 PM	20:00	7.95 pH	21.70 °C	334.79 µS/cm	0.21 mg/L	1,000.00 NTU	-193.6 mV	74.89 ft	100.00 ml/min
4/29/2025 3:52 PM	25:00	7.98 pH	21.32 °C	327.22 µS/cm	0.18 mg/L	1,000.00 NTU	-189.4 mV	75.34 ft	100.00 ml/min
4/29/2025 3:57 PM	30:00	7.96 pH	21.59 °C	327.10 µS/cm	0.31 mg/L	1,000.00 NTU	-176.9 mV	76.40 ft	100.00 ml/min
4/29/2025 4:02 PM	35:00	7.97 pH	21.51 °C	326.60 µS/cm	0.33 mg/L	1,000.00 NTU	-172.9 mV	77.02 ft	100.00 ml/min
4/29/2025 4:07 PM	40:00	8.00 pH	21.21 °C	319.09 µS/cm	0.22 mg/L	1,000.00 NTU	-173.2 mV	77.71 ft	100.00 ml/min
4/29/2025 4:12 PM	45:00	7.98 pH	21.65 °C	320.87 µS/cm	0.20 mg/L	1,000.00 NTU	-183.8 mV	78.52 ft	100.00 ml/min
4/29/2025 4:17 PM	50:00	8.03 pH	21.33 °C	314.56 µS/cm	0.21 mg/L	706.00 NTU	-172.9 mV	79.44 ft	175.00 ml/min
4/29/2025 4:22 PM	55:00	8.02 pH	21.97 °C	314.61 µS/cm	0.22 mg/L	551.00 NTU	-163.7 mV	80.08 ft	175.00 ml/min
4/29/2025 4:27 PM	01:00:00	8.04 pH	21.21 °C	312.34 µS/cm	0.28 mg/L	412.00 NTU	-156.2 mV	81.77 ft	175.00 ml/min
4/29/2025 4:32 PM	01:05:00	8.07 pH	21.14 °C	309.49 µS/cm	0.40 mg/L	302.00 NTU	-148.9 mV	82.27 ft	175.00 ml/min
4/29/2025 4:37 PM	01:10:00	8.05 pH	22.23 °C	309.86 µS/cm	0.51 mg/L	302.00 NTU	-138.8 mV	82.98 ft	175.00 ml/min

Low-Flow Test Report:

Test Date / Time: 4/30/2025 9:56:24 AM
Project: Plant Wansley Ash Pond Development
Operator Name: D. Johnson

Location Name: WGWC-31D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80.32 ft** **Total Depth: 90.32 ft** **Initial Depth to Water: 81.78 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 88 ft** **Estimated Total Volume Pumped: 9750 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 7.34 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Well dry. Return 5-1-25

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	
4/30/2025 9:56 AM	00:00	7.86 pH	21.28 °C	336.08 µS/cm	5.54 mg/L	237.00 NTU	189.7 mV	81.78 ft	100.00 ml/min
4/30/2025 10:01 AM	05:00	7.94 pH	20.29 °C	338.65 µS/cm	0.91 mg/L	93.00 NTU	187.4 mV	83.02 ft	100.00 ml/min
4/30/2025 10:06 AM	10:00	7.95 pH	19.78 °C	335.67 µS/cm	0.33 mg/L	82.80 NTU	187.4 mV	83.37 ft	100.00 ml/min
4/30/2025 10:11 AM	15:00	7.94 pH	19.52 °C	331.30 µS/cm	0.26 mg/L	75.70 NTU	181.9 mV	83.42 ft	100.00 ml/min
4/30/2025 10:16 AM	20:00	7.93 pH	19.11 °C	329.87 µS/cm	0.22 mg/L	73.50 NTU	176.8 mV	83.42 ft	100.00 ml/min
4/30/2025 10:21 AM	25:00	7.94 pH	19.14 °C	341.46 µS/cm	0.19 mg/L	90.70 NTU	12.8 mV	83.82 ft	100.00 ml/min
4/30/2025 10:26 AM	30:00	7.92 pH	18.84 °C	300.70 µS/cm	0.15 mg/L	87.90 NTU	126.7 mV	84.11 ft	100.00 ml/min
4/30/2025 10:31 AM	35:00	7.85 pH	19.05 °C	286.76 µS/cm	0.20 mg/L	97.00 NTU	143.1 mV	84.47 ft	100.00 ml/min
4/30/2025 10:36 AM	40:00	7.78 pH	19.17 °C	291.54 µS/cm	0.21 mg/L	226.00 NTU	70.0 mV	84.79 ft	100.00 ml/min
4/30/2025 10:41 AM	45:00	7.66 pH	18.84 °C	312.07 µS/cm	0.16 mg/L	849.00 NTU	-109.2 mV	85.41 ft	100.00 ml/min
4/30/2025 10:46 AM	50:00	7.55 pH	19.61 °C	332.23 µS/cm	0.12 mg/L	873.00 NTU	-143.2 mV	85.89 ft	100.00 ml/min
4/30/2025 10:51 AM	55:00	7.50 pH	19.14 °C	349.99 µS/cm	0.10 mg/L	999.00 NTU	-155.4 mV	86.27 ft	100.00 ml/min
4/30/2025 10:56 AM	01:00:00	7.49 pH	19.06 °C	360.67 µS/cm	0.10 mg/L	1,000.00 NTU	-162.9 mV	86.78 ft	150.00 ml/min
4/30/2025 11:01 AM	01:05:00	7.49 pH	19.31 °C	370.04 µS/cm	0.07 mg/L	1,000.00 NTU	-168.9 mV	87.21 ft	150.00 ml/min
4/30/2025 11:06 AM	01:10:00	7.50 pH	19.77 °C	378.71 µS/cm	0.05 mg/L	1,000.00 NTU	-176.5 mV	87.75 ft	150.00 ml/min

4/30/2025 11:11 AM	01:15:00	7.52 pH	19.88 °C	383.86 µS/cm	0.06 mg/L	1,000.00 NTU	-183.5 mV	88.27 ft	150.00 ml/min
4/30/2025 11:16 AM	01:20:00	7.54 pH	20.00 °C	390.98 µS/cm	0.06 mg/L	1,000.00 NTU	-186.8 mV	88.65 ft	150.00 ml/min
4/30/2025 11:21 AM	01:25:00	7.55 pH	20.16 °C	397.12 µS/cm	0.05 mg/L	1,000.00 NTU	-185.1 mV	89.12 ft	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/7/2025 1:23:44 PM
Project: Plant Wansley AshPonds
Operator Name: J. Berisford

Location Name: WGWC-31D **Latitude: 33.50106947084931** **Longitude: -85.08157249897373** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80 ft** **Total Depth: 90.34 ft** **Initial Depth to Water: 86.82 ft**	**Pump Type: Bailer** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Flow Cell Volume: 130 ml** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Bailed well dry

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.5
5/7/2025 1:23 PM	00:00	8.01 pH	22.56 °C	321.72 µS/cm	1.36 mg/L	1,000.00 NTU	-104.7 mV	86.82 ft
5/7/2025 1:24 PM	01:00	8.02 pH	22.88 °C	323.05 µS/cm	0.94 mg/L	1,000.00 NTU	-109.5 mV	86.82 ft

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/8/2025 9:42:44 AM
Project: Plant Wansley AshPonds
Operator Name: J. Berisford

Location Name: WGWC-31D **Latitude: 33.50106947084931** **Longitude: -85.08157249897373** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80 ft** **Total Depth: 90.34 ft** **Initial Depth to Water: 89.57 ft**	**Pump Type: Bailer** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Flow Cell Volume: 130 ml** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.5
5/8/2025 9:42 AM	00:00	8.08 pH	19.87 °C	327.23 µS/cm	3.55 mg/L	31.00 NTU	187.9 mV	89.57 ft

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/17/2025 3:25:11 PM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-32 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.41 ft** **Total Depth: 34.41 ft** **Initial Depth to Water: 18.3 ft**	**Pump Type: Reclaimer** **Tubing Type: Poly** **Pump Intake From TOC: 33.41 ft** **Estimated Total Volume Pumped: 44 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 500 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Surge with surge block for 15 minutes, switched to reclaimer. End 1650. Site closing. Return 3-18-2025.
Log1/2

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/17/2025 3:25 PM	00:00	5.35 pH	18.33 °C	152.03 µS/cm	3.21 mg/L	48.10 NTU	98.4 mV	18.30 ft	500.00 ml/min
3/17/2025 3:30 PM	05:00	5.35 pH	18.42 °C	150.51 µS/cm	3.15 mg/L	35.40 NTU	87.6 mV	18.32 ft	500.00 ml/min
3/17/2025 3:35 PM	10:00	5.36 pH	18.18 °C	149.69 µS/cm	3.20 mg/L	32.60 NTU	83.2 mV	18.32 ft	600.00 ml/min
3/17/2025 3:40 PM	15:00	5.34 pH	18.09 °C	148.97 µS/cm	3.20 mg/L	46.80 NTU	81.6 mV	18.32 ft	600.00 ml/min
3/17/2025 3:45 PM	20:00	5.34 pH	17.92 °C	149.80 µS/cm	3.20 mg/L	49.20 NTU	79.2 mV	18.32 ft	600.00 ml/min
3/17/2025 3:50 PM	25:00	5.35 pH	17.98 °C	149.82 µS/cm	3.31 mg/L	32.20 NTU	78.1 mV	18.32 ft	500.00 ml/min
3/17/2025 3:55 PM	30:00	5.34 pH	17.76 °C	148.73 µS/cm	3.22 mg/L	20.30 NTU	77.3 mV	18.32 ft	500.00 ml/min
3/17/2025 4:00 PM	35:00	5.35 pH	17.73 °C	149.37 µS/cm	3.17 mg/L	16.00 NTU	76.1 mV	18.32 ft	500.00 ml/min
3/17/2025 4:05 PM	40:00	5.34 pH	17.68 °C	148.45 µS/cm	3.14 mg/L	13.70 NTU	75.9 mV	18.32 ft	500.00 ml/min
3/17/2025 4:10 PM	45:00	5.34 pH	17.66 °C	148.40 µS/cm	3.15 mg/L	12.50 NTU	75.7 mV	18.32 ft	500.00 ml/min
3/17/2025 4:15 PM	50:00	5.35 pH	17.55 °C	148.71 µS/cm	3.19 mg/L	11.70 NTU	74.9 mV	18.32 ft	500.00 ml/min
3/17/2025 4:20 PM	55:00	5.35 pH	17.62 °C	148.61 µS/cm	3.14 mg/L	11.50 NTU	74.5 mV	18.32 ft	500.00 ml/min
3/17/2025 4:25 PM	01:00:00	5.35 pH	17.64 °C	147.71 µS/cm	3.16 mg/L	11.70 NTU	74.8 mV	18.32 ft	500.00 ml/min
3/17/2025 4:30 PM	01:05:00	5.32 pH	17.62 °C	145.17 µS/cm	3.22 mg/L	16.70 NTU	75.5 mV	18.32 ft	500.00 ml/min
3/17/2025 4:35 PM	01:10:00	5.31 pH	17.53 °C	144.99 µS/cm	3.19 mg/L	12.80 NTU	75.7 mV	18.32 ft	500.00 ml/min

3/17/2025 4:40 PM	01:15:00	5.31 pH	17.37 °C	144.48 µS/cm	3.17 mg/L	10.90 NTU	75.2 mV	18.32 ft	500.00 ml/min
3/17/2025 4:45 PM	01:20:00	5.30 pH	17.52 °C	144.76 µS/cm	3.18 mg/L	8.70 NTU	75.2 mV	18.32 ft	500.00 ml/min
3/17/2025 4:50 PM	01:25:00	5.31 pH	17.73 °C	144.38 µS/cm	3.23 mg/L	20.60 NTU	75.3 mV	18.32 ft	500.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/18/2025 8:43:47 AM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-32 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.41 ft** **Total Depth: 34.41 ft** **Initial Depth to Water: 16.55 ft**	**Pump Type: Reclaimer** **Tubing Type: Poly** **Pump Intake From TOC: 33.41 ft** **Estimated Total Volume Pumped: 15 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 500 ml/min** **Final Draw Down: 14.52 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Surged with surge block for 15 minutes then switched to reclaimer.
Log 2/2.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/18/2025 8:43 AM	00:00	7.15 pH	5.38 °C	128.57 µS/cm	8.27 mg/L	16.10 NTU	72.3 mV	16.55 ft	500.00 ml/min
3/18/2025 8:48 AM	05:00	5.30 pH	10.44 °C	133.03 µS/cm	4.19 mg/L	10.20 NTU	87.3 mV	17.58 ft	500.00 ml/min
3/18/2025 8:53 AM	10:00	5.25 pH	13.91 °C	125.55 µS/cm	3.52 mg/L	7.39 NTU	95.2 mV	17.72 ft	500.00 ml/min
3/18/2025 8:58 AM	15:00	5.24 pH	14.22 °C	125.37 µS/cm	3.32 mg/L	5.13 NTU	95.9 mV	17.75 ft	500.00 ml/min
3/18/2025 9:03 AM	20:00	5.25 pH	13.66 °C	126.68 µS/cm	3.32 mg/L	4.60 NTU	94.6 mV	17.76 ft	500.00 ml/min
3/18/2025 9:08 AM	25:00	5.25 pH	13.94 °C	127.93 µS/cm	3.37 mg/L	3.18 NTU	95.0 mV	17.76 ft	500.00 ml/min
3/18/2025 9:13 AM	30:00	5.24 pH	14.21 °C	129.00 µS/cm	3.23 mg/L	2.61 NTU	93.9 mV	17.76 ft	500.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/18/2025 3:37:12 PM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: WGWC-33 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.71 ft** **Total Depth: 37.71 ft** **Initial Depth to Water: 19.69 ft**	**Pump Type: Monsoon Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 41.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 750 ml/min** **Final Draw Down: 4.91ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
Purged an additional 10 gallons with a reclaimer pump before log started. Removed 21 combined gallons from well.

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	
3/18/2025 3:37 PM	00:00	5.10 pH	20.12 °C	748.18 µS/cm	0.92 mg/L	41.10 NTU	109.3 mV	24.15 ft	750.00 ml/min
3/18/2025 3:42 PM	05:00	5.09 pH	20.11 °C	731.43 µS/cm	0.91 mg/L	28.50 NTU	111.8 mV	24.27 ft	750.00 ml/min
3/18/2025 3:47 PM	10:00	5.08 pH	20.15 °C	729.93 µS/cm	0.94 mg/L	19.70 NTU	110.5 mV	24.33 ft	750.00 ml/min
3/18/2025 3:52 PM	15:00	5.09 pH	20.06 °C	728.36 µS/cm	0.99 mg/L	14.60 NTU	108.4 mV	24.36 ft	750.00 ml/min
3/18/2025 3:57 PM	20:00	5.07 pH	20.04 °C	729.10 µS/cm	0.98 mg/L	12.40 NTU	108.2 mV	24.38 ft	750.00 ml/min
3/18/2025 4:02 PM	25:00	5.07 pH	20.05 °C	725.45 µS/cm	1.02 mg/L	9.98 NTU	105.4 mV	24.41 ft	750.00 ml/min
3/18/2025 4:07 PM	30:00	5.07 pH	20.03 °C	725.78 µS/cm	1.04 mg/L	8.78 NTU	104.9 mV	24.44 ft	750.00 ml/min
3/18/2025 4:12 PM	35:00	5.06 pH	20.02 °C	723.18 µS/cm	1.05 mg/L	7.21 NTU	103.2 mV	24.47 ft	750.00 ml/min
3/18/2025 4:17 PM	40:00	5.05 pH	20.04 °C	719.93 µS/cm	1.05 mg/L	6.23 NTU	104.3 mV	24.51 ft	750.00 ml/min
3/18/2025 4:22 PM	45:00	5.07 pH	20.04 °C	723.92 µS/cm	1.09 mg/L	5.75 NTU	105.0 mV	24.55 ft	750.00 ml/min
3/18/2025 4:27 PM	50:00	5.05 pH	20.02 °C	722.26 µS/cm	1.08 mg/L	5.37 NTU	103.7 mV	24.58 ft	750.00 ml/min
3/18/2025 4:32 PM	55:00	5.04 pH	20.07 °C	716.85 µS/cm	1.10 mg/L	4.82 NTU	103.8 mV	24.60 ft	750.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/25/2025 10:07:14 AM
Project: Plant Wansley
Operator Name: Dalton Kegley

Location Name: WGWC-34D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 83.75 ft** **Total Depth: 94 ft** **Initial Depth to Water: 28.91 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 87 m** **Estimated Total Volume Pumped: 9979.167 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 48000 ml.

Weather Conditions:
Sunny

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
3/25/2025 10:07 AM	00:00	5.80 pH	17.49 °C	1,812.7 µS/cm	0.68 mg/L	28.60 NTU	154.8 mV	32.91 ft	250.00 ml/min
3/25/2025 10:12 AM	05:00	5.82 pH	17.76 °C	1,795.4 µS/cm	0.63 mg/L	17.90 NTU	125.9 mV	32.93 ft	250.00 ml/min
3/25/2025 10:17 AM	10:00	5.80 pH	18.09 °C	1,795.3 µS/cm	0.50 mg/L	18.90 NTU	146.8 mV	32.86 ft	250.00 ml/min
3/25/2025 10:22 AM	14:55	5.78 pH	17.99 °C	1,808.0 µS/cm	0.42 mg/L	13.90 NTU	157.0 mV	32.63 ft	250.00 ml/min
3/25/2025 10:27 AM	19:55	5.75 pH	18.26 °C	1,794.4 µS/cm	0.39 mg/L	14.70 NTU	129.9 mV	32.71 ft	250.00 ml/min
3/25/2025 10:32 AM	24:55	5.74 pH	18.37 °C	1,807.0 µS/cm	0.42 mg/L	10.20 NTU	133.9 mV	32.52 ft	250.00 ml/min
3/25/2025 10:37 AM	29:55	5.74 pH	18.62 °C	1,771.5 µS/cm	0.43 mg/L	7.21 NTU	173.7 mV	32.61 ft	250.00 ml/min
3/25/2025 10:42 AM	34:55	5.73 pH	18.95 °C	1,764.1 µS/cm	0.44 mg/L	3.28 NTU	188.3 mV	32.75 ft	250.00 ml/min
3/25/2025 10:47 AM	39:55	5.73 pH	19.01 °C	1,802.5 µS/cm	0.45 mg/L	3.05 NTU	150.3 mV	32.80 ft	250.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Low-Flow Test Report:

Test Date / Time: 3/27/2025 2:41:05 PM
Project: Plant Wansley (6)
Operator Name: Giannis Kouvatsis

Location Name: WGWC-34S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.75 ft** **Total Depth: 50 ft** **Initial Depth to Water: 28.12 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 5 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 9000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
3/27/2025 2:41 PM	00:00	5.99 pH	24.42 °C	225.66 µS/cm	5.63 mg/L	17.90 NTU	124.2 mV	28.42 ft	250.00 ml/min
3/27/2025 2:46 PM	05:00	5.97 pH	24.18 °C	224.25 µS/cm	5.55 mg/L	13.50 NTU	204.1 mV	29.11 ft	250.00 ml/min
3/27/2025 2:51 PM	10:00	5.98 pH	24.82 °C	218.63 µS/cm	5.41 mg/L	7.34 NTU	220.9 mV	30.24 ft	250.00 ml/min
3/27/2025 2:56 PM	15:00	5.98 pH	25.05 °C	216.34 µS/cm	5.33 mg/L	5.76 NTU	211.8 mV	31.69 ft	250.00 ml/min
3/27/2025 3:01 PM	20:00	5.98 pH	25.60 °C	216.62 µS/cm	5.23 mg/L	4.86 NTU	202.6 mV	32.37 ft	250.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Low-Flow Test Report:

Test Date / Time: 3/25/2025 4:19:52 PM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-35D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 109.75 ft** **Total Depth: 120 ft** **Initial Depth to Water: 28.73 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 116 m** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 42000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
3/25/2025 4:19 PM	00:00	6.56 pH	22.90 °C	454.96 µS/cm	0.75 mg/L	38.40 NTU	140.0 mV	66.85 ft	250.00 ml/min
3/25/2025 4:24 PM	05:00	6.53 pH	22.75 °C	419.00 µS/cm	0.65 mg/L	24.40 NTU	224.5 mV	66.03 ft	250.00 ml/min
3/25/2025 4:29 PM	10:00	6.49 pH	22.53 °C	385.06 µS/cm	0.58 mg/L	16.90 NTU	165.7 mV	61.03 ft	250.00 ml/min
3/25/2025 4:34 PM	15:00	6.46 pH	21.88 °C	355.60 µS/cm	0.55 mg/L	11.00 NTU	183.9 mV	58.04 ft	250.00 ml/min
3/25/2025 4:39 PM	20:00	6.45 pH	21.81 °C	328.61 µS/cm	0.57 mg/L	7.34 NTU	168.8 mV	54.71 ft	250.00 ml/min
3/25/2025 4:44 PM	25:00	6.44 pH	21.05 °C	289.52 µS/cm	0.61 mg/L	4.71 NTU	132.8 mV	52.11 ft	250.00 ml/min
3/25/2025 4:49 PM	30:00	6.42 pH	21.55 °C	245.50 µS/cm	0.63 mg/L	2.96 NTU	122.9 mV	50.47 ft	250.00 ml/min
3/25/2025 4:54 PM	35:00	6.41 pH	21.46 °C	224.38 µS/cm	0.64 mg/L	2.78 NTU	120.3 mV	50.11 ft	250.00 ml/min
3/25/2025 4:59 PM	40:00	6.38 pH	21.55 °C	181.02 µS/cm	0.63 mg/L	2.81 NTU	119.7 mV	49.58 ft	250.00 ml/min
3/25/2025 5:04 PM	45:00	6.42 pH	21.46 °C	147.70 µS/cm	0.66 mg/L	2.55 NTU	117.6 mV	49.11 ft	250.00 ml/min
3/25/2025 5:09 PM	50:00	6.41 pH	21.64 °C	79.06 µS/cm	0.69 mg/L	3.75 NTU	33.7 mV	49.21 ft	250.00 ml/min
3/25/2025 5:14 PM	55:00	6.41 pH	21.81 °C	331.03 µS/cm	0.67 mg/L	4.85 NTU	114.7 mV	48.92 ft	250.00 ml/min
3/25/2025 5:18 PM	59:03	6.41 pH	21.64 °C	332.18 µS/cm	0.69 mg/L	3.81 NTU	108.9 mV	48.71 ft	250.00 ml/min
3/25/2025 5:23 PM	01:04:03	6.41 pH	21.63 °C	319.37 µS/cm	0.70 mg/L	4.55 NTU	113.4 mV	48.11 ft	250.00 ml/min

Low-Flow Test Report:

Test Date / Time: 3/26/2025 10:58:34 AM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-35S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.75 ft** **Total Depth: 60 ft** **Initial Depth to Water: 28.73 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 11000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
3/26/2025 10:58 AM	00:00	6.68 pH	19.89 °C	885.96 µS/cm	2.12 mg/L	29.10 NTU	156.5 mV	57.12 ft	250.00 ml/min
3/26/2025 11:03 AM	05:00	6.68 pH	19.53 °C	881.94 µS/cm	2.12 mg/L	18.60 NTU	192.1 mV	57.17 ft	250.00 ml/min
3/26/2025 11:08 AM	10:00	6.67 pH	19.90 °C	873.37 µS/cm	2.06 mg/L	8.72 NTU	248.1 mV	57.21 ft	250.00 ml/min
3/26/2025 11:13 AM	15:00	6.67 pH	20.69 °C	863.13 µS/cm	2.01 mg/L	7.24 NTU	190.5 mV	57.15 ft	250.00 ml/min
3/26/2025 11:18 AM	20:00	6.67 pH	20.92 °C	853.32 µS/cm	1.95 mg/L	4.65 NTU	238.8 mV	57.21 ft	250.00 ml/min
3/26/2025 11:23 AM	25:00	6.67 pH	21.75 °C	850.19 µS/cm	1.87 mg/L	3.19 NTU	185.7 mV	57.18 ft	250.00 ml/min
3/26/2025 11:28 AM	30:00	6.67 pH	22.20 °C	845.53 µS/cm	1.81 mg/L	4.72 NTU	240.4 mV	57.15 ft	250.00 ml/min
3/26/2025 11:33 AM	35:00	6.66 pH	22.76 °C	840.46 µS/cm	1.74 mg/L	3.13 NTU	247.0 mV	57.11 ft	250.00 ml/min
3/26/2025 11:38 AM	40:00	6.66 pH	22.88 °C	837.77 µS/cm	1.69 mg/L	2.93 NTU	251.0 mV	57.09 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/27/2025 1:00:34 PM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-36D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 115.75 ft** **Total Depth: 126 ft** **Initial Depth to Water: 28.72 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 122 ft** **Estimated Total Volume Pumped: 8750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 72000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
3/27/2025 1:00 PM	00:00	5.42 pH	19.73 °C	85.52 µS/cm	0.85 mg/L	63.90 NTU	119.2 mV	100.51 ft	250.00 ml/min
3/27/2025 1:05 PM	05:00	5.56 pH	18.80 °C	105.51 µS/cm	0.54 mg/L	20.50 NTU	90.1 mV	94.32 ft	250.00 ml/min
3/27/2025 1:10 PM	10:00	5.54 pH	19.35 °C	98.32 µS/cm	0.26 mg/L	13.70 NTU	68.9 mV	89.53 ft	250.00 ml/min
3/27/2025 1:15 PM	15:00	5.50 pH	19.33 °C	93.81 µS/cm	0.22 mg/L	5.73 NTU	55.8 mV	82.71 ft	250.00 ml/min
3/27/2025 1:20 PM	20:00	5.46 pH	19.33 °C	85.08 µS/cm	0.19 mg/L	3.50 NTU	55.4 mV	78.56 ft	250.00 ml/min
3/27/2025 1:25 PM	25:00	5.43 pH	19.35 °C	80.58 µS/cm	0.16 mg/L	2.03 NTU	54.0 mV	75.22 ft	250.00 ml/min
3/27/2025 1:30 PM	30:00	5.41 pH	19.31 °C	80.05 µS/cm	0.15 mg/L	1.29 NTU	57.1 mV	72.18 ft	250.00 ml/min
3/27/2025 1:35 PM	35:00	5.39 pH	19.65 °C	76.84 µS/cm	0.17 mg/L	1.42 NTU	66.6 mV	69.54 ft	250.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Low-Flow Test Report:

Test Date / Time: 4/1/2025 2:25:51 PM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-36S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.75 ft** **Total Depth: 60 ft** **Initial Depth to Water: 26.34 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 24000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.81 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 38000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
4/1/2025 2:25 PM	00:00	6.66 pH	22.73 °C	720.25 µS/cm	0.38 mg/L	51.30 NTU	31.0 mV	42.01 ft	100.00 ml/min
4/1/2025 2:30 PM	05:00	6.66 pH	21.54 °C	718.13 µS/cm	0.38 mg/L	44.20 NTU	42.5 mV	42.31 ft	100.00 ml/min
4/1/2025 2:35 PM	10:00	6.66 pH	23.41 °C	715.28 µS/cm	0.39 mg/L	43.60 NTU	44.0 mV	42.48 ft	100.00 ml/min
4/1/2025 2:40 PM	14:29	6.66 pH	24.64 °C	705.36 µS/cm	0.37 mg/L	37.00 NTU	38.0 mV	42.54 ft	100.00 ml/min
4/1/2025 2:45 PM	19:29	6.65 pH	25.50 °C	703.68 µS/cm	0.34 mg/L	35.10 NTU	40.2 mV	42.47 ft	100.00 ml/min
4/1/2025 2:50 PM	24:29	6.65 pH	25.91 °C	696.92 µS/cm	0.32 mg/L	34.60 NTU	36.1 mV	42.48 ft	100.00 ml/min
4/1/2025 2:55 PM	29:29	6.65 pH	25.77 °C	689.37 µS/cm	0.31 mg/L	30.20 NTU	36.9 mV	42.45 ft	100.00 ml/min
4/1/2025 3:00 PM	34:29	6.65 pH	25.56 °C	685.55 µS/cm	0.31 mg/L	30.10 NTU	39.9 mV	42.51 ft	100.00 ml/min
4/1/2025 3:05 PM	39:29	6.66 pH	24.90 °C	680.12 µS/cm	0.32 mg/L	28.70 NTU	38.3 mV	42.48 ft	100.00 ml/min
4/1/2025 3:10 PM	44:29	6.66 pH	25.26 °C	679.73 µS/cm	0.31 mg/L	27.40 NTU	40.3 mV	42.54 ft	100.00 ml/min
4/1/2025 3:15 PM	49:29	6.65 pH	25.50 °C	677.22 µS/cm	0.30 mg/L	26.80 NTU	40.2 mV	42.46 ft	100.00 ml/min
4/1/2025 3:20 PM	54:29	6.65 pH	25.72 °C	673.44 µS/cm	0.30 mg/L	25.10 NTU	36.9 mV	42.47 ft	100.00 ml/min
4/1/2025 3:25 PM	59:29	6.65 pH	25.91 °C	669.09 µS/cm	0.29 mg/L	24.30 NTU	37.9 mV	42.48 ft	100.00 ml/min
4/1/2025 3:30 PM	01:04:29	6.65 pH	23.30 °C	675.89 µS/cm	0.28 mg/L	24.10 NTU	44.4 mV	42.41 ft	100.00 ml/min
4/1/2025 3:35 PM	01:09:29	6.65 pH	25.26 °C	684.91 µS/cm	0.26 mg/L	22.50 NTU	36.7 mV	42.57 ft	100.00 ml/min
4/1/2025 3:40 PM	01:14:29	6.65 pH	26.43 °C	676.53 µS/cm	0.23 mg/L	22.10 NTU	35.3 mV	42.54 ft	100.00 ml/min

4/1/2025 3:45 PM	01:19:29	6.65 pH	26.55 °C	665.12 µS/cm	0.20 mg/L	21.30 NTU	33.6 mV	42.48 ft	100.00 ml/min
4/1/2025 3:50 PM	01:24:29	6.63 pH	24.79 °C	691.11 µS/cm	0.19 mg/L	20.90 NTU	39.8 mV	42.51 ft	100.00 ml/min
4/1/2025 3:55 PM	01:29:29	6.64 pH	26.63 °C	688.15 µS/cm	0.16 mg/L	19.80 NTU	31.8 mV	42.53 ft	100.00 ml/min
4/1/2025 4:00 PM	01:34:29	6.64 pH	27.42 °C	680.24 µS/cm	0.14 mg/L	19.50 NTU	30.5 mV	42.48 ft	100.00 ml/min
4/1/2025 4:05 PM	01:39:29	6.64 pH	27.27 °C	675.62 µS/cm	0.14 mg/L	19.10 NTU	32.1 mV	42.51 ft	100.00 ml/min
4/1/2025 4:10 PM	01:44:29	6.64 pH	27.01 °C	673.12 µS/cm	0.13 mg/L	18.80 NTU	30.7 mV	42.39 ft	100.00 ml/min
4/1/2025 4:15 PM	01:49:29	6.63 pH	24.83 °C	670.86 µS/cm	0.14 mg/L	18.50 NTU	34.9 mV	42.44 ft	100.00 ml/min
4/1/2025 4:20 PM	01:54:29	6.63 pH	25.55 °C	672.00 µS/cm	0.14 mg/L	18.10 NTU	31.9 mV	42.62 ft	100.00 ml/min
4/1/2025 4:25 PM	01:59:29	6.64 pH	26.58 °C	667.68 µS/cm	0.13 mg/L	17.50 NTU	30.1 mV	42.73 ft	100.00 ml/min
4/1/2025 4:30 PM	02:04:29	6.64 pH	26.95 °C	666.12 µS/cm	0.12 mg/L	16.90 NTU	27.1 mV	42.64 ft	100.00 ml/min
4/1/2025 4:35 PM	02:09:29	6.64 pH	26.97 °C	662.41 µS/cm	0.11 mg/L	15.10 NTU	27.6 mV	42.62 ft	100.00 ml/min
4/1/2025 4:40 PM	02:14:29	6.63 pH	26.79 °C	659.66 µS/cm	0.11 mg/L	14.80 NTU	26.6 mV	42.67 ft	100.00 ml/min
4/1/2025 4:45 PM	02:19:29	6.63 pH	26.69 °C	654.53 µS/cm	0.11 mg/L	13.80 NTU	26.6 mV	42.68 ft	100.00 ml/min
4/1/2025 4:50 PM	02:24:29	6.62 pH	26.70 °C	646.46 µS/cm	0.11 mg/L	13.50 NTU	28.4 mV	42.75 ft	100.00 ml/min
4/1/2025 4:55 PM	02:29:29	6.61 pH	26.41 °C	661.54 µS/cm	0.11 mg/L	12.70 NTU	26.8 mV	42.81 ft	100.00 ml/min
4/1/2025 5:00 PM	02:34:29	6.62 pH	25.62 °C	688.20 µS/cm	0.11 mg/L	11.90 NTU	22.2 mV	42.89 ft	100.00 ml/min
4/1/2025 5:05 PM	02:39:29	6.62 pH	26.00 °C	689.18 µS/cm	0.11 mg/L	11.10 NTU	22.4 mV	42.92 ft	100.00 ml/min
4/1/2025 5:10 PM	02:44:29	6.61 pH	26.74 °C	686.89 µS/cm	0.11 mg/L	10.70 NTU	20.2 mV	42.73 ft	100.00 ml/min
4/1/2025 5:15 PM	02:49:29	6.60 pH	26.89 °C	674.33 µS/cm	0.11 mg/L	10.20 NTU	20.5 mV	42.66 ft	100.00 ml/min
4/1/2025 5:20 PM	02:54:29	6.60 pH	25.96 °C	664.53 µS/cm	0.11 mg/L	10.40 NTU	25.4 mV	42.68 ft	100.00 ml/min
4/1/2025 5:25 PM	02:59:29	6.59 pH	25.10 °C	648.09 µS/cm	0.11 mg/L	9.84 NTU	28.6 mV	42.55 ft	100.00 ml/min
4/1/2025 5:30 PM	03:04:29	6.59 pH	24.42 °C	645.06 µS/cm	0.12 mg/L	8.78 NTU	32.6 mV	42.61 ft	100.00 ml/min
4/1/2025 5:35 PM	03:09:29	6.59 pH	24.24 °C	648.63 µS/cm	0.12 mg/L	8.24 NTU	31.2 mV	42.66 ft	100.00 ml/min
4/1/2025 5:40 PM	03:14:29	6.59 pH	24.51 °C	650.10 µS/cm	0.13 mg/L	9.76 NTU	31.7 mV	42.73 ft	100.00 ml/min
4/1/2025 5:45 PM	03:19:29	6.58 pH	24.02 °C	661.15 µS/cm	0.14 mg/L	8.11 NTU	31.6 mV	42.66 ft	100.00 ml/min
4/1/2025 5:50 PM	03:24:29	6.59 pH	25.45 °C	664.78 µS/cm	0.13 mg/L	8.45 NTU	25.3 mV	42.69 ft	100.00 ml/min
4/1/2025 5:55 PM	03:29:29	6.58 pH	26.56 °C	653.75 µS/cm	0.12 mg/L	7.91 NTU	24.0 mV	42.58 ft	100.00 ml/min
4/1/2025 6:00 PM	03:34:29	6.57 pH	26.29 °C	642.35 µS/cm	0.11 mg/L	6.82 NTU	27.5 mV	42.61 ft	100.00 ml/min
4/1/2025 6:05 PM	03:39:29	6.57 pH	26.03 °C	639.74 µS/cm	0.11 mg/L	6.11 NTU	30.7 mV	42.64 ft	100.00 ml/min

4/1/2025 6:10 PM	03:44:29	6.57 pH	26.74 °C	637.12 µS/cm	0.10 mg/L	5.84 NTU	27.7 mV	42.58 ft	100.00 ml/min
4/1/2025 6:15 PM	03:49:29	6.59 pH	24.71 °C	576.21 µS/cm	0.07 mg/L	4.83 NTU	45.1 mV	42.94 ft	100.00 ml/min
4/1/2025 6:20 PM	03:54:29	6.62 pH	23.85 °C	586.83 µS/cm	0.07 mg/L	5.24 NTU	41.1 mV	42.87 ft	100.00 ml/min
4/1/2025 6:25 PM	03:59:29	6.63 pH	23.30 °C	591.26 µS/cm	0.07 mg/L	4.76 NTU	29.0 mV	42.66 ft	100.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/1/2025 8:09:58 AM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-37D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 119.75 ft** **Total Depth: 130 ft** **Initial Depth to Water: 24.92 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 125 ft** **Estimated Total Volume Pumped: 29050 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 25000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
4/1/2025 8:09 AM	00:00	6.08 pH	15.92 °C	737.51 µS/cm	1.04 mg/L	48.50 NTU	31.7 mV	58.11 ft	250.00 ml/min
4/1/2025 8:14 AM	05:00	6.06 pH	16.56 °C	661.00 µS/cm	0.73 mg/L	36.60 NTU	38.5 mV	57.55 ft	250.00 ml/min
4/1/2025 8:19 AM	10:00	6.08 pH	16.46 °C	663.89 µS/cm	0.67 mg/L	39.50 NTU	40.5 mV	57.04 ft	250.00 ml/min
4/1/2025 8:24 AM	15:00	6.09 pH	16.38 °C	666.41 µS/cm	0.57 mg/L	34.70 NTU	35.2 mV	56.83 ft	250.00 ml/min
4/1/2025 8:29 AM	20:00	6.09 pH	16.54 °C	659.64 µS/cm	0.46 mg/L	29.10 NTU	36.0 mV	56.57 ft	250.00 ml/min
4/1/2025 8:36 AM	26:12	6.11 pH	16.60 °C	656.82 µS/cm	0.36 mg/L	30.20 NTU	31.1 mV	56.11 ft	250.00 ml/min
4/1/2025 8:41 AM	31:12	6.10 pH	16.66 °C	677.72 µS/cm	0.30 mg/L	28.70 NTU	29.9 mV	55.32 ft	250.00 ml/min
4/1/2025 8:46 AM	36:12	6.12 pH	16.73 °C	681.08 µS/cm	0.27 mg/L	25.50 NTU	30.2 mV	54.87 ft	250.00 ml/min
4/1/2025 8:51 AM	41:12	6.11 pH	16.77 °C	678.92 µS/cm	0.25 mg/L	17.40 NTU	27.4 mV	53.94 ft	250.00 ml/min
4/1/2025 8:56 AM	46:12	6.11 pH	16.68 °C	674.44 µS/cm	0.22 mg/L	15.60 NTU	28.3 mV	53.52 ft	250.00 ml/min
4/1/2025 9:01 AM	51:12	6.11 pH	16.69 °C	694.25 µS/cm	0.21 mg/L	13.90 NTU	25.4 mV	53.24 ft	250.00 ml/min
4/1/2025 9:06 AM	56:12	6.12 pH	16.64 °C	676.65 µS/cm	0.21 mg/L	13.30 NTU	24.6 mV	52.91 ft	250.00 ml/min
4/1/2025 9:11 AM	01:01:12	6.11 pH	16.95 °C	695.37 µS/cm	0.19 mg/L	11.50 NTU	23.1 mV	52.64 ft	250.00 ml/min
4/1/2025 9:16 AM	01:06:12	6.12 pH	16.55 °C	688.94 µS/cm	0.19 mg/L	8.33 NTU	23.3 mV	52.09 ft	250.00 ml/min
4/1/2025 9:21 AM	01:11:12	6.11 pH	16.41 °C	684.48 µS/cm	0.21 mg/L	8.43 NTU	23.3 mV	51.66 ft	250.00 ml/min
4/1/2025 9:26 AM	01:16:12	6.11 pH	16.22 °C	676.94 µS/cm	0.20 mg/L	7.94 NTU	21.9 mV	51.14 ft	250.00 ml/min

4/1/2025 9:31 AM	01:21:12	6.11 pH	16.46 °C	679.21 µS/cm	0.20 mg/L	7.11 NTU	21.0 mV	50.72 ft	250.00 ml/min
4/1/2025 9:36 AM	01:26:12	6.12 pH	16.56 °C	693.80 µS/cm	0.19 mg/L	8.17 NTU	20.1 mV	50.44 ft	250.00 ml/min
4/1/2025 9:41 AM	01:31:12	6.12 pH	16.45 °C	680.69 µS/cm	0.19 mg/L	7.73 NTU	19.8 mV	49.87 ft	250.00 ml/min
4/1/2025 9:46 AM	01:36:12	6.11 pH	16.65 °C	700.29 µS/cm	0.17 mg/L	6.84 NTU	19.0 mV	49.15 ft	250.00 ml/min
4/1/2025 9:51 AM	01:41:12	6.11 pH	16.67 °C	691.40 µS/cm	0.18 mg/L	6.32 NTU	18.2 mV	48.74 ft	250.00 ml/min
4/1/2025 9:56 AM	01:46:12	6.11 pH	16.87 °C	696.73 µS/cm	0.19 mg/L	5.84 NTU	17.9 mV	48.32 ft	250.00 ml/min
4/1/2025 10:01 AM	01:51:12	6.12 pH	17.04 °C	682.26 µS/cm	0.18 mg/L	5.22 NTU	17.7 mV	48.03 ft	250.00 ml/min
4/1/2025 10:06 AM	01:56:12	6.11 pH	17.13 °C	667.68 µS/cm	0.16 mg/L	4.83 NTU	17.8 mV	47.64 ft	250.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/2/2025 11:13:28 AM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-37S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 36.75 ft** **Total Depth: 47 ft** **Initial Depth to Water: 25.72 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 35000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 9750 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
4/2/2025 11:13 AM	00:00	4.47 pH	22.44 °C	2,554.4 µS/cm	2.75 mg/L	25.90 NTU	231.0 mV	36.51 ft	250.00 ml/min
4/2/2025 11:18 AM	05:00	4.46 pH	21.36 °C	2,677.4 µS/cm	2.67 mg/L	54.30 NTU	240.1 mV	36.82 ft	250.00 ml/min
4/2/2025 11:23 AM	10:00	4.44 pH	23.44 °C	2,647.5 µS/cm	2.70 mg/L	97.00 NTU	224.7 mV	36.66 ft	250.00 ml/min
4/2/2025 11:28 AM	15:00	4.44 pH	22.81 °C	2,446.1 µS/cm	2.70 mg/L	93.10 NTU	201.0 mV	36.94 ft	250.00 ml/min
4/2/2025 11:33 AM	20:00	4.42 pH	23.60 °C	2,542.4 µS/cm	2.76 mg/L	62.70 NTU	227.7 mV	37.11 ft	250.00 ml/min
4/2/2025 11:38 AM	25:00	4.42 pH	23.70 °C	2,625.5 µS/cm	2.72 mg/L	52.80 NTU	244.0 mV	37.02 ft	250.00 ml/min
4/2/2025 11:43 AM	30:00	4.42 pH	23.25 °C	2,670.6 µS/cm	2.68 mg/L	63.10 NTU	266.7 mV	36.81 ft	250.00 ml/min
4/2/2025 11:48 AM	35:00	4.42 pH	23.38 °C	2,719.0 µS/cm	2.63 mg/L	41.50 NTU	252.7 mV	36.75 ft	250.00 ml/min
4/2/2025 11:53 AM	40:00	4.42 pH	24.19 °C	2,750.4 µS/cm	2.57 mg/L	33.80 NTU	249.6 mV	36.94 ft	250.00 ml/min
4/2/2025 11:58 AM	45:00	4.42 pH	24.89 °C	2,742.6 µS/cm	2.49 mg/L	33.40 NTU	267.2 mV	37.03 ft	250.00 ml/min
4/2/2025 12:03 PM	50:00	4.43 pH	25.14 °C	2,745.6 µS/cm	2.58 mg/L	26.70 NTU	254.3 mV	37.01 ft	250.00 ml/min
4/2/2025 12:08 PM	55:00	4.44 pH	26.18 °C	2,716.2 µS/cm	2.37 mg/L	14.30 NTU	262.3 mV	37.04 ft	250.00 ml/min
4/2/2025 12:13 PM	01:00:00	4.44 pH	25.92 °C	2,666.3 µS/cm	2.38 mg/L	12.60 NTU	247.1 mV	37.08 ft	250.00 ml/min
4/2/2025 12:18 PM	01:05:00	4.44 pH	24.66 °C	2,671.4 µS/cm	2.43 mg/L	10.19 NTU	261.9 mV	37.01 ft	250.00 ml/min
4/2/2025 12:23 PM	01:10:00	4.44 pH	25.09 °C	2,698.5 µS/cm	2.43 mg/L	7.88 NTU	261.7 mV	36.94 ft	250.00 ml/min
4/2/2025 12:28 PM	01:15:00	4.44 pH	25.48 °C	2,675.9 µS/cm	2.38 mg/L	7.07 NTU	259.9 mV	36.97 ft	250.00 ml/min

4/2/2025 12:33 PM	01:20:00	4.45 pH	25.62 °C	2,663.4 µS/cm	2.36 mg/L	5.94 NTU	257.4 mV	36.98 ft	250.00 ml/min
4/2/2025 12:38 PM	01:25:00	4.43 pH	26.06 °C	2,707.4 µS/cm	2.43 mg/L	5.54 NTU	248.5 mV	36.91 ft	250.00 ml/min
4/2/2025 12:43 PM	01:30:00	4.41 pH	26.14 °C	2,558.1 µS/cm	2.49 mg/L	4.94 NTU	227.3 mV	36.88 ft	250.00 ml/min
4/2/2025 12:48 PM	01:35:00	4.38 pH	24.78 °C	2,656.7 µS/cm	2.15 mg/L	4.88 NTU	250.4 mV	36.94 ft	250.00 ml/min
4/2/2025 12:53 PM	01:40:00	4.31 pH	24.33 °C	2,860.9 µS/cm	4.18 mg/L	6.11 NTU	226.7 mV	36.54 ft	250.00 ml/min
4/2/2025 12:58 PM	01:45:00	4.32 pH	25.78 °C	2,840.9 µS/cm	3.90 mg/L	5.73 NTU	243.1 mV	36.52 ft	250.00 ml/min
4/2/2025 1:03 PM	01:50:00	4.32 pH	25.32 °C	2,768.5 µS/cm	3.86 mg/L	4.97 NTU	238.4 mV	36.59 ft	250.00 ml/min
4/2/2025 1:08 PM	01:55:00	4.34 pH	25.68 °C	2,797.8 µS/cm	3.36 mg/L	4.88 NTU	253.9 mV	36.71 ft	250.00 ml/min
4/2/2025 1:13 PM	02:00:00	4.38 pH	25.46 °C	2,776.1 µS/cm	3.01 mg/L	4.94 NTU	248.6 mV	36.75 ft	250.00 ml/min
4/2/2025 1:18 PM	02:05:00	4.41 pH	26.13 °C	2,750.0 µS/cm	2.74 mg/L	5.17 NTU	246.2 mV	36.81 ft	250.00 ml/min
4/2/2025 1:23 PM	02:10:00	4.44 pH	26.88 °C	2,765.9 µS/cm	2.57 mg/L	5.08 NTU	244.8 mV	36.79 ft	250.00 ml/min
4/2/2025 1:28 PM	02:15:00	4.46 pH	27.11 °C	2,730.3 µS/cm	2.45 mg/L	4.84 NTU	245.1 mV	36.84 ft	250.00 ml/min
4/2/2025 1:33 PM	02:20:00	4.48 pH	26.88 °C	2,717.8 µS/cm	2.42 mg/L	4.91 NTU	246.2 mV	36.81 ft	250.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Low-Flow Test Report:

Test Date / Time: 3/28/2025 9:08:16 AM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-38D **Well Diameter: 2 in** **Casing Type: PVC Screen** **Length: 10 ft** **Top of Screen: 79.75 ft** **Total Depth: 90 ft** **Initial Depth to Water: 26.74 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 85 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 80000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
3/28/2025 9:08 AM	00:00	6.35 pH	18.32 °C	9,952.9 µS/cm	1.63 mg/L	17.2 NTU	68.0 mV	48.11 ft	250.00 ml/min
3/28/2025 9:13 AM	05:00	6.63 pH	18.90 °C	10,019 µS/cm	0.46 mg/L	14.20 NTU	15.6 mV	47.37 ft	250.00 ml/min
3/28/2025 9:18 AM	10:00	6.73 pH	19.14 °C	10,053 µS/cm	0.20 mg/L	6.68 NTU	-15.1 mV	45.12 ft	250.00 ml/min
3/28/2025 9:23 AM	15:00	6.75 pH	19.27 °C	10,081 µS/cm	0.15 mg/L	3.37 NTU	-20.5 mV	41.74 ft	250.00 ml/min
3/28/2025 9:28 AM	20:00	6.67 pH	19.40 °C	10,016 µS/cm	0.17 mg/L	3.16 NTU	-10.2 mV	39.11 ft	250.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/3/2025 1:34:42 PM
Project: Plant Wansley
Operator Name: Giannis Kouvatsis

Location Name: WGWC-38S **Well Diameter: 2 in Casing** **Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.75 ft** **Total Depth: 60 ft** **Initial Depth to Water: 25.41 ft**	**Pump Type: Monsoon** **Tubing Type: Polyethylene** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 22500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes: Before commencing low flow testing pumped 42000 ml.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 5	
4/3/2025 1:34 PM	00:00	6.06 pH	22.22 °C	1,061.6 µS/cm	0.36 mg/L	46.20 NTU	-24.7 mV	43.31 ft	250.00 ml/min
4/3/2025 1:39 PM	05:00	6.07 pH	22.12 °C	1,082.0 µS/cm	0.31 mg/L	55.50 NTU	-28.8 mV	42.66 ft	250.00 ml/min
4/3/2025 1:44 PM	10:00	6.08 pH	21.92 °C	1,085.2 µS/cm	0.24 mg/L	41.20 NTU	-29.2 mV	43.11 ft	250.00 ml/min
4/3/2025 1:49 PM	15:00	6.07 pH	23.52 °C	1,093.9 µS/cm	0.12 mg/L	33.80 NTU	-33.5 mV	43.38 ft	250.00 ml/min
4/3/2025 1:54 PM	20:00	6.07 pH	24.26 °C	1,081.4 µS/cm	0.10 mg/L	30.10 NTU	-38.1 mV	43.33 ft	250.00 ml/min
4/3/2025 1:59 PM	25:00	6.07 pH	23.93 °C	1,083.7 µS/cm	0.09 mg/L	28.90 NTU	-38.1 mV	43.67 ft	250.00 ml/min
4/3/2025 2:04 PM	30:00	6.05 pH	24.98 °C	1,089.3 µS/cm	0.06 mg/L	25.30 NTU	-37.9 mV	43.51 ft	250.00 ml/min
4/3/2025 2:09 PM	35:00	6.04 pH	24.69 °C	1,080.6 µS/cm	0.07 mg/L	19.90 NTU	-34.9 mV	43.74 ft	250.00 ml/min
4/3/2025 2:14 PM	40:00	6.08 pH	24.28 °C	1,092.9 µS/cm	0.08 mg/L	17.30 NTU	-37.7 mV	43.82 ft	250.00 ml/min
4/3/2025 2:19 PM	45:00	6.08 pH	24.71 °C	1,099.1 µS/cm	0.07 mg/L	16.90 NTU	-40.8 mV	43.89 ft	250.00 ml/min
4/3/2025 2:24 PM	50:00	6.07 pH	24.85 °C	1,091.6 µS/cm	0.09 mg/L	10.50 NTU	-33.3 mV	43.98 ft	250.00 ml/min
4/3/2025 2:29 PM	55:00	6.06 pH	24.13 °C	1,080.3 µS/cm	0.07 mg/L	8.11 NTU	-26.8 mV	43.87 ft	250.00 ml/min
4/3/2025 2:34 PM	01:00:00	6.05 pH	24.11 °C	1,107.0 µS/cm	0.06 mg/L	8.24 NTU	-27.0 mV	43.81 ft	250.00 ml/min
4/3/2025 2:39 PM	01:05:00	6.04 pH	24.54 °C	1,129.5 µS/cm	0.04 mg/L	7.95 NTU	-30.2 mV	43.97 ft	250.00 ml/min
4/3/2025 2:44 PM	01:10:00	6.08 pH	24.19 °C	1,112.2 µS/cm	0.04 mg/L	6.34 NTU	-42.4 mV	43.85 ft	250.00 ml/min
4/3/2025 2:49 PM	01:15:00	6.07 pH	24.27 °C	1,113.0 µS/cm	0.03 mg/L	5.71 NTU	-43.4 mV	43.77 ft	250.00 ml/min

4/3/2025 2:54 PM	01:20:00	6.08 pH	24.66 °C	1,109.0 µS/cm	0.03 mg/L	6.39 NTU	-46.2 mV	43.79 ft	250.00 ml/min
4/3/2025 2:59 PM	01:25:00	6.08 pH	24.41 °C	1,109.7 µS/cm	0.03 mg/L	5.52 NTU	-45.6 mV	43.83 ft	250.00 ml/min
4/3/2025 3:04 PM	01:30:00	6.09 pH	24.55 °C	1,112.0 µS/cm	0.03 mg/L	4.88 NTU	-48.5 mV	43.87 ft	250.00 ml/min

Samples

Sample ID: N/A	Description: N/A

Low-Flow Test Report:

Test Date / Time: 4/30/2025 1:47:19 PM
Project: Plant Wansley Development
Operator Name: D. johnson

Location Name: WGWC-39 **Latitude: 33.40708724684205** **Longitude: -85.05624043761263** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.77 ft** **Total Depth: 40.77 ft** **Initial Depth to Water: 32.62 ft**	**Pump Type: portable bladder pump** **Tubing Type: poly** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 9500 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.53 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
battery dying. return 5/2/25

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 25	+/- 0.3	
4/30/2025 1:47 PM	00:00	5.12 pH	21.52 °C	8.97 µS/cm	7.93 mg/L	30.90 NTU	272.5 mV	32.72 ft	100.00 ml/min
4/30/2025 1:52 PM	05:00	5.03 pH	21.63 °C	10.01 µS/cm	7.90 mg/L	31.70 NTU	274.8 mV	32.85 ft	100.00 ml/min
4/30/2025 1:57 PM	10:00	5.02 pH	21.73 °C	9.85 µS/cm	7.88 mg/L	22.60 NTU	280.4 mV	32.93 ft	100.00 ml/min
4/30/2025 2:02 PM	15:00	5.01 pH	21.42 °C	9.78 µS/cm	7.89 mg/L	18.90 NTU	282.7 mV	33.02 ft	100.00 ml/min
4/30/2025 2:07 PM	20:00	5.05 pH	20.80 °C	10.08 µS/cm	7.90 mg/L	19.30 NTU	285.1 mV	33.21 ft	100.00 ml/min
4/30/2025 2:12 PM	25:00	5.04 pH	21.68 °C	10.86 µS/cm	7.89 mg/L	19.00 NTU	280.3 mV	33.27 ft	100.00 ml/min
4/30/2025 2:17 PM	30:00	5.01 pH	22.26 °C	11.16 µS/cm	7.86 mg/L	16.50 NTU	286.0 mV	33.33 ft	100.00 ml/min
4/30/2025 2:22 PM	35:00	5.04 pH	22.45 °C	11.24 µS/cm	7.83 mg/L	19.90 NTU	282.6 mV	33.39 ft	100.00 ml/min
4/30/2025 2:27 PM	40:00	4.99 pH	21.49 °C	11.68 µS/cm	7.81 mg/L	18.00 NTU	285.1 mV	33.43 ft	100.00 ml/min
4/30/2025 2:32 PM	45:00	4.96 pH	21.64 °C	12.11 µS/cm	7.79 mg/L	16.30 NTU	293.2 mV	33.47 ft	100.00 ml/min
4/30/2025 2:37 PM	50:00	4.92 pH	21.34 °C	13.21 µS/cm	7.80 mg/L	45.20 NTU	300.5 mV	33.52 ft	100.00 ml/min
4/30/2025 2:42 PM	55:00	4.94 pH	21.16 °C	13.93 µS/cm	7.79 mg/L	43.00 NTU	299.2 mV	33.61 ft	100.00 ml/min
4/30/2025 2:47 PM	01:00:00	4.88 pH	22.13 °C	14.70 µS/cm	7.73 mg/L	32.90 NTU	305.6 mV	33.69 ft	100.00 ml/min
4/30/2025 2:52 PM	01:05:00	4.90 pH	22.68 °C	14.41 µS/cm	7.66 mg/L	29.50 NTU	301.0 mV	33.74 ft	100.00 ml/min
4/30/2025 2:57 PM	01:10:00	4.97 pH	22.51 °C	14.12 µS/cm	7.66 mg/L	26.00 NTU	299.5 mV	33.82 ft	100.00 ml/min

4/30/2025 3:02 PM	01:15:00	4.94 pH	21.35 °C	14.79 µS/cm	7.66 mg/L	20.40 NTU	304.5 mV	33.93 ft	100.00 ml/min
4/30/2025 3:07 PM	01:20:00	4.98 pH	21.72 °C	15.93 µS/cm	7.56 mg/L	18.30 NTU	302.0 mV	33.97 ft	100.00 ml/min
4/30/2025 3:12 PM	01:25:00	4.94 pH	22.44 °C	15.85 µS/cm	7.52 mg/L	16.50 NTU	301.9 mV	34.02 ft	100.00 ml/min
4/30/2025 3:17 PM	01:30:00	4.94 pH	22.45 °C	15.09 µS/cm	7.47 mg/L	17.30 NTU	302.8 mV	34.11 ft	100.00 ml/min
4/30/2025 3:22 PM	01:35:00	4.92 pH	21.62 °C	15.22 µS/cm	7.49 mg/L	18.80 NTU	305.3 mV	34.15 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/1/2025 8:41:34 AM
Project: Plant Wansley Ash Pond Development
Operator Name: D. Johnson

Location Name: WGWC-39 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.77 ft** **Total Depth: 40.77 ft** **Initial Depth to Water: 31.05 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 12 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 9.84 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Final log.

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	
5/1/2025 8:41 AM	00:00	4.74 pH	21.33 °C	38.29 µS/cm	7.34 mg/L	32.20 NTU	208.6 mV	31.05 ft	100.00 ml/min
5/1/2025 8:46 AM	05:00	4.67 pH	21.11 °C	26.71 µS/cm	7.10 mg/L	28.20 NTU	205.9 mV	31.11 ft	100.00 ml/min
5/1/2025 8:51 AM	10:00	4.57 pH	21.00 °C	26.11 µS/cm	7.00 mg/L	23.50 NTU	206.3 mV	31.22 ft	100.00 ml/min
5/1/2025 8:56 AM	15:00	4.49 pH	20.76 °C	21.56 µS/cm	7.03 mg/L	46.60 NTU	206.6 mV	31.28 ft	100.00 ml/min
5/1/2025 9:01 AM	20:00	4.40 pH	20.62 °C	20.58 µS/cm	7.02 mg/L	52.20 NTU	216.3 mV	31.33 ft	100.00 ml/min
5/1/2025 9:06 AM	25:00	4.34 pH	21.10 °C	20.25 µS/cm	6.99 mg/L	44.70 NTU	209.8 mV	31.33 ft	100.00 ml/min
5/1/2025 9:11 AM	30:00	4.30 pH	21.65 °C	20.13 µS/cm	6.95 mg/L	38.30 NTU	223.2 mV	31.41 ft	100.00 ml/min
5/1/2025 9:16 AM	35:00	4.20 pH	21.61 °C	19.48 µS/cm	6.92 mg/L	33.50 NTU	223.3 mV	31.48 ft	100.00 ml/min
5/1/2025 9:21 AM	40:00	4.19 pH	21.67 °C	19.91 µS/cm	6.90 mg/L	28.10 NTU	229.4 mV	31.53 ft	100.00 ml/min
5/1/2025 9:26 AM	45:00	4.15 pH	22.30 °C	19.41 µS/cm	6.88 mg/L	24.30 NTU	226.1 mV	31.59 ft	100.00 ml/min
5/1/2025 9:31 AM	50:00	4.14 pH	22.82 °C	19.72 µS/cm	6.86 mg/L	19.50 NTU	225.3 mV	31.65 ft	100.00 ml/min
5/1/2025 9:36 AM	55:00	4.18 pH	23.34 °C	19.68 µS/cm	6.83 mg/L	19.10 NTU	241.3 mV	31.71 ft	100.00 ml/min
5/1/2025 9:41 AM	01:00:00	4.15 pH	23.57 °C	19.57 µS/cm	6.80 mg/L	17.90 NTU	235.6 mV	31.75 ft	100.00 ml/min
5/1/2025 9:46 AM	01:05:00	4.16 pH	23.34 °C	19.81 µS/cm	6.82 mg/L	17.10 NTU	234.3 mV	31.77 ft	100.00 ml/min
5/1/2025 9:51 AM	01:10:00	4.15 pH	23.05 °C	19.22 µS/cm	6.83 mg/L	16.50 NTU	239.8 mV	31.78 ft	100.00 ml/min

5/1/2025 9:56 AM	01:15:00	4.14 pH	22.34 °C	18.50 µS/cm	6.90 mg/L	14.40 NTU	239.2 mV	31.79 ft	100.00 ml/min
5/1/2025 10:01 AM	01:20:00	4.15 pH	22.84 °C	18.81 µS/cm	6.85 mg/L	14.10 NTU	235.0 mV	31.80 ft	100.00 ml/min
5/1/2025 10:06 AM	01:25:00	4.17 pH	23.24 °C	18.79 µS/cm	6.79 mg/L	12.80 NTU	238.3 mV	31.81 ft	100.00 ml/min
5/1/2025 10:11 AM	01:30:00	4.22 pH	23.42 °C	19.08 µS/cm	6.81 mg/L	12.70 NTU	238.9 mV	31.82 ft	100.00 ml/min
5/1/2025 10:16 AM	01:35:00	4.34 pH	23.13 °C	19.18 µS/cm	6.82 mg/L	11.60 NTU	238.8 mV	31.83 ft	100.00 ml/min
5/1/2025 10:21 AM	01:40:00	4.45 pH	23.54 °C	18.78 µS/cm	6.89 mg/L	11.40 NTU	236.3 mV	31.84 ft	100.00 ml/min
5/1/2025 10:26 AM	01:45:00	4.59 pH	23.58 °C	19.21 µS/cm	6.87 mg/L	10.30 NTU	227.5 mV	31.85 ft	100.00 ml/min
5/1/2025 10:31 AM	01:50:00	4.71 pH	23.60 °C	19.22 µS/cm	6.85 mg/L	9.53 NTU	221.2 mV	31.86 ft	100.00 ml/min
5/1/2025 10:36 AM	01:55:00	4.78 pH	23.58 °C	19.23 µS/cm	6.84 mg/L	8.87 NTU	221.2 mV	31.87 ft	100.00 ml/min
5/1/2025 10:41 AM	02:00:00	4.84 pH	23.44 °C	19.38 µS/cm	6.83 mg/L	8.19 NTU	218.0 mV	31.87 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/8/2025 10:30:06 AM
Project: Plant Wansley AshPonds
Operator Name: J. Berisford

Location Name: WGWC-39 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30 ft** **Total Depth: 40.77 ft** **Initial Depth to Water: 31.95 ft**	**Pump Type: Portable bladder pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 3500 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:

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	
5/8/2025 10:30 AM	00:00	5.07 pH	20.40 °C	23.96 µS/cm	9.93 mg/L	74.00 NTU	204.2 mV	31.95 ft	100.00 ml/min
5/8/2025 10:35 AM	05:00	5.03 pH	21.03 °C	24.41 µS/cm	9.93 mg/L	154.00 NTU	212.1 mV	32.10 ft	100.00 ml/min
5/8/2025 10:40 AM	10:00	4.98 pH	21.02 °C	24.64 µS/cm	9.86 mg/L	171.00 NTU	220.7 mV	32.10 ft	100.00 ml/min
5/8/2025 10:45 AM	15:00	4.87 pH	21.57 °C	24.71 µS/cm	9.83 mg/L	163.00 NTU	227.8 mV	32.10 ft	100.00 ml/min
5/8/2025 10:50 AM	20:00	4.79 pH	21.97 °C	24.48 µS/cm	9.83 mg/L	144.00 NTU	237.0 mV	32.10 ft	100.00 ml/min
5/8/2025 10:55 AM	25:00	4.76 pH	22.58 °C	24.61 µS/cm	9.74 mg/L	133.00 NTU	241.8 mV	32.10 ft	100.00 ml/min
5/8/2025 11:00 AM	30:00	4.69 pH	23.15 °C	24.78 µS/cm	9.75 mg/L	130.00 NTU	246.4 mV	32.10 ft	100.00 ml/min
5/8/2025 11:05 AM	35:00	4.65 pH	23.75 °C	25.56 µS/cm	9.67 mg/L	117.00 NTU	250.8 mV	32.10 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/21/2025 9:05:22 AM
Project: Plant Wansley - Ash Pond Developments
Operator Name: J. May

Location Name: WGWC-39 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.46 ft** **Total Depth: 41.46 ft** **Initial Depth to Water: 29.74 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 36.46 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 25.92 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Development Purge Log
Sunny, 70s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 0.3	
5/21/2025 9:05 AM	00:00	4.93 pH	21.36 °C	40.66 µS/cm	7.92 mg/L	160.00 NTU	200.5 mV	29.74 ft	100.00 ml/min
5/21/2025 9:10 AM	05:00	4.94 pH	21.26 °C	40.29 µS/cm	7.69 mg/L	142.00 NTU	205.8 mV	31.10 ft	100.00 ml/min
5/21/2025 9:15 AM	10:00	4.94 pH	20.84 °C	38.71 µS/cm	7.78 mg/L	122.00 NTU	207.2 mV	31.20 ft	100.00 ml/min
5/21/2025 9:20 AM	15:00	4.95 pH	20.60 °C	37.94 µS/cm	7.79 mg/L	100.00 NTU	212.1 mV	31.40 ft	100.00 ml/min
5/21/2025 9:25 AM	20:00	4.96 pH	21.15 °C	38.22 µS/cm	7.73 mg/L	84.50 NTU	214.4 mV	31.60 ft	100.00 ml/min
5/21/2025 9:30 AM	25:00	4.95 pH	21.04 °C	37.50 µS/cm	7.75 mg/L	66.30 NTU	219.4 mV	31.80 ft	100.00 ml/min
5/21/2025 9:35 AM	30:00	4.97 pH	21.26 °C	38.19 µS/cm	7.65 mg/L	64.00 NTU	222.2 mV	31.90 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/21/2025 1:00:06 PM
Project: Plant Wansley - Ash Pond Developments
Operator Name: J. May

Location Name: WGWC-39 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.46 ft** **Total Depth: 41.46 ft** **Initial Depth to Water: 29.74 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 36.46 ft** **Estimated Total Volume Pumped: 2.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 50 ml/min** **Final Draw Down: 99.12 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Development Purge Log

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 0.3	
5/21/2025 1:00 PM	00:00	4.95 pH	22.62 °C	40.62 µS/cm	6.88 mg/L	1,000.00 NTU	82.8 mV	38.00 ft	100.00 ml/min
5/21/2025 1:05 PM	05:00	4.92 pH	23.32 °C	38.25 µS/cm	7.02 mg/L	995.00 NTU	122.0 mV	38.00 ft	100.00 ml/min
5/21/2025 1:10 PM	10:00	4.92 pH	23.70 °C	38.62 µS/cm	6.94 mg/L	557.00 NTU	144.7 mV	38.00 ft	100.00 ml/min
5/21/2025 1:15 PM	15:00	4.91 pH	23.58 °C	38.04 µS/cm	6.79 mg/L	483.00 NTU	159.6 mV	38.00 ft	100.00 ml/min
5/21/2025 1:20 PM	20:00	4.91 pH	24.07 °C	38.58 µS/cm	6.83 mg/L	304.00 NTU	170.8 mV	38.00 ft	100.00 ml/min
5/21/2025 1:25 PM	25:00	4.91 pH	24.20 °C	37.97 µS/cm	6.86 mg/L	223.00 NTU	179.0 mV	38.00 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/21/2025 2:33:05 PM
Project: Plant Wansley - Ash Pond Developments
Operator Name: J. May

Location Name: WGWC-39 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.46 ft** **Total Depth: 41.46 ft** **Initial Depth to Water: 29.74 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 39.46 ft** **Estimated Total Volume Pumped: 1.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 50 ml/min** **Final Draw Down: 101.52 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Development Purge Log

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 0.3	
5/21/2025 2:33 PM	00:00	4.94 pH	25.41 °C	51.90 µS/cm	6.36 mg/L	141.00 NTU	206.0 mV	29.74 ft	50.00 ml/min
5/21/2025 2:38 PM	05:00	4.89 pH	20.94 °C	38.25 µS/cm	6.79 mg/L	116.00 NTU	205.0 mV	38.05 ft	50.00 ml/min
5/21/2025 2:43 PM	10:00	4.84 pH	20.63 °C	37.62 µS/cm	6.74 mg/L	113.00 NTU	213.3 mV	38.08 ft	50.00 ml/min
5/21/2025 2:48 PM	15:00	4.80 pH	20.27 °C	37.92 µS/cm	6.83 mg/L	101.00 NTU	221.8 mV	38.12 ft	50.00 ml/min
5/21/2025 2:53 PM	20:00	4.72 pH	20.03 °C	38.00 µS/cm	6.85 mg/L	96.30 NTU	229.7 mV	38.14 ft	50.00 ml/min
5/21/2025 2:58 PM	25:00	4.56 pH	20.12 °C	37.99 µS/cm	6.79 mg/L	87.50 NTU	242.6 mV	38.17 ft	50.00 ml/min
5/21/2025 3:03 PM	30:00	4.37 pH	20.01 °C	38.14 µS/cm	6.78 mg/L	83.00 NTU	256.9 mV	38.20 ft	50.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/22/2025 8:30:04 AM
Project: Plant Wansley - Ash Pond Developments
Operator Name: J. May

Location Name: WGWC-39 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.46 ft** **Total Depth: 41.46 ft** **Initial Depth to Water: 29.74 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 39.46 ft** **Estimated Total Volume Pumped: 11.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 50 ml/min** **Final Draw Down: 113.76 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Development Purge Log

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 0.3	
5/22/2025 8:30 AM	00:00	4.72 pH	19.64 °C	56.13 µS/cm	7.93 mg/L	23.80 NTU	207.5 mV	39.22 ft	50.00 ml/min
5/22/2025 8:35 AM	05:00	4.69 pH	19.10 °C	42.54 µS/cm	7.49 mg/L	20.40 NTU	202.5 mV	39.22 ft	50.00 ml/min
5/22/2025 8:40 AM	10:00	4.73 pH	19.16 °C	43.56 µS/cm	7.41 mg/L	16.50 NTU	205.9 mV	39.22 ft	50.00 ml/min
5/22/2025 8:45 AM	15:00	4.69 pH	19.19 °C	42.73 µS/cm	7.39 mg/L	15.80 NTU	210.7 mV	39.22 ft	50.00 ml/min
5/22/2025 8:50 AM	20:00	4.70 pH	19.27 °C	41.97 µS/cm	7.37 mg/L	15.00 NTU	212.3 mV	39.22 ft	50.00 ml/min
5/22/2025 8:55 AM	25:00	4.67 pH	19.40 °C	41.49 µS/cm	7.38 mg/L	14.20 NTU	219.6 mV	39.22 ft	50.00 ml/min
5/22/2025 9:00 AM	30:00	4.62 pH	19.47 °C	41.00 µS/cm	7.29 mg/L	12.80 NTU	226.7 mV	39.22 ft	50.00 ml/min
5/22/2025 9:05 AM	35:00	4.66 pH	19.56 °C	41.00 µS/cm	7.28 mg/L	12.00 NTU	228.1 mV	39.22 ft	50.00 ml/min
5/22/2025 9:10 AM	40:00	4.65 pH	19.59 °C	40.90 µS/cm	7.27 mg/L	10.50 NTU	232.4 mV	39.22 ft	50.00 ml/min
5/22/2025 9:15 AM	45:00	4.67 pH	19.70 °C	40.88 µS/cm	7.26 mg/L	11.20 NTU	234.0 mV	39.22 ft	50.00 ml/min
5/22/2025 9:20 AM	50:00	4.66 pH	19.78 °C	40.91 µS/cm	7.24 mg/L	14.60 NTU	237.1 mV	39.22 ft	50.00 ml/min
5/22/2025 9:25 AM	55:00	4.64 pH	19.81 °C	40.61 µS/cm	7.24 mg/L	14.10 NTU	240.0 mV	39.22 ft	50.00 ml/min
5/22/2025 9:30 AM	01:00:00	4.69 pH	19.85 °C	40.75 µS/cm	7.26 mg/L	13.80 NTU	239.1 mV	39.22 ft	50.00 ml/min
5/22/2025 9:35 AM	01:05:00	4.64 pH	19.83 °C	40.73 µS/cm	7.27 mg/L	13.60 NTU	243.5 mV	39.22 ft	50.00 ml/min
5/22/2025 9:40 AM	01:10:00	4.70 pH	19.96 °C	40.58 µS/cm	7.25 mg/L	12.70 NTU	241.5 mV	39.22 ft	50.00 ml/min

5/22/2025 9:45 AM	01:15:00	4.70 pH	19.95 °C	40.70 µS/cm	7.27 mg/L	12.00 NTU	242.9 mV	39.22 ft	50.00 ml/min
5/22/2025 9:50 AM	01:20:00	4.69 pH	20.09 °C	40.49 µS/cm	7.24 mg/L	11.20 NTU	244.5 mV	39.22 ft	50.00 ml/min
5/22/2025 9:55 AM	01:25:00	4.73 pH	20.07 °C	40.48 µS/cm	7.27 mg/L	10.60 NTU	243.3 mV	39.22 ft	50.00 ml/min
5/22/2025 10:00 AM	01:30:00	4.67 pH	20.10 °C	40.57 µS/cm	7.26 mg/L	11.00 NTU	247.6 mV	39.22 ft	50.00 ml/min
5/22/2025 10:05 AM	01:35:00	4.75 pH	20.26 °C	40.64 µS/cm	7.26 mg/L	11.30 NTU	244.2 mV	39.22 ft	50.00 ml/min
5/22/2025 10:10 AM	01:40:00	4.74 pH	20.18 °C	40.68 µS/cm	7.26 mg/L	10.60 NTU	245.6 mV	39.22 ft	50.00 ml/min
5/22/2025 10:15 AM	01:45:00	4.77 pH	20.30 °C	40.21 µS/cm	7.21 mg/L	10.10 NTU	244.8 mV	39.22 ft	50.00 ml/min
5/22/2025 10:20 AM	01:50:00	4.77 pH	20.39 °C	40.24 µS/cm	7.24 mg/L	9.84 NTU	245.9 mV	39.22 ft	50.00 ml/min
5/22/2025 10:25 AM	01:55:00	4.74 pH	20.38 °C	40.05 µS/cm	7.23 mg/L	9.69 NTU	248.1 mV	39.22 ft	50.00 ml/min
5/22/2025 10:30 AM	02:00:00	4.79 pH	20.48 °C	40.00 µS/cm	7.23 mg/L	9.81 NTU	246.3 mV	39.22 ft	50.00 ml/min
5/22/2025 10:35 AM	02:05:00	4.77 pH	20.47 °C	39.97 µS/cm	7.24 mg/L	9.68 NTU	248.0 mV	39.22 ft	50.00 ml/min
5/22/2025 10:40 AM	02:10:00	4.81 pH	20.51 °C	39.93 µS/cm	7.22 mg/L	9.32 NTU	246.3 mV	39.22 ft	50.00 ml/min
5/22/2025 10:45 AM	02:15:00	4.80 pH	20.58 °C	39.81 µS/cm	7.21 mg/L	9.01 NTU	247.5 mV	39.22 ft	50.00 ml/min
5/22/2025 10:50 AM	02:20:00	4.79 pH	20.50 °C	39.65 µS/cm	7.22 mg/L	8.43 NTU	248.5 mV	39.22 ft	50.00 ml/min
5/22/2025 10:55 AM	02:25:00	4.81 pH	20.64 °C	39.71 µS/cm	7.24 mg/L	8.06 NTU	247.6 mV	39.22 ft	50.00 ml/min
5/22/2025 11:00 AM	02:30:00	4.79 pH	20.58 °C	39.91 µS/cm	7.25 mg/L	8.15 NTU	249.5 mV	39.22 ft	50.00 ml/min
5/22/2025 11:05 AM	02:35:00	4.82 pH	20.69 °C	40.13 µS/cm	7.23 mg/L	8.33 NTU	248.1 mV	39.22 ft	50.00 ml/min
5/22/2025 11:10 AM	02:40:00	4.81 pH	20.69 °C	40.56 µS/cm	7.26 mg/L	7.68 NTU	249.6 mV	39.22 ft	50.00 ml/min
5/22/2025 11:15 AM	02:45:00	4.80 pH	20.85 °C	40.30 µS/cm	7.23 mg/L	7.09 NTU	250.6 mV	39.22 ft	50.00 ml/min
5/22/2025 11:20 AM	02:50:00	4.83 pH	20.79 °C	40.43 µS/cm	7.25 mg/L	7.27 NTU	249.3 mV	39.22 ft	50.00 ml/min
5/22/2025 11:25 AM	02:55:00	4.82 pH	20.71 °C	40.48 µS/cm	7.25 mg/L	7.11 NTU	250.4 mV	39.22 ft	50.00 ml/min
5/22/2025 11:30 AM	03:00:00	4.83 pH	20.85 °C	40.50 µS/cm	7.26 mg/L	7.08 NTU	249.8 mV	39.22 ft	50.00 ml/min
5/22/2025 11:35 AM	03:05:00	4.82 pH	20.82 °C	40.52 µS/cm	7.25 mg/L	7.26 NTU	250.9 mV	39.22 ft	50.00 ml/min
5/22/2025 11:40 AM	03:10:00	4.79 pH	20.97 °C	40.32 µS/cm	7.19 mg/L	6.48 NTU	253.2 mV	39.22 ft	50.00 ml/min
5/22/2025 11:45 AM	03:15:00	4.83 pH	20.86 °C	40.42 µS/cm	7.25 mg/L	5.62 NTU	251.2 mV	39.22 ft	50.00 ml/min
5/22/2025 11:50 AM	03:20:00	4.81 pH	20.83 °C	40.56 µS/cm	7.26 mg/L	4.96 NTU	253.0 mV	39.22 ft	50.00 ml/min
5/22/2025 11:55 AM	03:25:00	4.84 pH	20.98 °C	40.55 µS/cm	7.25 mg/L	4.45 NTU	251.6 mV	39.22 ft	50.00 ml/min
5/22/2025 12:00 PM	03:30:00	4.83 pH	20.88 °C	40.32 µS/cm	7.24 mg/L	4.59 NTU	252.5 mV	39.22 ft	50.00 ml/min
5/22/2025 12:05 PM	03:35:00	4.79 pH	21.08 °C	40.20 µS/cm	7.21 mg/L	4.70 NTU	255.2 mV	39.22 ft	50.00 ml/min

5/22/2025 12:10 PM	03:40:00	4.84 pH	21.02 °C	40.35 µS/cm	7.27 mg/L	4.38 NTU	252.8 mV	39.22 ft	50.00 ml/min
5/22/2025 12:15 PM	03:45:00	4.82 pH	20.87 °C	40.35 µS/cm	7.28 mg/L	4.58 NTU	253.8 mV	39.22 ft	50.00 ml/min
5/22/2025 12:20 PM	03:50:00	4.84 pH	21.04 °C	40.29 µS/cm	7.28 mg/L	4.27 NTU	253.0 mV	39.22 ft	50.00 ml/min
5/22/2025 12:25 PM	03:55:00	4.83 pH	21.06 °C	40.27 µS/cm	7.30 mg/L	4.44 NTU	253.9 mV	39.22 ft	50.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/20/2025 9:58:27 AM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-40 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.36 ft** **Total Depth: 49.36 ft** **Initial Depth to Water: 29.36 ft**	**Pump Type: Monsoon** **Tubing Type: Poly** **Pump Intake From TOC: 46 ft** **Estimated Total Volume Pumped: 65 liters** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 8.79 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Surge with surge block for 20 minutes. Purge with reclaimer until water became visibly clear. Purged with monsoon for the remainder of development. Removed cumulative of 17.4 gallons from well

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/20/2025 9:58 AM	00:00	5.67 pH	18.20 °C	98.40 µS/cm	2.94 mg/L	276.00 NTU	149.1 mV	34.52 ft	200.00 ml/min
3/20/2025 10:03 AM	05:00	5.58 pH	18.08 °C	92.52 µS/cm	3.48 mg/L	179.00 NTU	115.0 mV	37.42 ft	200.00 ml/min
3/20/2025 10:08 AM	10:00	5.44 pH	17.82 °C	80.53 µS/cm	3.52 mg/L	98.30 NTU	103.9 mV	37.66 ft	200.00 ml/min
3/20/2025 10:13 AM	15:00	5.41 pH	17.47 °C	77.85 µS/cm	3.22 mg/L	57.80 NTU	95.7 mV	37.83 ft	200.00 ml/min
3/20/2025 10:18 AM	20:00	5.38 pH	18.07 °C	75.97 µS/cm	3.02 mg/L	33.00 NTU	91.4 mV	38.03 ft	200.00 ml/min
3/20/2025 10:23 AM	25:00	5.36 pH	18.23 °C	74.92 µS/cm	2.83 mg/L	26.40 NTU	87.9 mV	38.11 ft	200.00 ml/min
3/20/2025 10:28 AM	30:00	5.35 pH	18.10 °C	73.39 µS/cm	2.61 mg/L	19.60 NTU	83.3 mV	38.12 ft	200.00 ml/min
3/20/2025 10:33 AM	35:00	5.30 pH	18.27 °C	70.38 µS/cm	2.52 mg/L	12.80 NTU	82.8 mV	38.13 ft	200.00 ml/min
3/20/2025 10:38 AM	40:00	5.83 pH	19.22 °C	0.23 µS/cm	8.42 mg/L	152.00 NTU	33.6 mV	38.14 ft	200.00 ml/min
3/20/2025 10:43 AM	45:00	5.93 pH	22.99 °C	0.14 µS/cm	7.92 mg/L	133.00 NTU	37.0 mV	38.15 ft	200.00 ml/min
3/20/2025 10:48 AM	50:00	5.43 pH	18.64 °C	77.04 µS/cm	1.98 mg/L	10.60 NTU	87.9 mV	38.15 ft	200.00 ml/min
3/20/2025 10:53 AM	55:00	5.22 pH	18.12 °C	66.87 µS/cm	2.44 mg/L	5.76 NTU	111.4 mV	38.15 ft	200.00 ml/min
3/20/2025 10:58 AM	01:00:00	5.19 pH	18.51 °C	65.65 µS/cm	2.48 mg/L	4.90 NTU	81.2 mV	38.15 ft	200.00 ml/min
3/20/2025 11:03 AM	01:05:00	5.20 pH	18.69 °C	65.77 µS/cm	2.37 mg/L	3.75 NTU	78.0 mV	38.15 ft	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 3/18/2025 10:00:37 AM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-41 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 21.96 ft** **Total Depth: 31.96 ft** **Initial Depth to Water: 26.64 ft**	**Pump Type: Reclaimer** **Tubing Type: Poly** **Pump Intake From TOC: 30 ft** **Estimated Total Volume Pumped: 9.37 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 75 ml/min** **Final Draw Down: 40.32 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
1200 purged dry. Log 1. Allow for recharge.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/18/2025 10:00 AM	00:00	5.83 pH	10.51 °C	138.59 µS/cm	9.47 mg/L	1,000.00 NTU	126.2 mV	26.64 ft	100.00 ml/min
3/18/2025 10:05 AM	05:00	5.53 pH	12.62 °C	137.34 µS/cm	8.18 mg/L	1,000.00 NTU	104.8 mV	27.81 ft	100.00 ml/min
3/18/2025 10:10 AM	10:00	5.50 pH	13.78 °C	138.11 µS/cm	8.04 mg/L	972.00 NTU	99.2 mV	27.90 ft	100.00 ml/min
3/18/2025 10:15 AM	15:00	5.48 pH	14.35 °C	138.94 µS/cm	7.93 mg/L	658.00 NTU	97.8 mV	28.07 ft	75.00 ml/min
3/18/2025 10:20 AM	20:00	5.48 pH	14.12 °C	139.67 µS/cm	7.84 mg/L	387.00 NTU	96.1 mV	28.21 ft	75.00 ml/min
3/18/2025 10:25 AM	25:00	5.49 pH	13.95 °C	140.15 µS/cm	7.86 mg/L	332.00 NTU	94.4 mV	28.30 ft	75.00 ml/min
3/18/2025 10:30 AM	30:00	5.50 pH	13.52 °C	140.36 µS/cm	7.93 mg/L	322.00 NTU	92.7 mV	28.33 ft	75.00 ml/min
3/18/2025 10:35 AM	35:00	5.50 pH	13.67 °C	141.23 µS/cm	7.89 mg/L	340.00 NTU	92.1 mV	28.40 ft	75.00 ml/min
3/18/2025 10:40 AM	40:00	5.51 pH	13.71 °C	141.44 µS/cm	7.76 mg/L	343.00 NTU	91.1 mV	28.47 ft	75.00 ml/min
3/18/2025 10:45 AM	45:00	5.51 pH	14.12 °C	142.06 µS/cm	7.81 mg/L	330.00 NTU	90.8 mV	28.53 ft	75.00 ml/min
3/18/2025 10:50 AM	50:00	5.51 pH	14.40 °C	142.75 µS/cm	7.81 mg/L	318.00 NTU	90.2 mV	28.61 ft	75.00 ml/min
3/18/2025 10:55 AM	55:00	5.52 pH	14.33 °C	142.58 µS/cm	7.84 mg/L	274.00 NTU	90.8 mV	28.68 ft	75.00 ml/min
3/18/2025 11:00 AM	01:00:00	5.52 pH	14.21 °C	142.86 µS/cm	7.87 mg/L	236.00 NTU	90.7 mV	28.70 ft	75.00 ml/min
3/18/2025 11:05 AM	01:05:00	5.51 pH	14.39 °C	143.04 µS/cm	7.93 mg/L	224.00 NTU	91.0 mV	28.79 ft	75.00 ml/min
3/18/2025 11:10 AM	01:10:00	5.50 pH	15.00 °C	143.60 µS/cm	7.93 mg/L	194.00 NTU	91.6 mV	28.85 ft	75.00 ml/min

3/18/2025 11:15 AM	01:15:00	5.49 pH	15.71 °C	144.01 µS/cm	7.91 mg/L	162.00 NTU	92.3 mV	28.92 ft	75.00 ml/min
3/18/2025 11:20 AM	01:20:00	5.49 pH	16.27 °C	143.38 µS/cm	7.82 mg/L	154.00 NTU	92.9 mV	29.07 ft	75.00 ml/min
3/18/2025 11:25 AM	01:25:00	5.48 pH	16.41 °C	143.86 µS/cm	7.74 mg/L	133.00 NTU	93.5 mV	29.20 ft	75.00 ml/min
3/18/2025 11:30 AM	01:30:00	5.46 pH	16.60 °C	144.62 µS/cm	7.74 mg/L	119.00 NTU	94.1 mV	29.32 ft	75.00 ml/min
3/18/2025 11:35 AM	01:35:00	5.46 pH	16.82 °C	144.34 µS/cm	7.66 mg/L	104.00 NTU	94.2 mV	29.44 ft	75.00 ml/min
3/18/2025 11:40 AM	01:40:00	5.44 pH	17.53 °C	145.02 µS/cm	7.70 mg/L	89.20 NTU	94.2 mV	29.57 ft	75.00 ml/min
3/18/2025 11:45 AM	01:45:00	5.43 pH	18.17 °C	145.23 µS/cm	7.66 mg/L	75.50 NTU	94.9 mV	29.66 ft	75.00 ml/min
3/18/2025 11:50 AM	01:50:00	5.43 pH	18.62 °C	145.06 µS/cm	7.44 mg/L	74.90 NTU	95.2 mV	29.74 ft	75.00 ml/min
3/18/2025 11:55 AM	01:55:00	5.44 pH	18.51 °C	144.19 µS/cm	7.40 mg/L	51.80 NTU	94.8 mV	29.88 ft	75.00 ml/min
3/18/2025 12:00 PM	02:00:00	5.44 pH	18.29 °C	144.27 µS/cm	7.39 mg/L	49.40 NTU	94.2 mV	30.00 ft	75.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 3/19/2025 9:55:03 AM
Project: Plant Wansley Ash Ponds Developments
Operator Name: D. Johnson

Location Name: WGWC-41 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 21.96 ft** **Total Depth: 31.96 ft** **Initial Depth to Water: 26.71 ft**	**Pump Type: Reclaimer** **Tubing Type: Poly** **Pump Intake From TOC: 30 ft** **Estimated Total Volume Pumped: 10.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 33.12 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080297**

Test Notes:
Well purged dry. Log 3/3. Surged with surge block for 15 then switched to reclaimer. Well purged dry on 3/17/25, resumed on 3/19/25. Slow recharge well. Removed combined 7.24 gallons from well.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
3/19/2025 9:55 AM	00:00	5.58 pH	11.70 °C	134.42 µS/cm	8.61 mg/L	1,000.00 NTU	159.8 mV	26.71 ft	100.00 ml/min
3/19/2025 10:00 AM	05:00	5.79 pH	12.19 °C	78.58 µS/cm	9.40 mg/L	1,000.00 NTU	152.5 mV	27.30 ft	100.00 ml/min
3/19/2025 10:05 AM	10:00	5.64 pH	12.23 °C	134.35 µS/cm	8.68 mg/L	1,000.00 NTU	139.8 mV	27.50 ft	100.00 ml/min
3/19/2025 10:10 AM	15:00	5.53 pH	12.80 °C	134.32 µS/cm	8.09 mg/L	942.00 NTU	111.7 mV	27.72 ft	100.00 ml/min
3/19/2025 10:15 AM	20:00	5.50 pH	12.67 °C	137.04 µS/cm	7.96 mg/L	603.00 NTU	95.3 mV	27.87 ft	100.00 ml/min
3/19/2025 10:20 AM	25:00	5.50 pH	13.30 °C	143.02 µS/cm	7.87 mg/L	471.00 NTU	89.7 mV	27.95 ft	100.00 ml/min
3/19/2025 10:25 AM	30:00	5.50 pH	13.39 °C	142.74 µS/cm	7.79 mg/L	463.00 NTU	86.5 mV	28.02 ft	100.00 ml/min
3/19/2025 10:30 AM	35:00	5.51 pH	13.31 °C	143.41 µS/cm	7.81 mg/L	480.00 NTU	84.6 mV	28.11 ft	100.00 ml/min
3/19/2025 10:35 AM	40:00	5.51 pH	13.52 °C	143.48 µS/cm	7.77 mg/L	464.00 NTU	84.1 mV	28.24 ft	100.00 ml/min
3/19/2025 10:40 AM	45:00	5.51 pH	13.52 °C	143.74 µS/cm	7.78 mg/L	453.00 NTU	82.7 mV	28.31 ft	100.00 ml/min
3/19/2025 10:45 AM	50:00	5.52 pH	13.67 °C	144.41 µS/cm	7.83 mg/L	440.00 NTU	82.0 mV	28.44 ft	100.00 ml/min
3/19/2025 10:50 AM	55:00	5.52 pH	13.97 °C	145.20 µS/cm	7.82 mg/L	591.00 NTU	81.8 mV	28.49 ft	100.00 ml/min
3/19/2025 10:55 AM	01:00:00	5.53 pH	14.20 °C	144.94 µS/cm	7.76 mg/L	757.00 NTU	81.7 mV	28.57 ft	100.00 ml/min
3/19/2025 11:00 AM	01:05:00	5.53 pH	14.24 °C	138.70 µS/cm	7.79 mg/L	832.00 NTU	81.3 mV	28.62 ft	100.00 ml/min
3/19/2025 11:05 AM	01:10:00	5.68 pH	14.44 °C	140.89 µS/cm	8.42 mg/L	816.00 NTU	94.2 mV	28.69 ft	100.00 ml/min

3/19/2025 11:10 AM	01:15:00	5.64 pH	15.24 °C	139.44 µS/cm	8.20 mg/L	975.00 NTU	86.3 mV	28.74 ft	100.00 ml/min
3/19/2025 11:15 AM	01:20:00	5.57 pH	15.65 °C	139.82 µS/cm	8.43 mg/L	1,000.00 NTU	85.7 mV	28.87 ft	100.00 ml/min
3/19/2025 11:20 AM	01:25:00	5.51 pH	15.99 °C	141.35 µS/cm	8.45 mg/L	1,000.00 NTU	86.2 mV	29.00 ft	100.00 ml/min
3/19/2025 11:25 AM	01:30:00	5.54 pH	16.88 °C	140.60 µS/cm	8.49 mg/L	999.00 NTU	88.6 mV	29.11 ft	100.00 ml/min
3/19/2025 11:30 AM	01:35:00	5.55 pH	17.26 °C	139.00 µS/cm	8.25 mg/L	987.00 NTU	88.2 mV	29.26 ft	100.00 ml/min
3/19/2025 11:35 AM	01:40:00	5.51 pH	17.26 °C	139.05 µS/cm	8.14 mg/L	954.00 NTU	89.3 mV	29.34 ft	100.00 ml/min
3/19/2025 11:40 AM	01:45:00	5.50 pH	18.06 °C	138.64 µS/cm	7.90 mg/L	921.00 NTU	88.9 mV	29.47 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/1/2024 2:40:31 PM
Project: Plant Wansley Ash Pond WGWC-42
Operator Name: J. May

Location Name: WGWC-42 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.2 ft** **Total Depth: 38.24 ft** **Initial Depth to Water: 20.6 ft**	**Pump Type: Monsoon** **Pump Intake From TOC: 35.85 ft** **Estimated Total Volume Pumped: 201.95 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 500 ml/min** **Final Draw Down: 4.5 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:

Weather Conditions:
Sunny, 90s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 0.3	
8/1/2024 2:40 PM	00:00	7.10 pH	24.83 °C	46.70 µS/cm	4.74 mg/L	3.69 NTU	102.2 mV	20.60 ft	500.00 ml/min
8/1/2024 2:45 PM	05:00	5.28 pH	20.84 °C	49.05 µS/cm	4.95 mg/L	2.86 NTU	91.0 mV	25.10 ft	500.00 ml/min
8/1/2024 2:50 PM	10:00	5.17 pH	20.65 °C	47.55 µS/cm	4.96 mg/L	1.99 NTU	89.1 mV	25.10 ft	500.00 ml/min
8/1/2024 2:55 PM	15:00	5.20 pH	20.53 °C	48.32 µS/cm	4.91 mg/L	1.54 NTU	89.9 mV	25.10 ft	500.00 ml/min
8/1/2024 3:00 PM	20:00	5.22 pH	20.75 °C	49.10 µS/cm	4.87 mg/L	1.39 NTU	89.8 mV	25.10 ft	500.00 ml/min
8/1/2024 3:05 PM	25:00	5.23 pH	20.74 °C	48.90 µS/cm	4.83 mg/L	1.24 NTU	90.0 mV	25.10 ft	500.00 ml/min

Samples

Sample ID:	Description:

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	965658
Created	8/1/2024

Sensor **RDO**

Serial Number	964434
Last Calibrated	8/1/2024

Calibration Details

Slope	1.1462613
Offset	-0.00 mg/L

Calibration point 100%

Concentration	6.70 mg/L
Temperature	27.85 °C
Barometric Pressure	992.38 mbar

Sensor **Conductivity**

Serial Number	965658
Last Calibrated	8/1/2024

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.816
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor **Level**

Serial Number	976298
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22007
Last Calibrated	8/1/2024

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.01 pH
pH mV	174.6 mV
Temperature	30.83 °C

Calibration Point 2

pH of Buffer	6.98 pH
pH mV	2.6 mV
Temperature	32.54 °C

Calibration Point 3

pH of Buffer	9.95 pH
pH mV	-170.1 mV
Temperature	32.04 °C

Slope and Offset 1

Slope	-57.92 mV/pH
Offset	1.4 mV

Slope and Offset 2

Slope	-58.15 mV/pH
Offset	1.4 mV

ORP

ORP Solution	Zobell's
Offset	4.9 mV
Temperature	30.05 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080297
Created	3/17/2025

Sensor **RDO**

Serial Number	1114621
Last Calibrated	3/17/2025

Calibration Details

Slope	1.1615752
Offset	-0.00 mg/L

Calibration point 100%

Concentration	8.18 mg/L
Temperature	16.85 °C
Barometric Pressure	993.75 mbar

Sensor **Conductivity**

Serial Number	1080297
Last Calibrated	3/17/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.978
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor **Level**

Serial Number	1079487
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22513
Last Calibrated	3/17/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	161.8 mV
Temperature	14.76 °C

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	-3.4 mV
Temperature	14.15 °C

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-175.4 mV
Temperature	14.84 °C

Slope and Offset 1

Slope	-54.36 mV/pH
Offset	-1.3 mV

Slope and Offset 2

Slope	-56.03 mV/pH
Offset	-1.2 mV

ORP

ORP Solution	Zobell's
Offset	-8.8 mV
Temperature	14.01 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080297
Created	3/18/2025

Sensor	**RDO**
Serial Number	1114621
Last Calibrated	3/18/2025

Calibration Details

Slope	1.1659901
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.43 mg/L
Temperature	6.24 °C
Barometric Pressure	995.67 mbar

Sensor	**Conductivity**
Serial Number	1080297
Last Calibrated	3/18/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.942
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1079487
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22513
Last Calibrated	3/18/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	156.1 mV
Temperature	10.07 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-3.2 mV
Temperature	10.28 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-179.2 mV
Temperature	8.69 °C

Slope and Offset 1

Slope	-52.05 mV/pH
Offset	-0.1 mV

Slope and Offset 2

Slope	-57.15 mV/pH
Offset	0.2 mV

ORP

ORP Solution	Zobell's
Offset	-9.3 mV
Temperature	10.91 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080297
Created	3/19/2025

Sensor **RDO**

Serial Number	1114621
Last Calibrated	3/19/2025

Calibration Details

Slope	1.1530538
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.97 mg/L
Temperature	8.25 °C
Barometric Pressure	989.58 mbar

Sensor **Conductivity**

Serial Number	1080297
Last Calibrated	3/19/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.938
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor **Level**

Serial Number	1079487
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22513
Last Calibrated	3/19/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	155.2 mV
Temperature	13.59 °C

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	0.1 mV
Temperature	13.94 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-178.8 mV
Temperature	12.34 °C

Slope and Offset 1

Slope	-51 mV/pH
Offset	2.2 mV

Slope and Offset 2

Slope	-57.72 mV/pH
Offset	2.5 mV

ORP

ORP Solution	Zobell's
Offset	-8.5 mV
Temperature	14.32 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080297
Created	3/20/2025

Sensor	**RDO**
Serial Number	1114621
Last Calibrated	3/20/2025

Calibration Details

Slope	1.1534591
Offset	-0.00 mg/L

Calibration point 100%

Concentration	8.22 mg/L
Temperature	16.41 °C
Barometric Pressure	982.21 mbar

Sensor	**Conductivity**
Serial Number	1080297
Last Calibrated	3/20/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.936
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1079487
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22513
Last Calibrated	3/20/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	157.6 mV
Temperature	18.86 °C

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	-0.7 mV
Temperature	18.91 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-179.5 mV
Temperature	18.04 °C

Slope and Offset 1

Slope	-52.41 mV/pH
Offset	0.4 mV

Slope and Offset 2

Slope	-59.03 mV/pH
Offset	0.5 mV

ORP

ORP Solution	Zobell's
Offset	-5.6 mV
Temperature	19.31 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080302
Created	3/17/2025

Sensor	**RDO**
Serial Number	1078430
Last Calibrated	3/17/2025

Calibration Details

Slope	1.1132712
Offset	-0.00 mg/L

Calibration point 100%

Concentration	8.63 mg/L
Temperature	16.34 °C
Barometric Pressure	993.54 mbar

Sensor	**Conductivity**
Serial Number	1080302
Last Calibrated	3/17/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.001
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1080275
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22508
Last Calibrated	3/17/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	166.4 mV
Temperature	16.02 °C

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	-4.6 mV
Temperature	16.02 °C

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-171.8 mV
Temperature	15.44 °C

Slope and Offset 1

Slope	-56.24 mV/pH
Offset	-2.3 mV

Slope and Offset 2

Slope	-54.46 mV/pH
Offset	-2.4 mV

ORP

ORP Solution	ORP Standard
Offset	-9.5 mV
Temperature	15.41 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080302
Created	3/18/2025

Sensor	**RDO**
Serial Number	1078430
Last Calibrated	3/18/2025

Calibration Details

Slope	1.0710618
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.81 mg/L
Temperature	8.19 °C
Barometric Pressure	995.72 mbar

Sensor	**Conductivity**
Serial Number	1080302
Last Calibrated	3/18/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.012
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1080275
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22508
Last Calibrated	3/18/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	160.5 mV
Temperature	9.98 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-4.8 mV
Temperature	10.38 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-172.1 mV
Temperature	10.26 °C

Slope and Offset 1

Slope	-54.01 mV/pH
Offset	-1.5 mV

Slope and Offset 2

Slope	-54.32 mV/pH
Offset	-1.5 mV

ORP

ORP Solution	ORP Standard
Offset	-20.1 mV
Temperature	9.91 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080302
Created	3/19/2025

Sensor	**RDO**
Serial Number	1078430
Last Calibrated	3/19/2025

Calibration Details

Slope	1.0671144
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.56 mg/L
Temperature	9.06 °C
Barometric Pressure	989.28 mbar

Sensor	**Conductivity**
Serial Number	1080302
Last Calibrated	3/19/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.975
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1080275
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22508
Last Calibrated	3/19/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	162.4 mV
Temperature	11.84 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-3.0 mV
Temperature	12.30 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-173.0 mV
Temperature	12.31 °C

Slope and Offset 1

Slope	-54.06 mV/pH
Offset	0.2 mV

Slope and Offset 2

Slope	-55.18 mV/pH
Offset	0.3 mV

ORP

ORP Solution	ORP Standard
Offset	-13.5 mV
Temperature	12.12 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1080302
Created	3/20/2025

Sensor	**RDO**
Serial Number	1078430
Last Calibrated	3/20/2025

Calibration Details

Slope	1.0479928
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.13 mg/L
Temperature	16.00 °C
Barometric Pressure	982.30 mbar

Sensor	**Conductivity**
Serial Number	1080302
Last Calibrated	3/20/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.999
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1080275
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22508
Last Calibrated	3/20/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	164.1 mV
Temperature	17.41 °C

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	-4.1 mV
Temperature	17.00 °C

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-172.4 mV
Temperature	17.40 °C

Slope and Offset 1

Slope	-55.33 mV/pH
Offset	-1.9 mV

Slope and Offset 2

Slope	-54.8 mV/pH
Offset	-2.0 mV

ORP

ORP Solution	ORP Standard
Offset	-3.5 mV
Temperature	17.63 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1167968
Created	3/25/2025

Sensor	**RDO**
Serial Number	1170520
Last Calibrated	3/20/2025

Calibration Details

Slope	0.9327334
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.69 mg/L
Temperature	18.51 °C
Barometric Pressure	978.36 mbar

Sensor	**Conductivity**
Serial Number	1167968
Last Calibrated	3/25/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.766
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1166813
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22821
Last Calibrated	3/25/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	163.7 mV
Temperature	14.24 °C

Calibration Point 2

pH of Buffer	7.00 pH
pH mV	-7.0 mV
Temperature	14.31 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-174.4 mV
Temperature	14.93 °C

Slope and Offset 1

Slope	-56.89 mV/pH
Offset	-7.0 mV

Slope and Offset 2

Slope	-55.8 mV/pH
Offset	-7.0 mV

ORP

ORP Solution	ORP Standard
Offset	-11.9 mV
Temperature	14.30 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1167968
Created	3/26/2025

Sensor	**RDO**
Serial Number	1170520
Last Calibrated	3/20/2025

Calibration Details

Slope	0.9327334
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.69 mg/L
Temperature	18.51 °C
Barometric Pressure	978.36 mbar

Sensor	**Conductivity**
Serial Number	1167968
Last Calibrated	3/25/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.766
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1166813
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22821
Last Calibrated	3/26/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	166.9 mV
Temperature	19.71 °C

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	-5.7 mV
Temperature	20.17 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-180.0 mV
Temperature	20.22 °C

Slope and Offset 1

Slope	-57.15 mV/pH
Offset	-4.6 mV

Slope and Offset 2

Slope	-57.52 mV/pH
Offset	-4.6 mV

ORP

ORP Solution	Zobell's
Offset	5.0 mV
Temperature	19.59 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1167968
Created	3/27/2025

Sensor	**RDO**
Serial Number	1170520
Last Calibrated	3/20/2025

Calibration Details

Slope	0.9327334
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.69 mg/L
Temperature	18.51 °C
Barometric Pressure	978.36 mbar

Sensor	**Conductivity**
Serial Number	1167968
Last Calibrated	3/25/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.766
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1166813
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22821
Last Calibrated	3/27/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	165.7 mV
Temperature	19.67 °C

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	-5.2 mV
Temperature	19.01 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-178.1 mV
Temperature	19.18 °C

Slope and Offset 1

Slope	-56.58 mV/pH
Offset	-4.1 mV

Slope and Offset 2

Slope	-57.06 mV/pH
Offset	-4.1 mV

ORP

ORP Solution	Zobell's
Offset	1.0 mV
Temperature	19.45 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1167968
Created	3/28/2025

Sensor	**RDO**
Serial Number	1170520
Last Calibrated	3/20/2025

Calibration Details

Slope	0.9327334
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.69 mg/L
Temperature	18.51 °C
Barometric Pressure	978.36 mbar

Sensor	**Conductivity**
Serial Number	1167968
Last Calibrated	3/25/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.766
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1166813
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22821
Last Calibrated	3/28/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	165.4 mV
Temperature	17.71 °C

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	-3.1 mV
Temperature	18.11 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-176.2 mV
Temperature	17.91 °C

Slope and Offset 1

Slope	-55.79 mV/pH
Offset	-1.9 mV

Slope and Offset 2

Slope	-57.15 mV/pH
Offset	-1.9 mV

ORP

ORP Solution	Zobell's
Offset	-0.7 mV
Temperature	17.58 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1167968
Created	4/1/2025

Sensor	**RDO**
Serial Number	1170520
Last Calibrated	3/20/2025

Calibration Details

Slope	0.9327334
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.69 mg/L
Temperature	18.51 °C
Barometric Pressure	978.36 mbar

Sensor	**Conductivity**
Serial Number	1167968
Last Calibrated	3/25/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.766
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1166813
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22821
Last Calibrated	4/1/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	161.6 mV
Temperature	13.69 °C

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	-2.1 mV
Temperature	15.04 °C

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-175.6 mV
Temperature	15.71 °C

Slope and Offset 1

Slope	-53.85 mV/pH
Offset	0.1 mV

Slope and Offset 2

Slope	-56.52 mV/pH
Offset	0.2 mV

ORP

ORP Solution	Zobell's
Offset	-1.5 mV
Temperature	15.88 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1167968
Created	4/2/2025

Sensor	**RDO**
Serial Number	1170520
Last Calibrated	3/20/2025

Calibration Details

Slope	0.9327334
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.69 mg/L
Temperature	18.51 °C
Barometric Pressure	978.36 mbar

Sensor	**Conductivity**
Serial Number	1167968
Last Calibrated	3/25/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	1.766
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1166813
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22821
Last Calibrated	4/2/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	162.3 mV
Temperature	20.04 °C

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	-3.0 mV
Temperature	20.92 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-175.4 mV
Temperature	21.44 °C

Slope and Offset 1

Slope	-54.74 mV/pH
Offset	-1.9 mV

Slope and Offset 2

Slope	-56.91 mV/pH
Offset	-1.8 mV

ORP

ORP Solution	Zobell's
Offset	-1.2 mV
Temperature	21.47 °C

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Wansley AP-1 Date: 4-29-25

Calibrated By: D. Johnson Field Conditions: 68°, F; Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Troll 500	1183949
Turbidity Meter	HACH	22080D CC01127

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	4GL0127	5/26	PINE
pH (SU)	7.00	4GJ0127	10/26	PINE
pH (SU)	10.00	4GL0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	1GL0482	3/26	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	AA172	9-25	HACH
	20	AA183	10-25	HACH
	100	AA179	10-25	HACH

Calibration					
Time Start: 0920		**Time Finish:** 0935			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	101.65	20.72	± 10%	EPA 2023
pH (SU)	4.00	4.00	23.59	± 0.1	GWMP
pH (SU)	7.00	7.00	23.23	± 0.1	GWMP
pH (SU)	10.00	10.00	23.74	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1453	22.86	± 10% of standard	NA
ORP (mV)	240.0	242.8	23.13	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.18	± 10% of standard	EPA 2023
	10	9.98		
	20	20.6		
	100	98.6		

Calibration Check					
Time Start 1337		**Time Finish** 1343			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.02	25.37	± 0.1	GWMP
pH (SU)	7.00	7.00	25.36	± 0.1	GWMP
pH (SU)	10.00	10.04	25.80	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1427	25.11	± 10% of standard	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		

Notes:

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Wansley AP-1 Date: 4/30/25

Calibrated By: D. Johnson Field Conditions: 69°F, Sunny.

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Troll 500	1183949
Turbidity Meter	Hach	220800cx0127

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	4GE0127	5/26	PINE
pH (SU)	7.00	4GJ0127	10/26	PINE
pH (SU)	10.00	4GC0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	4GC0482	3/26	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	A4172	9-25	HACH
	20	A4183	10-25	HACH
	100	A4179	10-25	HACH

Calibration					
Time Start: 0920		**Time Finish:** 0931			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.48	26.13	± 10%	EPA 2023
pH (SU)	4.00	4.00	24.11	± 0.1	GWMP
pH (SU)	7.00	7.00	20.08	± 0.1	GWMP
pH (SU)	10.00	10.00	24.28	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1420	24.16	± 10% of standard	NA
ORP (mV)	240.0	238.1	24.23	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.18	± 10% of standard	EPA 2023
	10	9.93		
	20	19.8		
	100	99.1		

Calibration Check					
Time Start 1155		**Time Finish** 1200			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.01	26.32	± 0.1	GWMP
pH (SU)	7.00	7.03	26.30	± 0.1	GWMP
pH (SU)	10.00	10.00	26.47	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1410	26.35	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.20	± 10% of standard	EPA 2023
	10	10.0		
	20	20.1		
	100	100		

Notes:

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Wansley AP-1 Date: 5/1/25

Calibrated By: D. Johnson Field Conditions: Cloudy, 70°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Troll 500	1183949
Turbidity Meter	Hach	22080D001127

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	YG80127	5/26	PINE
pH (SU)	7.00	YG3U27	10/26	PINE
pH (SU)	10.00	YG70482	3/26	PINE
Specific Conductance (µS/cm)	1,413	YGL600	3/26	PINE
ORP (mV)	240.0	SGA0447	10/25	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4172	9/25	HACH
	20	A4183	10/25	HACH
	100	A4179	10/25	HACH

Calibration					
Time Start: 0825		**Time Finish:** 0838			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.07	24.23	± 10%	EPA 2023
pH (SU)	4.00	4.00	24.20	± 0.1	GWMP
pH (SU)	7.00	7.00	24.19	± 0.1	GWMP
pH (SU)	10.00	10.00	24.11	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1418	24.20	± 10% of standard	NA
ORP (mV)	240.0	239.0	23.45	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.1		
	20	20.3		
	100	97.7		

Calibration Check					
Time Start 1104		**Time Finish** 1110			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.01	25.06	± 0.1	GWMP
pH (SU)	7.00	7.00	25.10	± 0.1	GWMP
pH (SU)	10.00	10.03	25.08	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1415	25.11	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.18	± 10% of standard	EPA 2023
	10	10.0		
	20	20.2		
	100	101		

Notes:

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Wansley

Date: 5/7/25

Calibrated By: J. Bearfield

Field Conditions: Light Rain

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	118 3974
Turbidity Meter	HACH 2100Q	22080D001127

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	—	—
pH (SU)	4.00	4661238	7/26	Pine
pH (SU)	7.00	46E0915	9/26	Pine
pH (SU)	10.00	46C0600	3/26	Pine
Specific Conductance (µS/cm)	1,413	46H0240	8/25	Pine
ORP (mV)	240.0	56A0447	10/25	Pine

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	NA —	NA —
	10	A4172	9/25	HACH
	20	A4183	10/25	HACH
	100	A4179	10/25	HACH

Calibration					
Time Start: 0931		**Time Finish:** 0945			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	19.65	± 10%	EPA 2023
pH (SU)	4.00	4.00	20.04	± 0.1	GWMP
pH (SU)	7.00	7.02	19.82	± 0.1	GWMP
pH (SU)	10.00	10.05	19.41	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1284	1284	19.64	± 10% of standard	NA
ORP (mV)	240.0	235	19.98	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	9.92		
	20	20.4		
	100	99		

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			

Notes:

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Plant Wansley

Date: 5/8/25

Calibrated By: J. Bransford

Field Conditions: cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183974
Turbidity Meter	HACH 2100 Q	220300 001127

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	—	—
pH (SU)	4.00	4661238	7/26	Pine
pH (SU)	7.00	4GI0915	9/26	Pine
pH (SU)	10.00	4GC0600	3/26	Pine
Specific Conductance (µS/cm)	1,413	4H60240	8/25	Pine
ORP (mV)	240.0	5GA0447	10/25	Pine

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	NA	—
	10	A4172	9/25	HACH
	20	A4183	10/25	HACH
	100	A4179	10/25	HACH

Calibration					
Time Start: 0968		**Time Finish:** 0925			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	20.62	± 10%	EPA 2023
pH (SU)	4.00	4.00	20.89	± 0.1	GWMP
pH (SU)	7.00	7.02	20.84	± 0.1	GWMP
pH (SU)	10.00	10.05	21.05	± 0.1	GWMP
Specific Conductance (µS/cm)	~~1413~~ 1284	1284	21.04	± 10% of standard	NA
ORP (mV)	~~240.0~~ 234	234	21.08	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.16	± 10% of standard	EPA 2023
	10	9.96		
	20	20.6		
	100	98		

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			

Notes:

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183974
Created	5/21/2025

Sensor	**Conductivity**
Serial Number	1181657
Last Calibrated	5/21/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.84
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,233.1 µS/cm
Specific Conductivity	1,228.5 µS/cm

Post Measurement

Actual Conductivity	1,418.3 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113189
Last Calibrated	5/21/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	159.2 mV
Temperature	25.46 °C

Pre Measurement

pH	3.86 pH
pH mV	159.2 mV

Post Measurement

pH	4.00 pH
pH mV	159.5 mV

Calibration Point 2

pH of Buffer	7.00 pH
pH mV	-14.0 mV
Temperature	25.21 °C

Pre Measurement

pH	7.26 pH
pH mV	-14.0 mV

Post Measurement

pH	7.00 pH
pH mV	-14.0 mV

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-189.4 mV
Temperature	25.37 °C

Pre Measurement

pH	10.38 pH
pH mV	-189.5 mV

Post Measurement

pH	10.00 pH
pH mV	-189.6 mV

Slope and Offset 1

Slope	-57.76 mV/pH
Offset	-14.0 mV

Slope and Offset 2

Slope	-58.46 mV/pH

Offset	-14.0 mV

ORP

ORP Solution	ORP Standard
Offset	23.3 mV
Temperature	24.81 °C
Pre Measurement	209.5 mV
Post Measurement	240.0 mV

Sensor	**RDO**
Serial Number	1174882
Last Calibrated	5/21/2025

Calibration Details

Slope	1.0215076
Offset	-0.00 mg/L

Calibration point 100%

Concentration	7.66 mg/L
Pre Measurement	98.56 %Sat
Post Measurement	100.00 %Sat
Temperature	26.30 °C
Barometric Pressure	984.00 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183974
Created	5/22/2025

Sensor	**Conductivity**
Serial Number	1181657
Last Calibrated	5/22/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.872
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,260.3 µS/cm
Specific Conductivity	1,362.1 µS/cm

Post Measurement

Actual Conductivity	1,307.4 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113189
Last Calibrated	5/22/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	156.2 mV
Temperature	21.22 °C

Pre Measurement

pH	4.01 pH
pH mV	156.2 mV

Post Measurement

pH	4.00 pH
pH mV	154.2 mV

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	-15.8 mV
Temperature	21.07 °C

Pre Measurement

pH	7.03 pH
pH mV	-16.2 mV

Post Measurement

pH	7.02 pH
pH mV	-15.6 mV

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-189.2 mV
Temperature	20.97 °C

Pre Measurement

pH	10.04 pH
pH mV	-188.9 mV

Post Measurement

pH	10.05 pH
pH mV	-186.6 mV

Slope and Offset 1

Slope	-56.94 mV/pH
Offset	-14.7 mV

Slope and Offset 2

Slope	-57.22 mV/pH

Offset	-14.6 mV

ORP

ORP Solution	Zobell's
Offset	13.0 mV
Temperature	20.66 °C
Pre Measurement	245.1 mV
Post Measurement	234.8 mV

Sensor	**RDO**
Serial Number	1174882
Last Calibrated	5/22/2025

Calibration Details

Slope	1.0096011
Offset	-0.00 mg/L

Calibration point 100%

Concentration	8.29 mg/L
Pre Measurement	101.24 %Sat
Post Measurement	100.00 %Sat
Temperature	23.01 °C
Barometric Pressure	989.65 mbar

APPENDIX D

Certified Well Survey Data

Plant Wansley Carrolton County, Georgia						
Monitoring Well survey and Soil Boring						
Well ID	Casing	Casing	Top of Casing	Nail or Pad	Nail or Pad	Nail or Pad
	Northing	Easting	Elevation	Northing	Easting	Elevation
WGWC-30	1240032.727	2022624.285	815.203	1240032.651	2022623.081	812.443
WGWC-31D	1240831.553	2027168.065	814.613	1240830.770	2027168.031	811.793
WGWC-31S	1240831.576	2027173.435	814.693	1240830.639	2027173.517	811.743
WGWC-32	1241721.241	2028131.515	810.228	1241720.732	2028132.355	807.698
WGWC-33	1242764.834	2029104.255	812.093	1242763.820	2029104.994	809.713
WGWC-34D	1245303.302	2027822.224	806.038	1245304.053	2027822.890	806.313
WGWC-34S	1245294.991	2027830.717	805.768	1245295.508	2027831.621	806.278
WGWC-35D	1244985.871	2028140.126	806.023	1244986.643	2028140.920	806.273
WGWC-35S	1244973.255	2028152.746	805.953	1244973.881	2028153.404	806.238
WGWC-36D	1244524.680	2028595.964	805.563	1244525.364	2028596.522	805.813
WGWC-36S	1244517.478	2028601.760	805.618	1244518.646	2028602.803	805.813
WGWC-38D	1243855.622	2029276.990	806.148	1243856.137	2029277.479	806.373
WGWC-38S	1243844.644	2029287.399	806.068	1243845.493	2029288.344	806.323

Boring	Northing	Easting	Elevation
GSD1	1245312.899	2027812.522	806.104
GSD2	1245346.828	2027776.536	805.890
SB24	1239924.129	2024156.045	802.124

All coordinates are based upon Georgia State Plane, West Zone. Elevations are refrenced to NAVD 1988 datum.
Control used to perform work set by Thompson in 2021 by running static sessions and submitting to OPUS for coordinates and elevations. Equipment used for horizontal positions: Trimble R12 RTK GPS. Elevations for each point was established by running closed level loops with Sokia level.

4/9/2025

Johnny E. Holley — date

Georgia Registration Number LS003550

Thompson Engineering Certificate of Authorization LSF-1151



APPENDIX B

Well Maintenance and Repair Documentation Memoranda

ATLANTIC COAST CONSULTING, INC.

A solid approach for a cleaner environment.

Memorandum

To: Trey Singleton – Southern Company Services

From: Atlantic Coast Consulting

Date: June 20, 2025

Subject: Plant Wansley Ash Pond – Well Maintenance and Repair Documentation
Georgia Power Company

Atlantic Coast Consulting (ACC) has prepared this memorandum to provide documentation of any groundwater monitoring well maintenance and/or repairs performed at Plant Wansley Ash Pond during the 2025 Semiannual Groundwater Monitoring reporting period. All repairs and maintenance are documented as completed in accordance with the Georgia Environmental Protection Division's guidance on routine visual inspections of groundwater monitoring wells.

On June 18, 2025, Atlantic Coast Consulting repaired the undercutting under the well pad for groundwater monitoring well WGWA-6. No other repairs or well maintenance were necessary during the reporting period.

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

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)
WGWA-1	YES	YES	NO	YES
WGWA-2	YES	YES	NO	YES
WGWA-3	YES	YES	NO	YES
WGWA-4	YES	YES	NO	YES
WGWA-5	YES	YES	NO	YES
WGWA-6	YES	YES	NO	YES
WGWA-7	YES	YES	NO	YES
WGWA-18	YES	YES	NO	YES
WGWC-8	YES	YES	NO	YES
WGWC-9	YES	YES	NO	YES
WGWC-10	YES	YES	NO	YES
WGWC-11	YES	YES	NO	YES
WGWC-12	YES	YES	NO	YES
WGWC-13	YES	YES	NO	YES
WGWC-14	YES	YES	NO	YES
WGWC-14A	YES	YES	NO	YES
WGWC-15	YES	YES	NO	YES
WGWC-16	YES	YES	NO	YES
WGWC-17	YES	YES	NO	YES
WGWC-19	YES	YES	NO	YES
WGWC-20	YES	YES	NO	YES
WGWC-21	YES	YES	NO	YES
WGWC-22	YES	YES	NO	YES
WGWC-23	YES	YES	NO	YES
WGWC-24	YES	YES	NO	YES
WGWC-25	YES	YES	NO	YES
WGWC-26D	YES	YES	NO	YES
WGWC-27	YES	YES	NO	YES
WGWC-28D	YES	YES	NO	YES
PZ-1	YES	YES	NO	YES
PZ-4	YES	YES	NO	YES
PZ-6	YES	YES	NO	YES
PZ-8	YES	YES	NO	YES
PZ-10	YES	YES	NO	YES
PZ-12	YES	YES	NO	YES
PZ-15	YES	YES	NO	YES
PZ-16	YES	YES	NO	YES

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

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-17	YES	YES	NO	YES
PZ-18	YES	YES	NO	YES
PZ-20	YES	YES	NO	YES
PZ-23D	YES	YES	NO	YES
PZ-26D	YES	YES	NO	YES
PZ-27D	YES	YES	NO	YES
PZ-28	YES	YES	NO	YES
PZ-29D	YES	YES	NO	YES
PZ-29S	YES	YES	NO	YES
PZ-30	YES	YES	NO	YES
PZ-31	YES	YES	NO	YES
WAMW-1	YES	YES	NO	YES
WAMW-2	YES	YES	NO	YES

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

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
WGWA-1	YES	YES	YES	YES	YES
WGWA-2	YES	YES	YES	YES	YES
WGWA-3	YES	YES	YES	YES	YES
WGWA-4	YES	YES	YES	YES	YES
WGWA-5	YES	YES	YES	YES	YES
WGWA-6	YES	YES	YES	YES	YES
WGWA-7	YES	YES	YES	YES	YES
WGWA-18	YES	YES	YES	YES	YES
WGWC-8	YES	YES	YES	YES	YES
WGWC-9	YES	YES	YES	YES	YES
WGWC-10	YES	YES	YES	YES	YES
WGWC-11	YES	YES	YES	YES	YES
WGWC-12	YES	YES	YES	YES	YES
WGWC-13	YES	YES	YES	YES	YES
WGWC-14A	YES	YES	YES	YES	YES
WGWC-14A	YES	YES	YES	YES	YES
WGWC-15	YES	YES	YES	YES	YES
WGWC-16	YES	YES	YES	YES	YES
WGWC-17	YES	YES	YES	YES	YES
WGWC-19	YES	YES	YES	YES	YES
WGWC-20	YES	YES	YES	YES	YES
WGWC-21	YES	YES	YES	YES	YES
WGWC-22	YES	YES	YES	YES	YES
WGWC-23	YES	YES	YES	YES	YES
WGWC-24	YES	YES	YES	YES	YES
WGWC-25	YES	YES	YES	YES	YES
WGWC-26D	YES	YES	YES	YES	YES
WGWC-27	YES	YES	YES	YES	YES
WGWC-28D	YES	YES	YES	YES	YES
PZ-01	YES	YES	YES	YES	YES
PZ-04	YES	YES	YES	YES	YES
PZ-06	YES	YES	YES	YES	YES
PZ-08	YES	YES	YES	YES	YES
PZ-10	YES	YES	YES	YES	YES
PZ-12	YES	YES	YES	YES	YES
PZ-15	YES	YES	YES	YES	YES
PZ-16	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

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-17	YES	YES	YES	YES	YES
PZ-18	YES	YES	YES	YES	YES
PZ-20	YES	YES	YES	YES	YES
PZ-23D	YES	YES	YES	YES	YES
PZ-26D	YES	YES	YES	YES	YES
PZ-27D	YES	YES	YES	YES	YES
PZ-28	YES	YES	YES	YES	YES
PZ-29D	YES	YES	YES	YES	YES
PZ-29S	YES	YES	YES	YES	YES
PZ-30	YES	YES	YES	YES	YES
PZ-31	YES	YES	YES	YES	YES
WAMW-1	YES	YES	YES	YES	YES
WAMW-2	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

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
WGWA-1	YES	YES	YES	YES	YES	YES
WGWA-2	YES	YES	YES	YES	YES	YES
WGWA-3	YES	YES	YES	YES	YES	YES
WGWA-4	YES	YES	YES	YES	YES	YES
WGWA-5	YES	YES	YES	YES	YES	YES
WGWA-6	YES	YES	YES	YES	YES	YES
WGWA-7	YES	YES	YES	YES	YES	YES
WGWA-18	YES	YES	YES	YES	YES	YES
WGWC-8	YES	YES	YES	YES	YES	YES
WGWC-9	YES	YES	YES	YES	YES	YES
WGWC-10	YES	YES	YES	YES	YES	YES
WGWC-11	YES	YES	YES	YES	YES	YES
WGWC-12	YES	YES	YES	YES	YES	YES
WGWC-13	YES	YES	YES	YES	YES	YES
WGWC-14A	YES	YES	YES	YES	YES	YES
WGWC-14A	YES	YES	YES	YES	YES	YES
WGWC-15	YES	YES	YES	YES	YES	YES
WGWC-16	YES	YES	YES	YES	YES	YES
WGWC-17	YES	YES	YES	YES	YES	YES
WGWC-19	YES	YES	YES	YES	YES	YES
WGWC-20	YES	YES	YES	YES	YES	YES
WGWC-21	YES	YES	YES	YES	YES	YES
WGWC-22	YES	YES	YES	YES	YES	YES
WGWC-23	YES	YES	YES	YES	YES	YES
WGWC-24	YES	YES	YES	YES	YES	YES
WGWC-25	YES	YES	YES	YES	YES	YES
WGWC-26D	YES	YES	YES	YES	YES	YES
WGWC-27	YES	YES	YES	YES	YES	YES
WGWC-28D	YES	YES	YES	YES	YES	YES
PZ-01	YES	YES	YES	YES	YES	YES
PZ-04	YES	YES	YES	YES	YES	YES
PZ-06	YES	YES	YES	YES	YES	YES
PZ-08	YES	YES	YES	YES	YES	YES
PZ-10	YES	YES	YES	YES	YES	YES
PZ-12	YES	YES	YES	YES	YES	YES
PZ-15	YES	YES	YES	YES	YES	YES
PZ-16	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

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-17	YES	YES	YES	YES	YES	YES
PZ-18	YES	YES	YES	YES	YES	YES
PZ-20	YES	YES	YES	YES	YES	YES
PZ-23D	YES	YES	YES	YES	YES	YES
PZ-26D	YES	YES	YES	YES	YES	YES
PZ-27D	YES	YES	YES	YES	YES	YES
PZ-28	YES	YES	YES	YES	YES	YES
PZ-29D	YES	YES	YES	YES	YES	YES
PZ-29S	YES	YES	YES	YES	YES	YES
PZ-30	YES	YES	YES	YES	YES	YES
PZ-31	YES	YES	YES	YES	YES	YES
WAMW-1	YES	YES	YES	YES	YES	YES
WAMW-2	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

Well ID:	Corrective actions as needed, by date:
WGWA-1	
WGWA-2	
WGWA-3	
WGWA-4	
WGWA-5	
WGWA-6	
WGWA-7	
WGWA-18	
WGWC-8	
WGWC-9	
WGWC-10	
WGWC-11	
WGWC-12	
WGWC-13	
WGWC-14A	
WGWC-14A	
WGWC-15	
WGWC-16	
WGWC-17	
WGWC-19	
WGWC-20	
WGWC-21	
WGWC-22	
WGWC-23	
WGWC-24	
WGWC-25	
WGWC-26D	
WGWC-27	
WGWC-28D	
PZ-01	
PZ-04	
PZ-06	
PZ-08	
PZ-10	
PZ-12	
PZ-15	
PZ-16	

Well Inspection

Site Name: Plant Wansley Ash Pond 1 Date: 2/10/2025

Permit Number: Field Conditions: Mostly cloudy, 59º F

Well ID:	Corrective actions as needed, by date:
PZ-17	
PZ-18	
PZ-20	
PZ-23D	
PZ-26D	
PZ-27D	
PZ-28	
PZ-29D	
PZ-29S	
PZ-30	
PZ-31	
WAMW-1	
WAMW-2	

APPENDIX C

Analytical Laboratory Results and Field Sampling Forms

Appendix C1: Laboratory Analytical Data Packages and Data Validation Reports

Appendix C2: Field Sampling Forms

APPENDIX C1

Laboratory Analytical Data Packages and Data Validation Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 2/24/2025 9:31:05 AM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-261849-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

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Authorization



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Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-261849-1	WAN-WGWC-17	Water	02/11/25 13:27	02/13/25 10:28
680-261849-2	WAN-AP1-FD-01	Water	02/11/25 00:00	02/13/25 10:28
680-261849-3	WAN-AP1-FB-07	Water	02/11/25 13:50	02/13/25 10:28
680-261849-4	WAN-WGWA-1	Water	02/10/25 16:50	02/13/25 10:28
680-261849-5	WAN-WGWA-2	Water	02/10/25 16:25	02/13/25 10:28
680-261849-6	WAN-WGWA-3	Water	02/10/25 16:46	02/13/25 10:28
680-261849-7	WAN-WGWA-4	Water	02/11/25 10:05	02/13/25 10:28
680-261849-8	WAN-WGWA-6	Water	02/11/25 11:35	02/13/25 10:28
680-261849-9	WAN-WGWA-7	Water	02/11/25 13:20	02/13/25 10:28
680-261849-10	WAN-WGWA-18	Water	02/11/25 11:15	02/13/25 10:28
680-261849-11	WAN-WGWC-8	Water	02/11/25 14:50	02/13/25 10:28
680-261849-12	WAN-WGWC-9	Water	02/11/25 16:06	02/13/25 10:28
680-261849-13	WAN-WGWC-11	Water	02/11/25 16:08	02/13/25 10:28
680-261849-14	WAN-WGWC-12	Water	02/11/25 14:50	02/13/25 10:28

Job ID: 680-261849-1 — Eurofins Savannah

Job Narrative
680-261849-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 2/13/2025 10:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.2°C, 0.6°C, 3.5°C, 3.8°C, 3.8°C and 4.2°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-261849-1

Date Collected: 02/11/25 13:27

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.9**		1.0	0.20	mg/L			02/20/25 13:43	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 13:43	1
Sulfate	**3.4**		1.0	0.40	mg/L			02/20/25 13:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 13:37	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 13:37	1
Barium	**0.012**		0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 13:37	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 13:37	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 13:37	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 13:37	1
Calcium	**5.8**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 13:37	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 13:37	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 13:37	1
Iron	**0.088**		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 13:37	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 13:37	1
Lithium	**0.0034**	**J**	0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 13:37	1
Magnesium	**3.4**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 13:37	1
Manganese	**0.0095**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 13:37	1
Molybdenum	**0.0023**	**J**	0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 13:37	1
Potassium	**1.4**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 13:37	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 13:37	1
Sodium	**8.8**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 13:37	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 13:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**47**		5.0	5.0	mg/L			02/18/25 00:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**47**		5.0	5.0	mg/L			02/18/25 00:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 00:57	1
Total Dissolved Solids (SM 2540C-2011)	**81**		10	10	mg/L			02/17/25 08:32	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-261849-2

Date Collected: 02/11/25 00:00

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.3**		2.0	0.40	mg/L			02/20/25 14:41	2
Fluoride	<0.080		0.20	0.080	mg/L			02/20/25 14:41	2
Sulfate	**12**		2.0	0.80	mg/L			02/20/25 14:41	2

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-261849-2

Date Collected: 02/11/25 00:00

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/14/25 13:50	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/14/25 13:50	1
Barium	**0.018**		0.010	0.00089	mg/L		02/14/25 06:27	02/14/25 13:50	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/14/25 13:50	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/14/25 13:50	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/14/25 13:50	1
Calcium	**15**		0.50	0.14	mg/L		02/14/25 06:27	02/14/25 13:50	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/14/25 13:50	1
Cobalt	**0.00030**	**J**	0.0025	0.00022	mg/L		02/14/25 06:27	02/14/25 13:50	1
Iron	**1.4**		0.050	0.012	mg/L		02/14/25 06:27	02/14/25 13:50	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/14/25 13:50	1
Lithium	**0.012**	**B**	0.0050	0.0020	mg/L		02/14/25 06:27	02/14/25 13:50	1
Magnesium	**3.2**		0.50	0.023	mg/L		02/14/25 06:27	02/14/25 13:50	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/14/25 06:27	02/14/25 13:50	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/14/25 13:50	1
Potassium	**2.2**		0.50	0.044	mg/L		02/14/25 06:27	02/14/25 13:50	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/14/25 13:50	1
Sodium	**6.3**		0.50	0.20	mg/L		02/14/25 06:27	02/14/25 13:50	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/14/25 13:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**45**		5.0	5.0	mg/L			02/17/25 21:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**45**		5.0	5.0	mg/L			02/17/25 21:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/17/25 21:46	1
Total Dissolved Solids (SM 2540C-2011)	**95**		10	10	mg/L			02/17/25 08:32	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-261849-3

Date Collected: 02/11/25 13:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/20/25 14:16	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 14:16	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/25 14:16	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/14/25 13:44	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/14/25 13:44	1
Barium	<0.00089		0.010	0.00089	mg/L		02/14/25 06:27	02/14/25 13:44	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/14/25 13:44	1

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-261849-3

Date Collected: 02/11/25 13:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/14/25 13:44	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/14/25 13:44	1
Calcium	<0.14		0.50	0.14	mg/L		02/14/25 06:27	02/14/25 13:44	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/14/25 13:44	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/14/25 13:44	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/14/25 13:44	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/14/25 13:44	1
Lithium	**0.0048**	**J B**	0.0050	0.0020	mg/L		02/14/25 06:27	02/14/25 13:44	1
Magnesium	<0.023		0.50	0.023	mg/L		02/14/25 06:27	02/14/25 13:44	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/14/25 06:27	02/14/25 13:44	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/14/25 13:44	1
Potassium	<0.044		0.50	0.044	mg/L		02/14/25 06:27	02/14/25 13:44	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/14/25 13:44	1
Sodium	<0.20		0.50	0.20	mg/L		02/14/25 06:27	02/14/25 13:44	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/14/25 13:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 13:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 13:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 13:01	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-261849-4

Date Collected: 02/10/25 16:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.20	mg/L			02/20/25 14:49	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 14:49	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/25 14:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/14/25 13:48	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/14/25 13:48	1
Barium	**0.049**		0.010	0.00089	mg/L		02/14/25 06:27	02/14/25 13:48	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/14/25 13:48	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/14/25 13:48	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/14/25 13:48	1
Calcium	**1.4**		0.50	0.14	mg/L		02/14/25 06:27	02/14/25 13:48	1
Chromium	**0.0012**	**J**	0.0020	0.0012	mg/L		02/14/25 06:27	02/14/25 13:48	1

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-261849-4

Date Collected: 02/10/25 16:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00068**	**J**	0.0025	0.00022	mg/L		02/14/25 06:27	02/14/25 13:48	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/14/25 13:48	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/14/25 13:48	1
Lithium	**0.0091**	**B**	0.0050	0.0020	mg/L		02/14/25 06:27	02/14/25 13:48	1
Magnesium	**1.2**		0.50	0.023	mg/L		02/14/25 06:27	02/14/25 13:48	1
Manganese	**0.0086**		0.0050	0.0022	mg/L		02/14/25 06:27	02/14/25 13:48	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/14/25 13:48	1
Potassium	**1.2**		0.50	0.044	mg/L		02/14/25 06:27	02/14/25 13:48	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/14/25 13:48	1
Sodium	**3.5**		0.50	0.20	mg/L		02/14/25 06:27	02/14/25 13:48	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/14/25 13:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**8.0**		5.0	5.0	mg/L			02/17/25 21:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**8.0**		5.0	5.0	mg/L			02/17/25 21:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/17/25 21:37	1
Total Dissolved Solids (SM 2540C-2011)	**37**		10	10	mg/L			02/17/25 08:32	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-261849-5

Date Collected: 02/10/25 16:25

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.3**		1.0	0.20	mg/L			02/20/25 14:57	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 14:57	1
Sulfate	**1.1**		1.0	0.40	mg/L			02/20/25 14:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/14/25 13:38	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/14/25 13:38	1
Barium	**0.023**		0.010	0.00089	mg/L		02/14/25 06:27	02/14/25 13:38	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/14/25 13:38	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/14/25 13:38	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/14/25 13:38	1
Calcium	**16**		0.50	0.14	mg/L		02/14/25 06:27	02/14/25 13:38	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/14/25 13:38	1
Cobalt	**0.00034**	**J**	0.0025	0.00022	mg/L		02/14/25 06:27	02/14/25 13:38	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/14/25 13:38	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/14/25 13:38	1
Lithium	**0.013**	**B**	0.0050	0.0020	mg/L		02/14/25 06:27	02/14/25 13:38	1

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-261849-5

Date Collected: 02/10/25 16:25

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**5.5**		0.50	0.023	mg/L		02/14/25 06:27	02/14/25 13:38	1
Manganese	**0.032**		0.0050	0.0022	mg/L		02/14/25 06:27	02/14/25 13:38	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/14/25 13:38	1
Potassium	**2.3**		0.50	0.044	mg/L		02/14/25 06:27	02/14/25 13:38	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/14/25 13:38	1
Sodium	**9.5**		0.50	0.20	mg/L		02/14/25 06:27	02/14/25 13:38	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/14/25 13:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**80**		5.0	5.0	mg/L			02/17/25 21:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**80**		5.0	5.0	mg/L			02/17/25 21:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/17/25 21:55	1
Total Dissolved Solids (SM 2540C-2011)	**120**		10	10	mg/L			02/17/25 08:32	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-261849-6

Date Collected: 02/10/25 16:46

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.0**		1.0	0.20	mg/L			02/20/25 15:05	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 15:05	1
Sulfate	**1.1**		1.0	0.40	mg/L			02/20/25 15:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 13:49	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 13:49	1
Barium	**0.014**		0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 13:49	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 13:49	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 13:49	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 13:49	1
Calcium	**1.8**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 13:49	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 13:49	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 13:49	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 13:49	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 13:49	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 13:49	1
Magnesium	**1.0**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 13:49	1
Manganese	**0.0025**	**J**	0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 13:49	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 13:49	1
Potassium	**1.2**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 13:49	1

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-261849-6

Date Collected: 02/10/25 16:46
Matrix: Water
Date Received: 02/13/25 10:28

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 13:49	1
Sodium	**2.8**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 13:49	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 13:49	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**12**		5.0	5.0	mg/L			02/17/25 21:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**12**		5.0	5.0	mg/L			02/17/25 21:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/17/25 21:23	1
Total Dissolved Solids (SM 2540C-2011)	**34**		10	10	mg/L			02/17/25 08:32	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-261849-7

Date Collected: 02/11/25 10:05
Matrix: Water
Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.7**		1.0	0.20	mg/L			02/20/25 15:14	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 15:14	1
Sulfate	**8.1**		1.0	0.40	mg/L			02/20/25 15:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 15:10	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 15:10	1
Barium	**0.0086**	**J**	0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 15:10	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 15:10	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 15:10	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 15:10	1
Calcium	**17**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 15:10	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 15:10	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 15:10	1
Iron	**1.0**		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 15:10	1
Lead	**0.0015**		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 15:10	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 15:10	1
Magnesium	**2.5**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 15:10	1
Manganese	**0.18**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 15:10	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 15:10	1
Potassium	**2.5**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 15:10	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 15:10	1
Sodium	**7.5**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 15:10	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 15:10	1

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-261849-7

Date Collected: 02/11/25 10:05

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**61**		5.0	5.0	mg/L			02/18/25 10:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**61**		5.0	5.0	mg/L			02/18/25 10:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 10:36	1
Total Dissolved Solids (SM 2540C-2011)	**110**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.82		0.82	0.82	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-261849-8

Date Collected: 02/11/25 11:35

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.8**		1.0	0.20	mg/L			02/20/25 15:22	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 15:22	1
Sulfate	**7.9**		1.0	0.40	mg/L			02/20/25 15:22	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 15:06	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 15:06	1
Barium	**0.0091**	**J**	0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 15:06	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 15:06	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 15:06	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 15:06	1
Calcium	**27**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 15:06	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 15:06	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 15:06	1
Iron	**0.29**		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 15:06	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 15:06	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 15:06	1
Magnesium	**2.2**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 15:06	1
Manganese	**0.15**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 15:06	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 15:06	1
Potassium	**2.9**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 15:06	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 15:06	1
Sodium	**5.7**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 15:06	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 15:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:44	1

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-261849-8

Date Collected: 02/11/25 11:35

Matrix: Water

Date Received: 02/13/25 10:28

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**78**		5.0	5.0	mg/L			02/18/25 10:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**78**		5.0	5.0	mg/L			02/18/25 10:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 10:10	1
Total Dissolved Solids (SM 2540C-2011)	**120**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-261849-9

Date Collected: 02/11/25 13:20

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.4**		1.0	0.20	mg/L			02/20/25 15:30	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 15:30	1
Sulfate	**0.70**	**J**	1.0	0.40	mg/L			02/20/25 15:30	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 14:38	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 14:38	1
Barium	**0.011**		0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 14:38	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 14:38	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 14:38	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 14:38	1
Calcium	**8.7**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 14:38	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 14:38	1
Cobalt	**0.0017**	**J**	0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 14:38	1
Iron	**0.17**		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 14:38	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 14:38	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 14:38	1
Magnesium	**0.55**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 14:38	1
Manganese	**0.11**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 14:38	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 14:38	1
Potassium	**1.5**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 14:38	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 14:38	1
Sodium	**3.0**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 14:38	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 14:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**29**		5.0	5.0	mg/L			02/18/25 10:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**29**		5.0	5.0	mg/L			02/18/25 10:45	1

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-261849-9

Date Collected: 02/11/25 13:20

Matrix: Water

Date Received: 02/13/25 10:28

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 10:45	1
Total Dissolved Solids (SM 2540C-2011)	**84**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-261849-10

Date Collected: 02/11/25 11:15

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.5**		1.0	0.20	mg/L			02/20/25 15:38	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 15:38	1
Sulfate	**8.4**		1.0	0.40	mg/L			02/20/25 15:38	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/14/25 13:46	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/14/25 13:46	1
Barium	**0.014**		0.010	0.00089	mg/L		02/14/25 06:27	02/14/25 13:46	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/14/25 13:46	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/14/25 13:46	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/14/25 13:46	1
Calcium	**4.4**		0.50	0.14	mg/L		02/14/25 06:27	02/14/25 13:46	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/14/25 13:46	1
Cobalt	**0.00043**	**J**	0.0025	0.00022	mg/L		02/14/25 06:27	02/14/25 13:46	1
Iron	**0.050**		0.050	0.012	mg/L		02/14/25 06:27	02/14/25 13:46	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/14/25 13:46	1
Lithium	**0.0047**	**J B**	0.0050	0.0020	mg/L		02/14/25 06:27	02/14/25 13:46	1
Magnesium	**1.5**		0.50	0.023	mg/L		02/14/25 06:27	02/14/25 13:46	1
Manganese	**0.068**		0.0050	0.0022	mg/L		02/14/25 06:27	02/14/25 13:46	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/14/25 13:46	1
Potassium	**2.3**		0.50	0.044	mg/L		02/14/25 06:27	02/14/25 13:46	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/14/25 13:46	1
Sodium	**4.8**		0.50	0.20	mg/L		02/14/25 06:27	02/14/25 13:46	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/14/25 13:46	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**16**		5.0	5.0	mg/L			02/18/25 10:27	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**16**		5.0	5.0	mg/L			02/18/25 10:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 10:27	1
Total Dissolved Solids (SM 2540C-2011)	**46**		10	10	mg/L			02/18/25 07:09	1

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-261849-10

Date Collected: 02/11/25 11:15

Matrix: Water

Date Received: 02/13/25 10:28

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-261849-11

Date Collected: 02/11/25 14:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		10	2.0	mg/L			02/20/25 15:46	10
Fluoride	<0.40		1.0	0.40	mg/L			02/20/25 15:46	10
Sulfate	**280**		10	4.0	mg/L			02/20/25 15:46	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 14:42	1
Arsenic	**0.0012**		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 14:42	1
Barium	**0.0015**	J	0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 14:42	1
Beryllium	**0.0027**		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 14:42	1
Boron	**3.6**		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 14:42	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 14:42	1
Calcium	**99**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 14:42	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 14:42	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 14:42	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 14:42	1
Lead	**0.00023**	J	0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 14:42	1
Lithium	**0.011**		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 14:42	1
Magnesium	**27**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 14:42	1
Manganese	**0.0076**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 14:42	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 14:42	1
Potassium	**9.2**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 14:42	1
Selenium	**0.0048**	J	0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 14:42	1
Sodium	**40**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 14:42	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 14:42	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**6.5**		5.0	5.0	mg/L			02/18/25 13:20	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**6.5**		5.0	5.0	mg/L			02/18/25 13:20	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 13:20	1
Total Dissolved Solids (SM 2540C-2011)	**630**		40	40	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-261849-12

Date Collected: 02/11/25 16:06

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.0**		1.0	0.20	mg/L			02/20/25 18:11	1
Fluoride	**0.40**		0.10	0.040	mg/L			02/20/25 18:11	1
Sulfate	**26**		1.0	0.40	mg/L			02/20/25 18:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.0079**		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 14:25	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 14:25	1
Barium	**0.0018**	**J**	0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 14:25	1
Beryllium	**0.00035**	**J**	0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 14:25	1
Boron	**0.58**		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 14:25	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 14:25	1
Calcium	**9.6**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 14:25	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 14:25	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 14:25	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 14:25	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 14:25	1
Lithium	**0.029**		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 14:25	1
Magnesium	**2.6**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 14:25	1
Manganese	**0.023**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 14:25	1
Molybdenum	**0.0033**	**J**	0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 14:25	1
Potassium	**1.4**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 14:25	1
Selenium	**0.0029**	**J**	0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 14:25	1
Sodium	**24**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 14:25	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 14:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**15**		5.0	5.0	mg/L			02/18/25 10:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**15**		5.0	5.0	mg/L			02/18/25 10:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 10:53	1
Total Dissolved Solids (SM 2540C-2011)	**140**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-261849-13

Date Collected: 02/11/25 16:08

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.45**	**J**	1.0	0.20	mg/L			02/20/25 18:19	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 18:19	1
Sulfate	**0.41**	**J**	1.0	0.40	mg/L			02/20/25 18:19	1

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-261849-13

Date Collected: 02/11/25 16:08

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 14:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 14:29	1
Barium	**0.053**		0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 14:29	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 14:29	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 14:29	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 14:29	1
Calcium	**1.7**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 14:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 14:29	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 14:29	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 14:29	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 14:29	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 14:29	1
Magnesium	**1.4**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 14:29	1
Manganese	**0.0077**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 14:29	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 14:29	1
Potassium	**1.2**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 14:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 14:29	1
Sodium	**3.6**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 14:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 14:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**9.7**		5.0	5.0	mg/L			02/18/25 13:14	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**9.7**		5.0	5.0	mg/L			02/18/25 13:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 13:14	1
Total Dissolved Solids (SM 2540C-2011)	**35**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/14/25 11:48	1

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-261849-14

Date Collected: 02/11/25 14:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.20	mg/L			02/20/25 17:46	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 17:46	1
Sulfate	**13**		1.0	0.40	mg/L			02/20/25 17:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 14:21	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 14:21	1
Barium	**0.018**		0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 14:21	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 14:21	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Client Sample ID: WAN-WGWC-12

Date Collected: 02/11/25 14:50
Date Received: 02/13/25 10:28

Lab Sample ID: 680-261849-14

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 14:21	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 14:21	1
Calcium	**14**		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 14:21	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 14:21	1
Cobalt	**0.00033**	**J**	0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 14:21	1
Iron	**2.1**		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 14:21	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 14:21	1
Lithium	**0.0032**	**J**	0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 14:21	1
Magnesium	**3.0**		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 14:21	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 14:21	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 14:21	1
Potassium	**2.0**		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 14:21	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 14:21	1
Sodium	**5.9**		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 14:21	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 14:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**44**		5.0	5.0	mg/L			02/18/25 10:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**44**		5.0	5.0	mg/L			02/18/25 10:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 10:19	1
Total Dissolved Solids (SM 2540C-2011)	**96**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/14/25 11:49	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-876438/2
Matrix: Water
Analysis Batch: 876438

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/20/25 10:04	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 10:04	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/25 10:04	1

Lab Sample ID: LCS 680-876438/3
Matrix: Water
Analysis Batch: 876438

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	11.0		mg/L		110	90 - 110
Fluoride	2.00	2.19		mg/L		109	90 - 110
Sulfate	10.0	10.8		mg/L		108	90 - 110

Lab Sample ID: LCSD 680-876438/4
Matrix: Water
Analysis Batch: 876438

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	11.0		mg/L		110	90 - 110	0	15
Fluoride	2.00	2.16		mg/L		108	90 - 110	1	15
Sulfate	10.0	11.0		mg/L		110	90 - 110	1	15

Lab Sample ID: 680-261849-3 MS
Matrix: Water
Analysis Batch: 876438

Client Sample ID: WAN-AP1-FB-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.20		10.0	10.7		mg/L		107	80 - 120
Fluoride	<0.040		2.00	2.03		mg/L		101	80 - 120
Sulfate	<0.40		10.0	10.6		mg/L		106	80 - 120

Lab Sample ID: 680-261849-3 MSD
Matrix: Water
Analysis Batch: 876438

Client Sample ID: WAN-AP1-FB-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.20		10.0	10.4		mg/L		104	80 - 120	3	15
Fluoride	<0.040		2.00	2.00		mg/L		100	80 - 120	1	15
Sulfate	<0.40		10.0	10.3		mg/L		103	80 - 120	3	15

Lab Sample ID: MB 680-876527/2
Matrix: Water
Analysis Batch: 876527

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/20/25 10:04	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/25 10:04	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/25 10:04	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-876527/34
Matrix: Water
Analysis Batch: 876527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.24		mg/L		92	90 - 110		
Fluoride			2.00	1.80		mg/L		90	90 - 110		
Sulfate			10.0	9.77		mg/L		98	90 - 110		

Lab Sample ID: LCSD 680-876527/35
Matrix: Water
Analysis Batch: 876527

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.69		mg/L		97	90 - 110	5	15
Fluoride			2.00	1.89		mg/L		94	90 - 110	5	15
Sulfate			10.0	10.2		mg/L		102	90 - 110	4	15

Lab Sample ID: 680-261849-14 MS
Matrix: Water
Analysis Batch: 876527

Client Sample ID: WAN-WGWC-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3.7		10.0	14.2		mg/L		104	80 - 120		
Fluoride	<0.040		2.00	2.10		mg/L		105	80 - 120		
Sulfate	13		10.0	24.1		mg/L		115	80 - 120		

Lab Sample ID: 680-261849-14 MSD
Matrix: Water
Analysis Batch: 876527

Client Sample ID: WAN-WGWC-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.7		10.0	14.1		mg/L		104	80 - 120	0	15
Fluoride	<0.040		2.00	2.12		mg/L		106	80 - 120	1	15
Sulfate	13		10.0	24.1		mg/L		115	80 - 120	0	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-875722/1-A
Matrix: Water
Analysis Batch: 876144

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/17/25 13:28	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/17/25 13:28	1
Barium	<0.00089		0.010	0.00089	mg/L		02/14/25 06:27	02/17/25 13:28	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/17/25 13:28	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/17/25 13:28	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/17/25 13:28	1
Calcium	<0.14		0.50	0.14	mg/L		02/14/25 06:27	02/17/25 13:28	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/17/25 13:28	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/17/25 13:28	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/17/25 13:28	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/17/25 13:28	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/14/25 06:27	02/17/25 13:28	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-875722/1-A
Matrix: Water
Analysis Batch: 876144

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.023		0.50	0.023	mg/L		02/14/25 06:27	02/17/25 13:28	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/14/25 06:27	02/17/25 13:28	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/17/25 13:28	1
Potassium	<0.044		0.50	0.044	mg/L		02/14/25 06:27	02/17/25 13:28	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/17/25 13:28	1
Sodium	<0.20		0.50	0.20	mg/L		02/14/25 06:27	02/17/25 13:28	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/17/25 13:28	1

Lab Sample ID: LCS 680-875722/2-A
Matrix: Water
Analysis Batch: 876144

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0483		mg/L		97	80 - 120
Arsenic	0.100	0.0996		mg/L		100	80 - 120
Barium	0.100	0.0968		mg/L		97	80 - 120
Beryllium	0.0500	0.0474		mg/L		95	80 - 120
Boron	0.400	0.399		mg/L		100	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Calcium	5.00	4.98		mg/L		100	80 - 120
Chromium	0.100	0.102		mg/L		102	80 - 120
Cobalt	0.0500	0.0517		mg/L		103	80 - 120
Iron	5.00	5.35		mg/L		107	80 - 120
Lead	0.500	0.520		mg/L		104	80 - 120
Lithium	0.500	0.489		mg/L		98	80 - 120
Magnesium	5.00	4.82		mg/L		96	80 - 120
Manganese	0.400	0.399		mg/L		100	80 - 120
Molybdenum	0.100	0.105		mg/L		105	80 - 120
Potassium	7.00	6.29		mg/L		90	80 - 120
Selenium	0.100	0.108		mg/L		108	80 - 120
Sodium	5.00	4.80		mg/L		96	80 - 120
Thallium	0.0500	0.0475		mg/L		95	80 - 120

Lab Sample ID: 680-261849-1 MS
Matrix: Water
Analysis Batch: 876144

Client Sample ID: WAN-WGWC-17
Prep Type: Total Recoverable
Prep Batch: 875722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0491		mg/L		98	75 - 125
Arsenic	<0.00086		0.100	0.100		mg/L		100	75 - 125
Barium	0.012		0.100	0.109		mg/L		98	75 - 125
Beryllium	<0.00020		0.0500	0.0477		mg/L		95	75 - 125
Boron	<0.022		0.400	0.399		mg/L		100	75 - 125
Cadmium	<0.000078		0.0500	0.0509		mg/L		102	75 - 125
Calcium	5.8		5.00	10.7		mg/L		97	75 - 125
Chromium	<0.0012		0.100	0.103		mg/L		103	75 - 125
Cobalt	<0.00022		0.0500	0.0517		mg/L		103	75 - 125
Iron	0.088		5.00	5.38		mg/L		106	75 - 125
Lead	<0.00021		0.500	0.520		mg/L		104	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-261849-1 MS
Matrix: Water
Analysis Batch: 876144

Client Sample ID: WAN-WGWC-17
Prep Type: Total Recoverable
Prep Batch: 875722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.0034	J	0.500	0.487		mg/L		97	75 - 125
Magnesium	3.4		5.00	8.11		mg/L		95	75 - 125
Manganese	0.0095		0.400	0.406		mg/L		99	75 - 125
Molybdenum	0.0023	J	0.100	0.107		mg/L		105	75 - 125
Potassium	1.4		7.00	7.65		mg/L		89	75 - 125
Selenium	<0.00099		0.100	0.108		mg/L		108	75 - 125
Sodium	8.8		5.00	13.5		mg/L		94	75 - 125
Thallium	<0.00026		0.0500	0.0481		mg/L		96	75 - 125

Lab Sample ID: 680-261849-1 MSD
Matrix: Water
Analysis Batch: 876144

Client Sample ID: WAN-WGWC-17
Prep Type: Total Recoverable
Prep Batch: 875722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0499		mg/L		100	75 - 125	2	20
Arsenic	<0.00086		0.100	0.0997		mg/L		100	75 - 125	0	20
Barium	0.012		0.100	0.110		mg/L		98	75 - 125	1	20
Beryllium	<0.00020		0.0500	0.0480		mg/L		96	75 - 125	1	20
Boron	<0.022		0.400	0.415		mg/L		104	75 - 125	4	20
Cadmium	<0.000078		0.0500	0.0502		mg/L		100	75 - 125	1	20
Calcium	5.8		5.00	10.6		mg/L		96	75 - 125	1	20
Chromium	<0.0012		0.100	0.103		mg/L		103	75 - 125	0	20
Cobalt	<0.00022		0.0500	0.0523		mg/L		105	75 - 125	1	20
Iron	0.088		5.00	5.44		mg/L		107	75 - 125	1	20
Lead	<0.00021		0.500	0.527		mg/L		105	75 - 125	1	20
Lithium	0.0034	J	0.500	0.495		mg/L		98	75 - 125	1	20
Magnesium	3.4		5.00	8.11		mg/L		95	75 - 125	0	20
Manganese	0.0095		0.400	0.406		mg/L		99	75 - 125	0	20
Molybdenum	0.0023	J	0.100	0.108		mg/L		106	75 - 125	1	20
Potassium	1.4		7.00	7.70		mg/L		89	75 - 125	1	20
Selenium	<0.00099		0.100	0.109		mg/L		109	75 - 125	1	20
Sodium	8.8		5.00	13.7		mg/L		98	75 - 125	2	20
Thallium	<0.00026		0.0500	0.0488		mg/L		98	75 - 125	2	20

Lab Sample ID: MB 680-875725/1-A
Matrix: Water
Analysis Batch: 875953

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/14/25 06:27	02/14/25 13:34	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/14/25 06:27	02/14/25 13:34	1
Barium	<0.00089		0.010	0.00089	mg/L		02/14/25 06:27	02/14/25 13:34	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/14/25 06:27	02/14/25 13:34	1
Boron	<0.022		0.080	0.022	mg/L		02/14/25 06:27	02/14/25 13:34	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/14/25 06:27	02/14/25 13:34	1
Calcium	<0.14		0.50	0.14	mg/L		02/14/25 06:27	02/14/25 13:34	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/14/25 06:27	02/14/25 13:34	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/14/25 06:27	02/14/25 13:34	1
Iron	<0.012		0.050	0.012	mg/L		02/14/25 06:27	02/14/25 13:34	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-875725/1-A
Matrix: Water
Analysis Batch: 875953

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00021		0.0010	0.00021	mg/L		02/14/25 06:27	02/14/25 13:34	1
Lithium	0.00358	J	0.0050	0.0020	mg/L		02/14/25 06:27	02/14/25 13:34	1
Magnesium	<0.023		0.50	0.023	mg/L		02/14/25 06:27	02/14/25 13:34	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/14/25 06:27	02/14/25 13:34	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/14/25 06:27	02/14/25 13:34	1
Potassium	<0.044		0.50	0.044	mg/L		02/14/25 06:27	02/14/25 13:34	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/14/25 06:27	02/14/25 13:34	1
Sodium	<0.20		0.50	0.20	mg/L		02/14/25 06:27	02/14/25 13:34	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/14/25 06:27	02/14/25 13:34	1

Lab Sample ID: LCS 680-875725/2-A
Matrix: Water
Analysis Batch: 875953

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0524		mg/L		105	80 - 120
Arsenic	0.100	0.107		mg/L		107	80 - 120
Barium	0.100	0.109		mg/L		109	80 - 120
Beryllium	0.0500	0.0528		mg/L		106	80 - 120
Boron	0.400	0.439		mg/L		110	80 - 120
Cadmium	0.0500	0.0552		mg/L		110	80 - 120
Calcium	5.00	5.41		mg/L		108	80 - 120
Chromium	0.100	0.119		mg/L		119	80 - 120
Cobalt	0.0500	0.0541		mg/L		108	80 - 120
Iron	5.00	5.49		mg/L		110	80 - 120
Lead	0.500	0.534		mg/L		107	80 - 120
Lithium	0.500	0.568		mg/L		114	80 - 120
Magnesium	5.00	5.61		mg/L		112	80 - 120
Manganese	0.400	0.439		mg/L		110	80 - 120
Molybdenum	0.100	0.108		mg/L		108	80 - 120
Potassium	7.00	7.66		mg/L		109	80 - 120
Selenium	0.100	0.110		mg/L		110	80 - 120
Sodium	5.00	5.68		mg/L		114	80 - 120
Thallium	0.0500	0.0539		mg/L		108	80 - 120

Lab Sample ID: 680-261849-5 MS
Matrix: Water
Analysis Batch: 875953

Client Sample ID: WAN-WGWA-2
Prep Type: Total Recoverable
Prep Batch: 875725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0502		mg/L		100	75 - 125
Arsenic	<0.00086		0.100	0.105		mg/L		105	75 - 125
Barium	0.023		0.100	0.128		mg/L		104	75 - 125
Beryllium	<0.00020		0.0500	0.0520		mg/L		104	75 - 125
Boron	<0.022		0.400	0.452		mg/L		113	75 - 125
Cadmium	<0.000078		0.0500	0.0540		mg/L		108	75 - 125
Calcium	16		5.00	21.6		mg/L		113	75 - 125
Chromium	<0.0012		0.100	0.110		mg/L		110	75 - 125
Cobalt	0.00034	J	0.0500	0.0519		mg/L		103	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-261849-5 MS
Matrix: Water
Analysis Batch: 875953

Client Sample ID: WAN-WGWA-2
Prep Type: Total Recoverable
Prep Batch: 875725

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	<0.012		5.00	5.41		mg/L		108	75 - 125
Lead	<0.00021		0.500	0.516		mg/L		103	75 - 125
Lithium	0.013	B	0.500	0.570		mg/L		111	75 - 125
Magnesium	5.5		5.00	11.1		mg/L		111	75 - 125
Manganese	0.032		0.400	0.455		mg/L		106	75 - 125
Molybdenum	<0.00086		0.100	0.105		mg/L		105	75 - 125
Potassium	2.3		7.00	10.1		mg/L		111	75 - 125
Selenium	<0.00099		0.100	0.101		mg/L		101	75 - 125
Sodium	9.5		5.00	14.7		mg/L		104	75 - 125
Thallium	<0.00026		0.0500	0.0525		mg/L		105	75 - 125

Lab Sample ID: 680-261849-5 MSD
Matrix: Water
Analysis Batch: 875953

Client Sample ID: WAN-WGWA-2
Prep Type: Total Recoverable
Prep Batch: 875725

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0505		mg/L		101	75 - 125	1	20
Arsenic	<0.00086		0.100	0.105		mg/L		105	75 - 125	0	20
Barium	0.023		0.100	0.127		mg/L		104	75 - 125	0	20
Beryllium	<0.00020		0.0500	0.0535		mg/L		107	75 - 125	3	20
Boron	<0.022		0.400	0.456		mg/L		114	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0541		mg/L		108	75 - 125	0	20
Calcium	16		5.00	21.3		mg/L		105	75 - 125	2	20
Chromium	<0.0012		0.100	0.108		mg/L		108	75 - 125	1	20
Cobalt	0.00034	J	0.0500	0.0522		mg/L		104	75 - 125	1	20
Iron	<0.012		5.00	5.32		mg/L		106	75 - 125	2	20
Lead	<0.00021		0.500	0.520		mg/L		104	75 - 125	1	20
Lithium	0.013	B	0.500	0.564		mg/L		110	75 - 125	1	20
Magnesium	5.5		5.00	10.9		mg/L		108	75 - 125	1	20
Manganese	0.032		0.400	0.454		mg/L		106	75 - 125	0	20
Molybdenum	<0.00086		0.100	0.105		mg/L		105	75 - 125	0	20
Potassium	2.3		7.00	9.93		mg/L		108	75 - 125	2	20
Selenium	<0.00099		0.100	0.102		mg/L		102	75 - 125	1	20
Sodium	9.5		5.00	14.4		mg/L		99	75 - 125	2	20
Thallium	<0.00026		0.0500	0.0528		mg/L		106	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-876611/1-A
Matrix: Water
Analysis Batch: 876741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 10:54	02/23/25 16:11	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 680-876611/2-A
Matrix: Water
Analysis Batch: 876741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876611

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00257		mg/L		103	80 - 120		

Lab Sample ID: 680-261849-3 MS
Matrix: Water
Analysis Batch: 876741

Client Sample ID: WAN-AP1-FB-07
Prep Type: Total/NA
Prep Batch: 876611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080		0.00100	0.000991		mg/L		99	80 - 120		

Lab Sample ID: 680-261849-3 MSD
Matrix: Water
Analysis Batch: 876741

Client Sample ID: WAN-AP1-FB-07
Prep Type: Total/NA
Prep Batch: 876611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00102		mg/L		102	80 - 120	3	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-876080/4
Matrix: Water
Analysis Batch: 876080

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/25 20:57	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/25 20:57	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/17/25 20:57	1

Lab Sample ID: LCS 680-876080/6
Matrix: Water
Analysis Batch: 876080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	246		mg/L		98	90 - 112		

Lab Sample ID: LCSD 680-876080/31
Matrix: Water
Analysis Batch: 876080

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	255		mg/L		102	90 - 112	4	30

Lab Sample ID: 680-261849-6 DU
Matrix: Water
Analysis Batch: 876080

Client Sample ID: WAN-WGWA-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	12			12.0		mg/L				2	30
Bicarbonate Alkalinity as CaCO3	12			12.0		mg/L				2	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: MB 680-876304/4
Matrix: Water
Analysis Batch: 876304

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 07:09	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 07:09	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 07:09	1

Lab Sample ID: LCS 680-876304/6
Matrix: Water
Analysis Batch: 876304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	249		mg/L		100	90 - 112		

Lab Sample ID: LCSD 680-876304/31
Matrix: Water
Analysis Batch: 876304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	247		mg/L		99	90 - 112	1	30

Lab Sample ID: 680-261777-F-11 DU
Matrix: Water
Analysis Batch: 876304

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	40			16.1	F3	mg/L				85	30
Bicarbonate Alkalinity as CaCO3	40			16.1	F3	mg/L				85	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Lab Sample ID: MB 680-876307/4
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1

Lab Sample ID: LCS 680-876307/6
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	247		mg/L		99	90 - 112		

Lab Sample ID: LCSD 680-876307/31
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	248		mg/L		99	90 - 112	0	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: 680-261849-3 DU
Matrix: Water
Analysis Batch: 876307

Client Sample ID: WAN-AP1-FB-07
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30
Bicarbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-875918/1
Matrix: Water
Analysis Batch: 875918

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/17/25 08:32	1

Lab Sample ID: LCS 680-875918/2
Matrix: Water
Analysis Batch: 875918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2450		mg/L		101	80 - 120		

Lab Sample ID: LCSD 680-875918/3
Matrix: Water
Analysis Batch: 875918

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2380		mg/L		97	80 - 120	3	25

Lab Sample ID: 680-261777-E-17 DU
Matrix: Water
Analysis Batch: 875918

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	510			524		mg/L				2	5

Lab Sample ID: MB 680-876097/1
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/18/25 07:09	1

Lab Sample ID: LCS 680-876097/2
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2420		mg/L		99	80 - 120		

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCSD 680-876097/3
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2400		mg/L		98	80 - 120	1	25

Lab Sample ID: 680-261849-11 DU
Matrix: Water
Analysis Batch: 876097

Client Sample ID: WAN-WGWC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	630			632		mg/L				0.3	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-875805/1
Matrix: Water
Analysis Batch: 875805

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			02/14/25 11:48	1

Lab Sample ID: LCS 680-875805/2
Matrix: Water
Analysis Batch: 875805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			10.0	8.80		mg/L		88	75 - 125		

Lab Sample ID: LCSD 680-875805/3
Matrix: Water
Analysis Batch: 875805

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	9.24		mg/L		92	75 - 125	5	30

Lab Sample ID: 680-261849-2 MS
Matrix: Water
Analysis Batch: 875805

Client Sample ID: WAN-AP1-FD-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.83		6.94	6.55		mg/L		94	75 - 125		

Lab Sample ID: 680-261849-2 MSD
Matrix: Water
Analysis Batch: 875805

Client Sample ID: WAN-AP1-FD-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.83		6.94	6.55		mg/L		94	75 - 125	0	30

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: 680-261849-1 DU
Matrix: Water
Analysis Batch: 875805

Client Sample ID: WAN-WGWC-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	<0.83			<0.82		mg/L				NC	30

HPLC/IC

Analysis Batch: 876438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	300.0-1993 R2.1	
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	300.0-1993 R2.1	
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	300.0-1993 R2.1	
680-261849-4	WAN-WGWA-1	Total/NA	Water	300.0-1993 R2.1	
680-261849-5	WAN-WGWA-2	Total/NA	Water	300.0-1993 R2.1	
680-261849-6	WAN-WGWA-3	Total/NA	Water	300.0-1993 R2.1	
680-261849-7	WAN-WGWA-4	Total/NA	Water	300.0-1993 R2.1	
680-261849-8	WAN-WGWA-6	Total/NA	Water	300.0-1993 R2.1	
680-261849-9	WAN-WGWA-7	Total/NA	Water	300.0-1993 R2.1	
680-261849-10	WAN-WGWA-18	Total/NA	Water	300.0-1993 R2.1	
680-261849-11	WAN-WGWC-8	Total/NA	Water	300.0-1993 R2.1	
MB 680-876438/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876438/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876438/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261849-3 MS	WAN-AP1-FB-07	Total/NA	Water	300.0-1993 R2.1	
680-261849-3 MSD	WAN-AP1-FB-07	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 876527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-12	WAN-WGWC-9	Total/NA	Water	300.0-1993 R2.1	
680-261849-13	WAN-WGWC-11	Total/NA	Water	300.0-1993 R2.1	
680-261849-14	WAN-WGWC-12	Total/NA	Water	300.0-1993 R2.1	
MB 680-876527/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876527/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876527/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261849-14 MS	WAN-WGWC-12	Total/NA	Water	300.0-1993 R2.1	
680-261849-14 MSD	WAN-WGWC-12	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 875722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total Recoverable	Water	3005A	
680-261849-6	WAN-WGWA-3	Total Recoverable	Water	3005A	
680-261849-7	WAN-WGWA-4	Total Recoverable	Water	3005A	
680-261849-8	WAN-WGWA-6	Total Recoverable	Water	3005A	
680-261849-9	WAN-WGWA-7	Total Recoverable	Water	3005A	
680-261849-11	WAN-WGWC-8	Total Recoverable	Water	3005A	
680-261849-12	WAN-WGWC-9	Total Recoverable	Water	3005A	
680-261849-13	WAN-WGWC-11	Total Recoverable	Water	3005A	
680-261849-14	WAN-WGWC-12	Total Recoverable	Water	3005A	
MB 680-875722/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-875722/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-261849-1 MS	WAN-WGWC-17	Total Recoverable	Water	3005A	
680-261849-1 MSD	WAN-WGWC-17	Total Recoverable	Water	3005A	

Prep Batch: 875725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-2	WAN-AP1-FD-01	Total Recoverable	Water	3005A	
680-261849-3	WAN-AP1-FB-07	Total Recoverable	Water	3005A	
680-261849-4	WAN-WGWA-1	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 875725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-5	WAN-WGWA-2	Total Recoverable	Water	3005A	
680-261849-10	WAN-WGWA-18	Total Recoverable	Water	3005A	
MB 680-875725/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-875725/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-261849-5 MS	WAN-WGWA-2	Total Recoverable	Water	3005A	
680-261849-5 MSD	WAN-WGWA-2	Total Recoverable	Water	3005A	

Analysis Batch: 875953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-2	WAN-AP1-FD-01	Total Recoverable	Water	6020B	875725
680-261849-3	WAN-AP1-FB-07	Total Recoverable	Water	6020B	875725
680-261849-4	WAN-WGWA-1	Total Recoverable	Water	6020B	875725
680-261849-5	WAN-WGWA-2	Total Recoverable	Water	6020B	875725
680-261849-10	WAN-WGWA-18	Total Recoverable	Water	6020B	875725
MB 680-875725/1-A	Method Blank	Total Recoverable	Water	6020B	875725
LCS 680-875725/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875725
680-261849-5 MS	WAN-WGWA-2	Total Recoverable	Water	6020B	875725
680-261849-5 MSD	WAN-WGWA-2	Total Recoverable	Water	6020B	875725

Analysis Batch: 876144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total Recoverable	Water	6020B	875722
680-261849-6	WAN-WGWA-3	Total Recoverable	Water	6020B	875722
680-261849-7	WAN-WGWA-4	Total Recoverable	Water	6020B	875722
680-261849-8	WAN-WGWA-6	Total Recoverable	Water	6020B	875722
680-261849-9	WAN-WGWA-7	Total Recoverable	Water	6020B	875722
680-261849-11	WAN-WGWC-8	Total Recoverable	Water	6020B	875722
680-261849-12	WAN-WGWC-9	Total Recoverable	Water	6020B	875722
680-261849-13	WAN-WGWC-11	Total Recoverable	Water	6020B	875722
680-261849-14	WAN-WGWC-12	Total Recoverable	Water	6020B	875722
MB 680-875722/1-A	Method Blank	Total Recoverable	Water	6020B	875722
LCS 680-875722/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875722
680-261849-1 MS	WAN-WGWC-17	Total Recoverable	Water	6020B	875722
680-261849-1 MSD	WAN-WGWC-17	Total Recoverable	Water	6020B	875722

Prep Batch: 876611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	7470A	
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	7470A	
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	7470A	
680-261849-4	WAN-WGWA-1	Total/NA	Water	7470A	
680-261849-5	WAN-WGWA-2	Total/NA	Water	7470A	
680-261849-6	WAN-WGWA-3	Total/NA	Water	7470A	
680-261849-7	WAN-WGWA-4	Total/NA	Water	7470A	
680-261849-8	WAN-WGWA-6	Total/NA	Water	7470A	
680-261849-9	WAN-WGWA-7	Total/NA	Water	7470A	
680-261849-10	WAN-WGWA-18	Total/NA	Water	7470A	
680-261849-11	WAN-WGWC-8	Total/NA	Water	7470A	
680-261849-12	WAN-WGWC-9	Total/NA	Water	7470A	
680-261849-13	WAN-WGWC-11	Total/NA	Water	7470A	
680-261849-14	WAN-WGWC-12	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 876611 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-876611/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876611/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261849-3 MS	WAN-AP1-FB-07	Total/NA	Water	7470A	
680-261849-3 MSD	WAN-AP1-FB-07	Total/NA	Water	7470A	

Analysis Batch: 876741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	7470A	876611
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	7470A	876611
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	7470A	876611
680-261849-4	WAN-WGWA-1	Total/NA	Water	7470A	876611
680-261849-5	WAN-WGWA-2	Total/NA	Water	7470A	876611
680-261849-6	WAN-WGWA-3	Total/NA	Water	7470A	876611
680-261849-7	WAN-WGWA-4	Total/NA	Water	7470A	876611
680-261849-8	WAN-WGWA-6	Total/NA	Water	7470A	876611
680-261849-9	WAN-WGWA-7	Total/NA	Water	7470A	876611
680-261849-10	WAN-WGWA-18	Total/NA	Water	7470A	876611
680-261849-11	WAN-WGWC-8	Total/NA	Water	7470A	876611
680-261849-12	WAN-WGWC-9	Total/NA	Water	7470A	876611
680-261849-13	WAN-WGWC-11	Total/NA	Water	7470A	876611
680-261849-14	WAN-WGWC-12	Total/NA	Water	7470A	876611
MB 680-876611/1-A	Method Blank	Total/NA	Water	7470A	876611
LCS 680-876611/2-A	Lab Control Sample	Total/NA	Water	7470A	876611
680-261849-3 MS	WAN-AP1-FB-07	Total/NA	Water	7470A	876611
680-261849-3 MSD	WAN-AP1-FB-07	Total/NA	Water	7470A	876611

General Chemistry

Analysis Batch: 875805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	4500 S2 F-2011	
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	4500 S2 F-2011	
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	4500 S2 F-2011	
680-261849-4	WAN-WGWA-1	Total/NA	Water	4500 S2 F-2011	
680-261849-5	WAN-WGWA-2	Total/NA	Water	4500 S2 F-2011	
680-261849-6	WAN-WGWA-3	Total/NA	Water	4500 S2 F-2011	
680-261849-7	WAN-WGWA-4	Total/NA	Water	4500 S2 F-2011	
680-261849-8	WAN-WGWA-6	Total/NA	Water	4500 S2 F-2011	
680-261849-9	WAN-WGWA-7	Total/NA	Water	4500 S2 F-2011	
680-261849-10	WAN-WGWA-18	Total/NA	Water	4500 S2 F-2011	
680-261849-11	WAN-WGWC-8	Total/NA	Water	4500 S2 F-2011	
680-261849-12	WAN-WGWC-9	Total/NA	Water	4500 S2 F-2011	
680-261849-13	WAN-WGWC-11	Total/NA	Water	4500 S2 F-2011	
680-261849-14	WAN-WGWC-12	Total/NA	Water	4500 S2 F-2011	
MB 680-875805/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-875805/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-875805/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-261849-2 MS	WAN-AP1-FD-01	Total/NA	Water	4500 S2 F-2011	
680-261849-2 MSD	WAN-AP1-FD-01	Total/NA	Water	4500 S2 F-2011	
680-261849-1 DU	WAN-WGWC-17	Total/NA	Water	4500 S2 F-2011	

General Chemistry

Analysis Batch: 875918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	2540C-2011	
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	2540C-2011	
680-261849-4	WAN-WGWA-1	Total/NA	Water	2540C-2011	
680-261849-5	WAN-WGWA-2	Total/NA	Water	2540C-2011	
680-261849-6	WAN-WGWA-3	Total/NA	Water	2540C-2011	
MB 680-875918/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-875918/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-875918/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261777-E-17 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 876080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	2320B-2011	
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	2320B-2011	
680-261849-4	WAN-WGWA-1	Total/NA	Water	2320B-2011	
680-261849-5	WAN-WGWA-2	Total/NA	Water	2320B-2011	
680-261849-6	WAN-WGWA-3	Total/NA	Water	2320B-2011	
MB 680-876080/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876080/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876080/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261849-6 DU	WAN-WGWA-3	Total/NA	Water	2320B-2011	

Analysis Batch: 876097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	2540C-2011	
680-261849-7	WAN-WGWA-4	Total/NA	Water	2540C-2011	
680-261849-8	WAN-WGWA-6	Total/NA	Water	2540C-2011	
680-261849-9	WAN-WGWA-7	Total/NA	Water	2540C-2011	
680-261849-10	WAN-WGWA-18	Total/NA	Water	2540C-2011	
680-261849-11	WAN-WGWC-8	Total/NA	Water	2540C-2011	
680-261849-12	WAN-WGWC-9	Total/NA	Water	2540C-2011	
680-261849-13	WAN-WGWC-11	Total/NA	Water	2540C-2011	
680-261849-14	WAN-WGWC-12	Total/NA	Water	2540C-2011	
MB 680-876097/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876097/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876097/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261849-11 DU	WAN-WGWC-8	Total/NA	Water	2540C-2011	

Analysis Batch: 876304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-7	WAN-WGWA-4	Total/NA	Water	2320B-2011	
680-261849-8	WAN-WGWA-6	Total/NA	Water	2320B-2011	
680-261849-9	WAN-WGWA-7	Total/NA	Water	2320B-2011	
680-261849-10	WAN-WGWA-18	Total/NA	Water	2320B-2011	
680-261849-12	WAN-WGWC-9	Total/NA	Water	2320B-2011	
680-261849-14	WAN-WGWC-12	Total/NA	Water	2320B-2011	
MB 680-876304/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876304/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876304/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261777-F-11 DU	Duplicate	Total/NA	Water	2320B-2011	

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

General Chemistry

Analysis Batch: 876307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	2320B-2011	
680-261849-11	WAN-WGWC-8	Total/NA	Water	2320B-2011	
680-261849-13	WAN-WGWC-11	Total/NA	Water	2320B-2011	
MB 680-876307/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876307/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876307/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261849-3 DU	WAN-AP1-FB-07	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-261849-1

Date Collected: 02/11/25 13:27

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 13:43	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 13:37	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:29	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876080	02/18/25 00:57	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	875918	02/17/25 08:32	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-261849-2

Date Collected: 02/11/25 00:00

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		2	2 mL	2 mL	876438	02/20/25 14:41	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875725	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			875953	02/14/25 13:50	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:55	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876080	02/17/25 21:46	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	875918	02/17/25 08:32	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-261849-3

Date Collected: 02/11/25 13:50

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 14:16	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875725	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			875953	02/14/25 13:44	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-261849-3

Date Collected: 02/11/25 13:50
Date Received: 02/13/25 10:28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:15	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 13:01	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-261849-4

Date Collected: 02/10/25 16:50
Date Received: 02/13/25 10:28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 14:49	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875725	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			875953	02/14/25 13:48	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:53	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876080	02/17/25 21:37	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	875918	02/17/25 08:32	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-261849-5

Date Collected: 02/10/25 16:25
Date Received: 02/13/25 10:28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 14:57	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875725	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			875953	02/14/25 13:38	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 17:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876080	02/17/25 21:55	PG	EET SAV
	Instrument ID: MANTECH 2									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-261849-5
Date Collected: 02/10/25 16:25
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	875918	02/17/25 08:32	PG	EET SAV
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-261849-6
Date Collected: 02/10/25 16:46
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 15:05	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 13:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:48	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876080	02/17/25 21:23	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	875918	02/17/25 08:32	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-261849-7
Date Collected: 02/11/25 10:05
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 15:14	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 15:10	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:27	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876304	02/18/25 10:36	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	305 mL	305 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-261849-8

Date Collected: 02/11/25 11:35

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 15:22	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 15:06	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:44	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876304	02/18/25 10:10	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-261849-9

Date Collected: 02/11/25 13:20

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 15:30	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 14:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:25	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876304	02/18/25 10:45	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-261849-10

Date Collected: 02/11/25 11:15

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876438	02/20/25 15:38	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875725	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			875953	02/14/25 13:46	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-261849-10

Date Collected: 02/11/25 11:15

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 17:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876304	02/18/25 10:27	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-261849-11

Date Collected: 02/11/25 14:50

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		10	2 mL	2 mL	876438	02/20/25 15:46	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 14:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 13:20	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-261849-12

Date Collected: 02/11/25 16:06

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876527	02/20/25 18:11	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 14:25	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:41	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876304	02/18/25 10:53	PG	EET SAV
	Instrument ID: MANTECH 2									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-261849-12
Date Collected: 02/11/25 16:06
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-261849-13
Date Collected: 02/11/25 16:08
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876527	02/20/25 18:19	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 14:29	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 16:36	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 13:14	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875805	02/14/25 11:48	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-261849-14
Date Collected: 02/11/25 14:50
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876527	02/20/25 17:46	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875722	02/14/25 06:27	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876144	02/17/25 14:21	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Prep	7470A			50 mL	50 mL	876611	02/21/25 10:54	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 17:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876304	02/18/25 10:19	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	875805	02/14/25 11:49	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-261849-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Test America, Savannah
5102 LaRoche Ave
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: J. Mayo, J. Berrsford, ACC D. Johnson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 2
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Task_Code: WAN-CCR-ASSMT-2025S1

Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=equality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers
			Preservation Code:				D	I	D	D	I	B, C	D	
WAN- WGWC-17	02/11/25	1327	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- API-FD-01	02/11/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- API-FB-07	02/11/25	1350	G	WQ		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								

680-261849 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
			d

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/12/25 0857	ACC		2-12-25 857	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				2/13/25 1028	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		0.7°, 0.5°, 2.3°, 1.5°, 3.2°

4.1/4.2 3.5/3.5 3.8/3.8 0.6/0.6 0.2/0.2 3.3/3.8

Eurofins Test America, Savannah
5102 LaRoche Ave
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: d. Johnson, ACC J. Beris Ford, J. May	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No: 1 of 2 ~~3~~
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 2 of 2
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Task_Code: WAN-CCR-ASSMT-2025S1

Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers
			Preservation Code:				D	I	D	D	I	B, C	D	
WAN- WGWA-1	02/10/25	1650	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-2	02/10/25	1625	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-3	02/10/25	1646	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-4	02/11/25	1005	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-6	02/11/25	1135	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-7	02/11/25	1320	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-18	02/11/25	1115	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-8	02/11/25	1450	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-9	02/11/25	1606	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-11	02/11/25	1608	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-12	02/11/25	1450	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/12/25 0857	ACI	Anna Neal	2-12-25 857	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/13/25 1028	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.4/4.8 3.5/3.5 3.8/3.8 0.6/0.6 0.2/0.2 3.8/3.8

Ver: 01/16/2019

2/24/2025

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-261849-1

Login Number: 261849
List Number: 1
Creator: Johnson, Corey M

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 3/3/2025 8:48:46 AM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-261943-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
3/3/2025 8:48:46 AM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-261943-1	WAN-WGWC-13	Water	02/12/25 10:41	02/15/25 10:20
680-261943-2	WAN-WGWC-14A	Water	02/12/25 12:55	02/15/25 10:20
680-261943-3	WAN-WGWC-16	Water	02/12/25 14:00	02/15/25 10:20
680-261943-4	WAN-WGWC-20	Water	02/12/25 13:59	02/15/25 10:20
680-261943-5	WAN-WGWC-22	Water	02/12/25 13:52	02/15/25 10:20
680-261943-6	WAN-WGWC-25	Water	02/12/25 12:32	02/15/25 10:20
680-261943-7	WAN-WGWC-27	Water	02/12/25 11:32	02/15/25 10:20
680-261943-8	WAN-WGWC-28D	Water	02/12/25 10:22	02/15/25 10:20
680-261943-9	WAN-WAMW-1	Water	02/12/25 13:51	02/15/25 10:20
680-261943-10	WAN-WAMW-2	Water	02/12/25 11:24	02/15/25 10:20
680-261943-11	WAN-AP1-FD-02	Water	02/12/25 00:00	02/15/25 10:20
680-261943-12	WAN-AP1-FB-08	Water	02/12/25 14:20	02/15/25 10:20
680-261943-13	WAN-AP1-EB-01	Water	02/12/25 10:15	02/15/25 10:20
680-261943-14	WAN-WGWC-10	Water	02/13/25 10:25	02/15/25 10:20
680-261943-15	WAN-WGWC-15	Water	02/13/25 11:40	02/15/25 10:20
680-261943-16	WAN-WGWC-19	Water	02/13/25 09:45	02/15/25 10:20
680-261943-17	WAN-WGWC-21	Water	02/13/25 12:08	02/15/25 10:20
680-261943-18	WAN-WGWC-23	Water	02/13/25 16:35	02/15/25 10:20
680-261943-19	WAN-WGWC-24	Water	02/13/25 12:11	02/15/25 10:20
680-261943-20	WAN-PZ-26D	Water	02/13/25 13:20	02/15/25 10:20
680-261943-21	WAN-PZ-31	Water	02/13/25 13:15	02/15/25 10:20
680-261943-22	WAN-AP1-FD-03	Water	02/13/25 00:00	02/15/25 10:20
680-261943-23	WAN-AP1-FB-09	Water	02/13/25 13:40	02/15/25 10:20
680-261943-24	WAN-AP1-EB-02	Water	02/13/25 11:05	02/15/25 10:20
680-261943-25	WAN-AP1-EB-03	Water	02/13/25 13:00	02/15/25 10:20

Job Narrative
680-261943-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 2/15/2025 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.6°C, 1.9°C, 2.7°C, 3.3°C, 3.6°C and 4.1°C.

HPLC/IC
Method 300_ORGFM_28D: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for analytical batch 680-876645. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 680-876688 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 2540C: A lesser volume of sample was used for the following samples due to the nature of the sample matrix resulting in elevated reporting limits: WAN-WGWC-20 (680-261943-4), WAN-WGWC-28D (680-261943-8) and WAN-WGWC-21 (680-261943-17).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 680-876267 recovered above the upper control limit for thallium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-261943-1

Date Collected: 02/12/25 10:41

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.3**		1.0	0.20	mg/L			02/21/25 14:48	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 14:48	1
Sulfate	**2.6**		1.0	0.40	mg/L			02/21/25 14:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:33	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:33	1
Barium	**0.040**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:33	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:33	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/19/25 09:33	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:33	1
Calcium	**3.8**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:33	1
Chromium	**0.0017**	**J**	0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:33	1
Cobalt	**0.00029**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:33	1
Iron	**0.064**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:33	1
Lead	**0.00022**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:33	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:10	1
Magnesium	**0.57**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:33	1
Manganese	**0.0025**	**J**	0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:33	1
Molybdenum	**0.0013**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:33	1
Potassium	**1.8**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:33	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:33	1
Sodium	**9.4**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:33	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/25 12:56	02/20/25 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**32**		5.0	5.0	mg/L			02/18/25 14:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**32**		5.0	5.0	mg/L			02/18/25 14:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:12	1
Total Dissolved Solids (SM 2540C-2011)	**84**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.4**		1.0	0.20	mg/L			02/21/25 14:57	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 14:57	1
Sulfate	**0.45**	**J**	1.0	0.40	mg/L			02/21/25 14:57	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:06	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:06	1
Barium	**0.027**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:06	1
Beryllium	**0.00027**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:06	1
Boron	**0.027**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:22	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:06	1
Calcium	**0.77**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:06	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:06	1
Cobalt	**0.0015**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:06	1
Iron	**0.014**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:06	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:06	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:22	1
Magnesium	**0.71**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:06	1
Manganese	**0.038**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:06	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:06	1
Potassium	**1.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:06	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:06	1
Sodium	**3.6**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:06	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/25 12:56	02/20/25 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 14:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 14:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:26	1
Total Dissolved Solids (SM 2540C-2011)	**28**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-261943-3

Date Collected: 02/12/25 14:00
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28**		5.0	1.0	mg/L			02/21/25 15:05	5
Fluoride	<0.20		0.50	0.20	mg/L			02/21/25 15:05	5
Sulfate	**40**		5.0	2.0	mg/L			02/21/25 15:05	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:09	1
Barium	**0.040**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:09	1

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-261943-3

Date Collected: 02/12/25 14:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.56**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:26	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:09	1
Calcium	**15**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:09	1
Iron	**0.046**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:09	1
Lithium	**0.0024**	**J**	0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:26	1
Magnesium	**5.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:09	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:09	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:09	1
Potassium	**2.1**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:09	1
Sodium	**8.4**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 15:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 15:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:10	1
Total Dissolved Solids (SM 2540C-2011)	**120**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**380**		25	5.0	mg/L			02/21/25 15:13	25
Fluoride	<1.0		2.5	1.0	mg/L			02/21/25 15:13	25
Sulfate	**470**		25	10	mg/L			02/21/25 15:13	25

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:11	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:11	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:11	1
Beryllium	**0.011**		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:11	1
Boron	**7.4**		0.80	0.22	mg/L		02/17/25 06:11	02/19/25 09:41	10
Cadmium	**0.00045**	**J**	0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:11	1
Calcium	**230**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:11	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:11	1

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:11	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:11	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:11	1
Lithium	**0.14**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:30	1
Magnesium	**50**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:11	1
Manganese	**0.46**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:11	1
Molybdenum	**0.00087**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:11	1
Potassium	**6.3**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:11	1
Selenium	**0.0026**	**J**	0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:11	1
Sodium	**45**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:11	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 14:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**8.9**		5.0	5.0	mg/L			02/18/25 15:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**8.9**		5.0	5.0	mg/L			02/18/25 15:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:26	1
Total Dissolved Solids (SM 2540C-2011)	**1300**		40	40	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-261943-5

Date Collected: 02/12/25 13:52

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.1**		2.0	0.40	mg/L			02/21/25 15:21	2
Fluoride	<0.080		0.20	0.080	mg/L			02/21/25 15:21	2
Sulfate	**66**		2.0	0.80	mg/L			02/21/25 15:21	2

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:35	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:35	1
Barium	**0.022**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:35	1
Beryllium	**0.00061**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:35	1
Boron	**0.32**		0.080	0.022	mg/L		02/17/25 06:11	02/19/25 09:35	1
Cadmium	**0.00011**	**J**	0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:35	1
Calcium	**13**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:35	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:35	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:35	1
Iron	**0.036**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:35	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:35	1
Lithium	**0.0069**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:34	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-261943-5

Date Collected: 02/12/25 13:52

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**3.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:35	1
Manganese	**0.0078**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:35	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:35	1
Potassium	**5.2**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:35	1
Selenium	**0.0030**	**J**	0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:35	1
Sodium	**19**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:35	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**21**		5.0	5.0	mg/L			02/18/25 15:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**21**		5.0	5.0	mg/L			02/18/25 15:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:34	1
Total Dissolved Solids (SM 2540C-2011)	**150**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-261943-6

Date Collected: 02/12/25 12:32

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24**		5.0	1.0	mg/L			02/21/25 15:29	5
Fluoride	<0.20		0.50	0.20	mg/L			02/21/25 15:29	5
Sulfate	**17**		5.0	2.0	mg/L			02/21/25 15:29	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:24	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:24	1
Barium	**0.19**		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:24	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:24	1
Boron	**0.36**		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:24	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:24	1
Calcium	**31**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:24	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:24	1
Cobalt	**0.0085**		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:24	1
Iron	**3.6**		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:24	1
Lead	**0.00065**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:24	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:45	1
Magnesium	**8.7**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:24	1
Manganese	**1.3**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:24	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:24	1
Potassium	**5.1**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:24	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-261943-6

Date Collected: 02/12/25 12:32
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:24	1
Sodium	**6.9**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:24	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**90**		5.0	5.0	mg/L			02/18/25 15:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**90**		5.0	5.0	mg/L			02/18/25 15:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:19	1
Total Dissolved Solids (SM 2540C-2011)	**170**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		2.0	0.40	mg/L			02/21/25 15:38	2
Fluoride	<0.080		0.20	0.080	mg/L			02/21/25 15:38	2
Sulfate	**27**		2.0	0.80	mg/L			02/21/25 15:38	2

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:01	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:01	1
Barium	**0.0034**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:01	1
Beryllium	**0.0011**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:01	1
Boron	**0.19**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:02	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:01	1
Calcium	**16**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:01	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:01	1
Cobalt	**0.0020**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:01	1
Iron	**0.50**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:01	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:01	1
Lithium	**0.026**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:02	1
Magnesium	**2.7**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:01	1
Manganese	**0.26**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:01	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:01	1
Potassium	**1.8**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:01	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:01	1
Sodium	**13**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:01	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:01	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**27**		5.0	5.0	mg/L			02/18/25 16:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**27**		5.0	5.0	mg/L			02/18/25 16:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 16:11	1
Total Dissolved Solids (SM 2540C-2011)	**160**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-28D

Lab Sample ID: 680-261943-8

Date Collected: 02/12/25 10:22
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**470**		100	20	mg/L			02/22/25 13:13	100
Fluoride	<4.0		10	4.0	mg/L			02/22/25 13:13	100
Sulfate	**300**		100	40	mg/L			02/22/25 13:13	100

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:04	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:04	1
Barium	**0.011**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:04	1
Beryllium	**0.0020**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:04	1
Boron	**9.9**		0.80	0.22	mg/L		02/17/25 06:11	02/19/25 09:38	10
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:04	1
Calcium	**340**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:04	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:04	1
Cobalt	**0.00024**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:04	1
Iron	**0.48**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:04	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:04	1
Lithium	**0.19**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:06	1
Magnesium	**62**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:04	1
Manganese	**1.0**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:04	1
Molybdenum	**0.0088**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:04	1
Potassium	**42**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:04	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:04	1
Sodium	**120**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:04	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:12	1

Client Sample ID: WAN-WGWC-28D

Lab Sample ID: 680-261943-8

Date Collected: 02/12/25 10:22

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**43**		5.0	5.0	mg/L			02/18/25 15:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**43**		5.0	5.0	mg/L			02/18/25 15:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:43	1
Total Dissolved Solids (SM 2540C-2011)	**2000**		80	80	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	**1.5**		1.0	1.0	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-WAMW-1

Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32**		5.0	1.0	mg/L			02/22/25 13:23	5
Fluoride	<0.20		0.50	0.20	mg/L			02/22/25 13:23	5
Sulfate	**37**		5.0	2.0	mg/L			02/22/25 13:23	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:56	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:56	1
Barium	**0.041**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:56	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:56	1
Boron	**0.58**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 17:54	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:56	1
Calcium	**16**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:56	1
Chromium	**0.0012**	**J**	0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:56	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:56	1
Iron	**0.023**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:56	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:56	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 17:54	1
Magnesium	**5.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:56	1
Manganese	**0.010**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:56	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:56	1
Potassium	**2.2**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:56	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:56	1
Sodium	**8.9**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:56	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**12**		5.0	5.0	mg/L			02/18/25 14:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**12**		5.0	5.0	mg/L			02/18/25 14:55	1

Client Sample ID: WAN-WAMW-1

Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:55	1
Total Dissolved Solids (SM 2540C-2011)	**130**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-WAMW-2

Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.9**	**F1**	1.0	0.20	mg/L			02/21/25 14:46	1
Fluoride	**0.13**	**F1**	0.10	0.040	mg/L			02/21/25 14:46	1
Sulfate	**4.1**	**F1**	1.0	0.40	mg/L			02/21/25 14:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:58	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:58	1
Barium	**0.0093**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:58	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:58	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 17:58	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:58	1
Calcium	**25**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:58	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:58	1
Cobalt	**0.0010**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:58	1
Iron	**0.044**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:58	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:58	1
Lithium	**0.035**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 17:58	1
Magnesium	**8.3**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:58	1
Manganese	**0.12**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:58	1
Molybdenum	**0.0023**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:58	1
Potassium	**1.5**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:58	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:58	1
Sodium	**8.8**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:58	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**110**		5.0	5.0	mg/L			02/18/25 16:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**110**		5.0	5.0	mg/L			02/18/25 16:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 16:02	1
Total Dissolved Solids (SM 2540C-2011)	**140**		10	10	mg/L			02/19/25 11:12	1

Client Sample ID: WAN-WAMW-2

Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-AP1-FD-02

Lab Sample ID: 680-261943-11

Date Collected: 02/12/25 00:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.3**	**F1**	1.0	0.20	mg/L			02/22/25 12:44	1
Fluoride	**0.063**	**J F1 F2**	0.10	0.040	mg/L			02/22/25 12:44	1
Sulfate	**5.4**	**F1**	1.0	0.40	mg/L			02/22/25 12:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:17	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:17	1
Barium	**0.0045**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:17	1
Beryllium	**0.00026**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:17	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:17	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:17	1
Calcium	**19**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:17	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:17	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:17	1
Iron	**1.9**		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:17	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:17	1
Lithium	**0.024**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:24	1
Magnesium	**5.1**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:17	1
Manganese	**0.031**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:17	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:17	1
Potassium	**2.0**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:17	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:17	1
Sodium	**6.4**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:17	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**77**		5.0	5.0	mg/L			02/18/25 15:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**77**		5.0	5.0	mg/L			02/18/25 15:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:52	1
Total Dissolved Solids (SM 2540C-2011)	**120**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:43	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-261943-12

Date Collected: 02/12/25 14:20
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 15:25	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 15:25	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 15:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:19	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:19	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:19	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:19	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:19	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:19	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:19	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:19	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:19	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:19	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:36	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:19	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:19	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:19	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:19	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:19	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:18	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-261943-13

Date Collected: 02/12/25 10:15
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 15:35	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 15:35	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 15:35	1

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-261943-13

Date Collected: 02/12/25 10:15

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:22	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:22	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:22	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:22	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:22	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:22	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:22	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:22	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:22	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:22	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:22	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:41	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:22	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:22	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:22	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:22	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:22	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:22	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:50	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	**1.2**		0.83	0.83	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.5**		1.0	0.20	mg/L			02/21/25 15:44	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 15:44	1
Sulfate	**1.9**		1.0	0.40	mg/L			02/21/25 15:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:14	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:14	1
Barium	**0.032**		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:14	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:14	1

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:14	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:14	1
Calcium	**8.0**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:14	1
Chromium	**0.0036**		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:14	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:14	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:14	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:14	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:20	1
Magnesium	**1.8**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:14	1
Manganese	**0.015**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:14	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:14	1
Potassium	**1.8**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:14	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:14	1
Sodium	**3.5**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:14	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**29**		5.0	5.0	mg/L			02/21/25 21:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**29**		5.0	5.0	mg/L			02/21/25 21:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:58	1
Total Dissolved Solids (SM 2540C-2011)	**58**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.1**		1.0	0.20	mg/L			02/21/25 15:54	1
Fluoride	**0.72**		0.10	0.040	mg/L			02/21/25 15:54	1
Sulfate	**13**		1.0	0.40	mg/L			02/21/25 15:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:12	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:12	1
Barium	**0.033**		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:12	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:12	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:12	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:12	1
Calcium	**30**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:12	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:12	1

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:12	1
Iron	**0.016**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:12	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:12	1
Lithium	**0.0052**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:16	1
Magnesium	**4.9**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:12	1
Manganese	**0.017**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:12	1
Molybdenum	**0.0023**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:12	1
Potassium	**1.4**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:12	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:12	1
Sodium	**8.7**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:12	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**97**		5.0	5.0	mg/L			02/21/25 22:07	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**97**		5.0	5.0	mg/L			02/21/25 22:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:07	1
Total Dissolved Solids (SM 2540C-2011)	**140**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.20	mg/L			02/21/25 16:04	1
Fluoride	**0.058**	**J**	0.10	0.040	mg/L			02/21/25 16:04	1
Sulfate	**3.3**		1.0	0.40	mg/L			02/21/25 16:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:09	1
Barium	**0.0077**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:09	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:09	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:09	1
Calcium	**13**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:09	1
Iron	**0.046**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:09	1
Lithium	**0.060**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:12	1

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**9.8**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:09	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:09	1
Molybdenum	**0.0014**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:09	1
Potassium	**1.4**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:09	1
Sodium	**8.2**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:09	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**80**		5.0	5.0	mg/L			02/21/25 22:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**80**		5.0	5.0	mg/L			02/21/25 22:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:23	1
Total Dissolved Solids (SM 2540C-2011)	**100**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48**		10	2.0	mg/L			02/21/25 16:14	10
Fluoride	<0.40		1.0	0.40	mg/L			02/21/25 16:14	10
Sulfate	**350**		10	4.0	mg/L			02/21/25 16:14	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 13:59	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 13:59	1
Barium	**0.0038**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 13:59	1
Beryllium	**0.00033**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 13:59	1
Boron	**0.12**		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 13:59	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 13:59	1
Calcium	**64**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 13:59	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 13:59	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 13:59	1
Iron	**0.059**		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 13:59	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 13:59	1
Lithium	**0.065**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:08	1
Magnesium	**7.5**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 13:59	1
Manganese	**0.16**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 13:59	1
Molybdenum	**0.027**		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 13:59	1
Potassium	**2.8**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 13:59	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 13:59	1
Sodium	**160**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 13:59	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**96**		5.0	5.0	mg/L			02/21/25 22:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**96**		5.0	5.0	mg/L			02/21/25 22:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:42	1
Total Dissolved Solids (SM 2540C-2011)	**610**		40	40	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-261943-18

Date Collected: 02/13/25 16:35
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.20	mg/L			02/21/25 16:24	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 16:24	1
Sulfate	**7.3**		1.0	0.40	mg/L			02/21/25 16:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:27	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:27	1
Barium	**0.015**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:27	1
Beryllium	**0.0016**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:27	1
Boron	**0.024**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:46	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:27	1
Calcium	**4.4**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:27	1
Chromium	**0.0017**	**J**	0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:27	1
Cobalt	**0.00022**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:27	1
Iron	**0.21**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:27	1
Lead	**0.0020**		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:27	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:46	1
Magnesium	**0.77**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:27	1
Manganese	**0.019**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:27	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:27	1
Potassium	**2.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:27	1
Selenium	**0.0031**	**J**	0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:27	1
Sodium	**13**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:27	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:27	1

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-261943-18

Date Collected: 02/13/25 16:35
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**26**		5.0	5.0	mg/L			02/21/25 22:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**26**		5.0	5.0	mg/L			02/21/25 22:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:33	1
Total Dissolved Solids (SM 2540C-2011)	**140**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		5.0	1.0	mg/L			02/22/25 13:32	5
Fluoride	<0.20		0.50	0.20	mg/L			02/22/25 13:32	5
Sulfate	**79**		5.0	2.0	mg/L			02/22/25 13:32	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:29	1
Barium	**0.051**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:29	1
Beryllium	**0.0055**		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:29	1
Boron	**0.94**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:50	1
Cadmium	**0.00018**	**J**	0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:29	1
Calcium	**20**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:29	1
Cobalt	**0.039**		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:29	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:29	1
Lead	**0.00050**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:29	1
Lithium	**0.0034**	**J**	0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:50	1
Magnesium	**4.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:29	1
Manganese	**1.3**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:29	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:29	1
Potassium	**6.8**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:29	1
Sodium	**7.6**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 11:08	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11
Matrix: Water
Date Received: 02/15/25 10:20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:24	1
Total Dissolved Solids (SM 2540C-2011)	**160**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-PZ-26D

Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		2.0	0.40	mg/L			02/21/25 17:32	2
Fluoride	<0.080		0.20	0.080	mg/L			02/21/25 17:32	2
Sulfate	**24**		2.0	0.80	mg/L			02/21/25 17:32	2

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:32	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:32	1
Barium	**0.017**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:32	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:32	1
Boron	**0.078**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:54	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:32	1
Calcium	**13**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:32	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:32	1
Cobalt	**0.0011**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:32	1
Iron	**0.13**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:32	1
Lead	**0.0010**		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:32	1
Lithium	**0.024**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:54	1
Magnesium	**2.7**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:32	1
Manganese	**0.027**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:32	1
Molybdenum	**0.0027**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:32	1
Potassium	**1.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:32	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:32	1
Sodium	**22**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:32	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**54**		5.0	5.0	mg/L			02/21/25 22:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**54**		5.0	5.0	mg/L			02/21/25 22:49	1

Client Sample ID: WAN-PZ-26D

Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:49	1
Total Dissolved Solids (SM 2540C-2011)	**150**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-PZ-31

Lab Sample ID: 680-261943-21

Date Collected: 02/13/25 13:15

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.8**		1.0	0.20	mg/L			02/21/25 17:03	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 17:03	1
Sulfate	**0.62**	**J**	1.0	0.40	mg/L			02/21/25 17:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:19	1
Barium	**0.059**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:19	1
Beryllium	**0.00051**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:19	1
Boron	**0.040**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:38	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:19	1
Calcium	**1.6**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:19	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:19	1
Cobalt	**0.0016**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:19	1
Iron	**0.12**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:19	1
Lead	**0.00070**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:19	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:38	1
Magnesium	**1.6**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:19	1
Manganese	**0.11**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:19	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:19	1
Potassium	**1.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:19	1
Sodium	**2.4**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:19	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**10**		5.0	5.0	mg/L			02/21/25 23:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**10**		5.0	5.0	mg/L			02/21/25 23:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 23:11	1
Total Dissolved Solids (SM 2540C-2011)	**38**		10	10	mg/L			02/20/25 06:33	1

Client Sample ID: WAN-PZ-31

Lab Sample ID: 680-261943-21

Date Collected: 02/13/25 13:15

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-261943-22

Date Collected: 02/13/25 00:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.20	mg/L			02/22/25 13:42	1
Fluoride	**0.11**		0.10	0.040	mg/L			02/22/25 13:42	1
Sulfate	**3.3**		1.0	0.40	mg/L			02/22/25 13:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:22	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:22	1
Barium	**0.0012**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:22	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:22	1
Boron	**0.028**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:42	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:22	1
Calcium	**12**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:22	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:22	1
Cobalt	**0.00022**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:22	1
Iron	**0.048**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:22	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:22	1
Lithium	**0.059**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:42	1
Magnesium	**9.9**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:22	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:22	1
Molybdenum	**0.0013**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:22	1
Potassium	**1.5**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:22	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:22	1
Sodium	**8.1**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:22	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**84**		5.0	5.0	mg/L			02/22/25 00:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**84**		5.0	5.0	mg/L			02/22/25 00:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 00:57	1
Total Dissolved Solids (SM 2540C-2011)	**110**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-261943-23

Date Collected: 02/13/25 13:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 17:51	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 17:51	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 17:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:34	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:34	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:34	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:34	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:59	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:34	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:34	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:34	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:34	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:34	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:34	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:59	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:34	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:34	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:34	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:34	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:34	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:34	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:12	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 18:01	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 18:01	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 18:01	1

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:37	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:37	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:37	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:37	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 19:11	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:37	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:37	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:37	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:37	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:37	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:37	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 19:11	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:37	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:37	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:37	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:37	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:37	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:37	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:29	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/20/25 07:49	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-261943-25

Date Collected: 02/13/25 13:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 18:11	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 18:11	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 18:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:40	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:40	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:40	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:40	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-AP1-EB-03
Date Collected: 02/13/25 13:00
Date Received: 02/15/25 10:20

Lab Sample ID: 680-261943-25
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 19:15	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:40	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:40	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:40	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:40	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:40	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:40	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 19:15	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:40	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:40	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:40	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:40	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:40	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:40	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:18	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/20/25 07:49	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-876596/2
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 10:16	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 10:16	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 10:16	1

Lab Sample ID: LCS 680-876596/3
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.70		mg/L		97	90 - 110
Fluoride	2.00	1.89		mg/L		95	90 - 110
Sulfate	10.0	10.4		mg/L		104	90 - 110

Lab Sample ID: LCSD 680-876596/4
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.77		mg/L		98	90 - 110	1	15
Fluoride	2.00	1.90		mg/L		95	90 - 110	0	15
Sulfate	10.0	10.4		mg/L		104	90 - 110	0	15

Lab Sample ID: 680-261941-D-17 MS
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.5		10.0	13.0		mg/L		106	80 - 120
Fluoride	<0.040		2.00	2.00		mg/L		100	80 - 120
Sulfate	0.75	J	10.0	11.5		mg/L		108	80 - 120

Lab Sample ID: 680-261941-D-17 MSD
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.5		10.0	12.6		mg/L		101	80 - 120	3	15
Fluoride	<0.040		2.00	1.90		mg/L		95	80 - 120	5	15
Sulfate	0.75	J	10.0	11.2		mg/L		104	80 - 120	3	15

Lab Sample ID: MB 680-876645/2
Matrix: Water
Analysis Batch: 876645

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 13:23	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 13:23	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 13:23	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-876645/3
Matrix: Water
Analysis Batch: 876645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.90		mg/L		99	90 - 110		
Fluoride			2.00	2.04		mg/L		102	90 - 110		
Sulfate			10.0	10.9		mg/L		109	90 - 110		

Lab Sample ID: LCSD 680-876645/4
Matrix: Water
Analysis Batch: 876645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.87		mg/L		99	90 - 110	0	15
Fluoride			2.00	2.03		mg/L		101	90 - 110	1	15
Sulfate			10.0	10.8		mg/L		108	90 - 110	0	15

Lab Sample ID: 680-261943-10 MS
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-WAMW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2.9	F1	10.0	2.87	F1	mg/L		-0.2	80 - 120		
Fluoride	0.13	F1	2.00	0.123	F1	mg/L		-0.3	80 - 120		
Sulfate	4.1	F1	10.0	4.04	F1	mg/L		-0.4	80 - 120		

Lab Sample ID: 680-261943-10 MSD
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-WAMW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.9	F1	10.0	2.88	F1	mg/L		-0.04	80 - 120	0	15
Fluoride	0.13	F1	2.00	0.134	F1	mg/L		0.2	80 - 120	9	15
Sulfate	4.1	F1	10.0	4.07	F1	mg/L		-0.07	80 - 120	1	15

Lab Sample ID: 680-261943-21 MS
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-PZ-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4.8		10.0	15.5		mg/L		106	80 - 120		
Fluoride	<0.040		2.00	2.15		mg/L		108	80 - 120		
Sulfate	0.62	J	10.0	11.6		mg/L		110	80 - 120		

Lab Sample ID: 680-261943-21 MSD
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-PZ-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.8		10.0	15.0		mg/L		102	80 - 120	3	15
Fluoride	<0.040		2.00	2.06		mg/L		103	80 - 120	4	15
Sulfate	0.62	J	10.0	11.1		mg/L		105	80 - 120	5	15

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-876688/2
Matrix: Water
Analysis Batch: 876688

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/22/25 11:58	1
Fluoride	<0.040		0.10	0.040	mg/L			02/22/25 11:58	1
Sulfate	<0.40		1.0	0.40	mg/L			02/22/25 11:58	1

Lab Sample ID: LCS 680-876688/3
Matrix: Water
Analysis Batch: 876688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.97		mg/L		100	90 - 110
Fluoride	2.00	2.04		mg/L		102	90 - 110
Sulfate	10.0	10.9		mg/L		109	90 - 110

Lab Sample ID: LCSD 680-876688/4
Matrix: Water
Analysis Batch: 876688

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.0		mg/L		100	90 - 110	0	15
Fluoride	2.00	2.04		mg/L		102	90 - 110	0	15
Sulfate	10.0	10.9		mg/L		109	90 - 110	0	15

Lab Sample ID: 680-261943-11 MS
Matrix: Water
Analysis Batch: 876688

Client Sample ID: WAN-AP1-FD-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.3	F1	10.0	10.1	F1	mg/L		77	80 - 120
Fluoride	0.063	J F1 F2	2.00	1.56	F1	mg/L		75	80 - 120
Sulfate	5.4	F1	10.0	13.0	F1	mg/L		76	80 - 120

Lab Sample ID: 680-261943-11 MSD
Matrix: Water
Analysis Batch: 876688

Client Sample ID: WAN-AP1-FD-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.3	F1	10.0	11.6		mg/L		93	80 - 120	14	15
Fluoride	0.063	J F1 F2	2.00	1.87	F2	mg/L		90	80 - 120	18	15
Sulfate	5.4	F1	10.0	14.9		mg/L		95	80 - 120	14	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-875904/1-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 17:33	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 17:33	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-875904/1-A
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:28	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:28	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:28	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:28	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:28	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:28	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:28	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:28	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:28	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:28	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:28	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:28	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:28	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:28	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:28	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:28	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:28	1

Lab Sample ID: LCS 680-875904/2-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.391		mg/L		98	80 - 120
Lithium	0.500	0.506		mg/L		101	80 - 120

Lab Sample ID: LCS 680-875904/2-A
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0494		mg/L		99	80 - 120
Arsenic	0.100	0.0972		mg/L		97	80 - 120
Barium	0.100	0.0989		mg/L		99	80 - 120
Beryllium	0.0500	0.0502		mg/L		100	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Calcium	5.00	4.88		mg/L		98	80 - 120
Chromium	0.100	0.0982		mg/L		98	80 - 120
Cobalt	0.0500	0.0502		mg/L		100	80 - 120
Iron	5.00	5.01		mg/L		100	80 - 120
Lead	0.500	0.496		mg/L		99	80 - 120
Magnesium	5.00	4.96		mg/L		99	80 - 120
Manganese	0.400	0.398		mg/L		100	80 - 120
Molybdenum	0.100	0.100		mg/L		100	80 - 120
Potassium	7.00	6.96		mg/L		99	80 - 120
Selenium	0.100	0.0969		mg/L		97	80 - 120
Sodium	5.00	5.06		mg/L		101	80 - 120
Thallium	0.0500	0.0489		mg/L		98	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-186495-E-1-B MS
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.022		0.400	0.431		mg/L		108	75 - 125
Lithium	<0.0020		0.500	0.533		mg/L		107	75 - 125

Lab Sample ID: 180-186495-E-1-B MS
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0529		mg/L		106	75 - 125
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125
Barium	0.0091	J	0.100	0.115		mg/L		106	75 - 125
Beryllium	<0.00020		0.0500	0.0537		mg/L		107	75 - 125
Cadmium	<0.000078		0.0500	0.0519		mg/L		104	75 - 125
Calcium	120		5.00	136	4	mg/L		226	75 - 125
Chromium	<0.0012		0.100	0.105		mg/L		105	75 - 125
Cobalt	<0.00022		0.0500	0.0534		mg/L		107	75 - 125
Iron	0.012	J	5.00	5.24		mg/L		105	75 - 125
Lead	<0.00021		0.500	0.536		mg/L		107	75 - 125
Magnesium	<0.023		5.00	5.22		mg/L		104	75 - 125
Manganese	<0.0022		0.400	0.425		mg/L		106	75 - 125
Molybdenum	0.0042	J	0.100	0.112		mg/L		108	75 - 125
Potassium	1.1		7.00	8.50		mg/L		106	75 - 125
Selenium	<0.00099		0.100	0.103		mg/L		103	75 - 125
Sodium	17		5.00	23.1		mg/L		121	75 - 125
Thallium	<0.00026		0.0500	0.0524		mg/L		105	75 - 125

Lab Sample ID: 180-186495-E-1-C MSD
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.400	0.417		mg/L		104	75 - 125	3	20
Lithium	<0.0020		0.500	0.508		mg/L		102	75 - 125	5	20

Lab Sample ID: 180-186495-E-1-C MSD
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0539		mg/L		108	75 - 125	2	20
Arsenic	<0.00086		0.100	0.104		mg/L		104	75 - 125	1	20
Barium	0.0091	J	0.100	0.118		mg/L		109	75 - 125	3	20
Beryllium	<0.00020		0.0500	0.0553		mg/L		111	75 - 125	3	20
Cadmium	<0.000078		0.0500	0.0538		mg/L		108	75 - 125	4	20
Calcium	120		5.00	135	4	mg/L		212	75 - 125	1	20
Chromium	<0.0012		0.100	0.107		mg/L		107	75 - 125	2	20
Cobalt	<0.00022		0.0500	0.0545		mg/L		109	75 - 125	2	20
Iron	0.012	J	5.00	5.38		mg/L		108	75 - 125	3	20
Lead	<0.00021		0.500	0.537		mg/L		107	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-186495-E-1-C MSD
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	<0.023		5.00	5.42		mg/L		108	75 - 125	4	20
Manganese	<0.0022		0.400	0.427		mg/L		107	75 - 125	1	20
Molybdenum	0.0042	J	0.100	0.115		mg/L		111	75 - 125	2	20
Potassium	1.1		7.00	8.60		mg/L		107	75 - 125	1	20
Selenium	<0.00099		0.100	0.105		mg/L		105	75 - 125	2	20
Sodium	17		5.00	23.2		mg/L		123	75 - 125	0	20
Thallium	<0.00026		0.0500	0.0528		mg/L		106	75 - 125	1	20

Lab Sample ID: MB 680-875906/1-A
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 13:35	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 13:35	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 13:35	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 13:35	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 13:35	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 13:35	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 13:35	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 13:35	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 13:35	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 13:35	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 13:35	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 13:35	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 13:35	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 13:35	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 13:35	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 13:35	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 13:35	1

Lab Sample ID: MB 680-875906/1-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 15:48	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 15:48	1

Lab Sample ID: LCS 680-875906/2-A
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0528		mg/L		106	80 - 120
Arsenic	0.100	0.107		mg/L		107	80 - 120
Barium	0.100	0.103		mg/L		103	80 - 120
Beryllium	0.0500	0.0557		mg/L		111	80 - 120
Boron	0.400	0.417		mg/L		104	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-875906/2-A
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.0500	0.0505		mg/L		101	80 - 120
Calcium	5.00	5.39		mg/L		108	80 - 120
Chromium	0.100	0.105		mg/L		105	80 - 120
Cobalt	0.0500	0.0526		mg/L		105	80 - 120
Iron	5.00	5.30		mg/L		106	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Magnesium	5.00	5.30		mg/L		106	80 - 120
Manganese	0.400	0.418		mg/L		105	80 - 120
Molybdenum	0.100	0.109		mg/L		109	80 - 120
Potassium	7.00	7.39		mg/L		106	80 - 120
Selenium	0.100	0.106		mg/L		106	80 - 120
Sodium	5.00	5.37		mg/L		107	80 - 120

Lab Sample ID: LCS 680-875906/2-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.505		mg/L		101	80 - 120
Thallium	0.0500	0.0537	^+	mg/L		107	80 - 120

Lab Sample ID: 752-29506-A-3-B MS
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00036	J	0.0500	0.0552		mg/L		110	75 - 125
Arsenic	<0.00086		0.100	0.106		mg/L		106	75 - 125
Barium	0.037		0.100	0.143		mg/L		106	75 - 125
Beryllium	<0.00020		0.0500	0.0568		mg/L		114	75 - 125
Boron	<0.022		0.400	0.442		mg/L		110	75 - 125
Cadmium	<0.000078		0.0500	0.0520		mg/L		104	75 - 125
Calcium	6.4		5.00	11.8		mg/L		107	75 - 125
Chromium	0.0018	J	0.100	0.107		mg/L		105	75 - 125
Cobalt	<0.00022		0.0500	0.0522		mg/L		104	75 - 125
Iron	0.27		5.00	5.63		mg/L		107	75 - 125
Lead	0.0019		0.500	0.548		mg/L		109	75 - 125
Magnesium	1.1		5.00	6.40		mg/L		105	75 - 125
Manganese	0.015		0.400	0.433		mg/L		105	75 - 125
Molybdenum	<0.00086		0.100	0.113		mg/L		113	75 - 125
Potassium	1.5		7.00	8.85		mg/L		105	75 - 125
Selenium	<0.00099		0.100	0.109		mg/L		109	75 - 125
Sodium	12		5.00	16.4		mg/L		90	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 752-29506-A-3-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 876267 — **Prep Batch: 875906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0020		0.500	0.530		mg/L		106	75 - 125
Thallium	<0.00026		0.0500	0.0549		mg/L		110	75 - 125

Lab Sample ID: 752-29506-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 876142 — **Prep Batch: 875906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00036	J	0.0500	0.0558		mg/L		111	75 - 125	1	20
Arsenic	<0.00086		0.100	0.109		mg/L		109	75 - 125	2	20
Barium	0.037		0.100	0.158		mg/L		121	75 - 125	10	20
Beryllium	<0.00020		0.0500	0.0570		mg/L		114	75 - 125	0	20
Boron	<0.022		0.400	0.445		mg/L		111	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0535		mg/L		107	75 - 125	3	20
Calcium	6.4		5.00	11.6		mg/L		103	75 - 125	2	20
Chromium	0.0018	J	0.100	0.108		mg/L		106	75 - 125	1	20
Cobalt	<0.00022		0.0500	0.0517		mg/L		103	75 - 125	1	20
Iron	0.27		5.00	5.62		mg/L		107	75 - 125	0	20
Lead	0.0019		0.500	0.544		mg/L		108	75 - 125	1	20
Magnesium	1.1		5.00	6.45		mg/L		106	75 - 125	1	20
Manganese	0.015		0.400	0.434		mg/L		105	75 - 125	0	20
Molybdenum	<0.00086		0.100	0.113		mg/L		113	75 - 125	0	20
Potassium	1.5		7.00	9.13		mg/L		109	75 - 125	3	20
Selenium	<0.00099		0.100	0.110		mg/L		110	75 - 125	0	20
Sodium	12		5.00	16.3		mg/L		89	75 - 125	0	20

Lab Sample ID: 752-29506-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 876267 — **Prep Batch: 875906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.524		mg/L		105	75 - 125	1	20
Thallium	<0.00026		0.0500	0.0552		mg/L		110	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-876505/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 876558 — **Prep Batch: 876505**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/25 12:56	02/20/25 17:13	1

Lab Sample ID: LCS 680-876505/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 876558 — **Prep Batch: 876505**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00264		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 680-261844-B-11-C MS
Matrix: Water
Analysis Batch: 876558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 876505

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000983		mg/L		98	80 - 120

Lab Sample ID: 680-261844-B-11-D MSD
Matrix: Water
Analysis Batch: 876558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 876505

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00105		mg/L		105	80 - 120	7	20

Lab Sample ID: MB 680-876641/1-A
Matrix: Water
Analysis Batch: 876741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 14:46	1

Lab Sample ID: LCS 680-876641/2-A
Matrix: Water
Analysis Batch: 876741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

Lab Sample ID: 680-261943-3 MS
Matrix: Water
Analysis Batch: 876741

Client Sample ID: WAN-WGWC-16
Prep Type: Total/NA
Prep Batch: 876641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.00101		mg/L		101	80 - 120

Lab Sample ID: 680-261943-3 MSD
Matrix: Water
Analysis Batch: 876741

Client Sample ID: WAN-WGWC-16
Prep Type: Total/NA
Prep Batch: 876641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000993		mg/L		99	80 - 120	2	20

Lab Sample ID: MB 680-876812/1-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 11:39	1

Lab Sample ID: LCS 680-876812/2-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 680-261943-17 MS
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-WGWC-21
Prep Type: Total/NA
Prep Batch: 876812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080		0.00100	0.00100		mg/L		100	80 - 120		

Lab Sample ID: 680-261943-17 MSD
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-WGWC-21
Prep Type: Total/NA
Prep Batch: 876812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000995		mg/L		99	80 - 120	1	20

Lab Sample ID: MB 680-876813/1-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:29	1

Lab Sample ID: LCS 680-876813/2-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876813

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00252		mg/L		101	80 - 120		

Lab Sample ID: 680-261943-25 MS
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-AP1-EB-03
Prep Type: Total/NA
Prep Batch: 876813

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080		0.00100	0.000984		mg/L		98	80 - 120		

Lab Sample ID: 680-261943-25 MSD
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-AP1-EB-03
Prep Type: Total/NA
Prep Batch: 876813

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000990		mg/L		99	80 - 120	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-876307/4
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCS 680-876307/6
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	247		mg/L		99	90 - 112		

Lab Sample ID: LCSD 680-876307/31
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	248		mg/L		99	90 - 112	0	30

Lab Sample ID: 680-261943-9 DU
Matrix: Water
Analysis Batch: 876307

Client Sample ID: WAN-WAMW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	12			10.4		mg/L				17	30
Bicarbonate Alkalinity as CaCO3	12			10.4		mg/L				17	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Lab Sample ID: MB 680-876836/4
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/25 19:04	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/25 19:04	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/25 19:04	1

Lab Sample ID: LCS 680-876836/6
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	246		mg/L		99	90 - 112		

Lab Sample ID: LCSD 680-876836/31
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	246		mg/L		98	90 - 112	0	30

Lab Sample ID: 680-261941-C-10 DU
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	28			25.5		mg/L				9	30
Bicarbonate Alkalinity as CaCO3	28			25.5		mg/L				9	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: MB 680-876837/4
Matrix: Water
Analysis Batch: 876837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/25 00:33	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/25 00:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/25 00:33	1

Lab Sample ID: LCS 680-876837/6
Matrix: Water
Analysis Batch: 876837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	248		mg/L		99	90 - 112

Lab Sample ID: LCSD 680-876837/31
Matrix: Water
Analysis Batch: 876837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	250		mg/L		100	90 - 112	1	30

Lab Sample ID: 680-261943-22 DU
Matrix: Water
Analysis Batch: 876837

Client Sample ID: WAN-AP1-FD-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	84		83.7		mg/L		0.2	30
Bicarbonate Alkalinity as CaCO3	84		83.7		mg/L		0.2	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-876097/1
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/18/25 07:09	1

Lab Sample ID: LCS 680-876097/2
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2440	2420		mg/L		99	80 - 120

Lab Sample ID: LCSD 680-876097/3
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2440	2400		mg/L		98	80 - 120	1	25

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: 680-261823-A-1 DU
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	250			240		mg/L				3	5

Lab Sample ID: MB 680-876316/1
Matrix: Water
Analysis Batch: 876316

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/18/25 07:09	1

Lab Sample ID: LCS 680-876316/2
Matrix: Water
Analysis Batch: 876316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2410		mg/L		99	80 - 120		

Lab Sample ID: LCSD 680-876316/3
Matrix: Water
Analysis Batch: 876316

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2400		mg/L		99	80 - 120	0	25

Lab Sample ID: 680-261943-4 DU
Matrix: Water
Analysis Batch: 876316

Client Sample ID: WAN-WGWC-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1300			1250		mg/L				2	5

Lab Sample ID: MB 680-876411/1
Matrix: Water
Analysis Batch: 876411

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/20/25 06:33	1

Lab Sample ID: LCS 680-876411/2
Matrix: Water
Analysis Batch: 876411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2410		mg/L		99	80 - 120		

Lab Sample ID: LCSD 680-876411/3
Matrix: Water
Analysis Batch: 876411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2370		mg/L		97	80 - 120	1	25

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: 680-261943-17 DU
Matrix: Water
Analysis Batch: 876411

Client Sample ID: WAN-WGWC-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	610			618		mg/L				1	5

Lab Sample ID: MB 680-876416/1
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/20/25 07:49	1

Lab Sample ID: LCS 680-876416/2
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2350		mg/L		96	80 - 120		

Lab Sample ID: LCSD 680-876416/3
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2380		mg/L		98	80 - 120	1	25

Lab Sample ID: 680-261988-C-1 DU
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	350			364		mg/L				5	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-875975/1
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			02/17/25 11:37	1

Lab Sample ID: LCS 680-875975/2
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			10.0	8.24		mg/L		82	75 - 125		

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCSD 680-875975/3
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	9.83		mg/L		98	75 - 125	18	30

Lab Sample ID: 680-261860-E-5 MS
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.83		6.94	5.91		mg/L		85	75 - 125		

Lab Sample ID: 680-261860-E-5 MSD
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.83		6.94	5.91		mg/L		85	75 - 125	0	30

Lab Sample ID: 670-56772-E-1 DU
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	6.3		6.98		mg/L		11	30

Lab Sample ID: MB 680-876205/1
Matrix: Water
Analysis Batch: 876205

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			02/18/25 12:44	1

Lab Sample ID: LCS 680-876205/2
Matrix: Water
Analysis Batch: 876205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			10.0	8.16		mg/L		82	75 - 125		

Lab Sample ID: LCSD 680-876205/3
Matrix: Water
Analysis Batch: 876205

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	8.40		mg/L		84	75 - 125	3	30

Lab Sample ID: 680-261943-16 MS
Matrix: Water
Analysis Batch: 876205

Client Sample ID: WAN-WGWC-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.83		6.50	6.20		mg/L		95	75 - 125		

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: 680-261943-16 MSD
Matrix: Water
Analysis Batch: 876205

Client Sample ID: WAN-WGWC-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.83		6.50	6.20		mg/L		95	75 - 125	0	30

Lab Sample ID: 680-261943-14 DU
Matrix: Water
Analysis Batch: 876205

Client Sample ID: WAN-WGWC-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	<0.89			<0.89		mg/L				NC	30

HPLC/IC

Analysis Batch: 876596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	300.0-1993 R2.1	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	300.0-1993 R2.1	
680-261943-3	WAN-WGWC-16	Total/NA	Water	300.0-1993 R2.1	
680-261943-4	WAN-WGWC-20	Total/NA	Water	300.0-1993 R2.1	
680-261943-5	WAN-WGWC-22	Total/NA	Water	300.0-1993 R2.1	
680-261943-6	WAN-WGWC-25	Total/NA	Water	300.0-1993 R2.1	
680-261943-7	WAN-WGWC-27	Total/NA	Water	300.0-1993 R2.1	
MB 680-876596/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876596/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876596/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261941-D-17 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-261941-D-17 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 876645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-10	WAN-WAMW-2	Total/NA	Water	300.0-1993 R2.1	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	300.0-1993 R2.1	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	300.0-1993 R2.1	
680-261943-14	WAN-WGWC-10	Total/NA	Water	300.0-1993 R2.1	
680-261943-15	WAN-WGWC-15	Total/NA	Water	300.0-1993 R2.1	
680-261943-16	WAN-WGWC-19	Total/NA	Water	300.0-1993 R2.1	
680-261943-17	WAN-WGWC-21	Total/NA	Water	300.0-1993 R2.1	
680-261943-18	WAN-WGWC-23	Total/NA	Water	300.0-1993 R2.1	
680-261943-20	WAN-PZ-26D	Total/NA	Water	300.0-1993 R2.1	
680-261943-21	WAN-PZ-31	Total/NA	Water	300.0-1993 R2.1	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	300.0-1993 R2.1	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	300.0-1993 R2.1	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	300.0-1993 R2.1	
MB 680-876645/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876645/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876645/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261943-10 MS	WAN-WAMW-2	Total/NA	Water	300.0-1993 R2.1	
680-261943-10 MSD	WAN-WAMW-2	Total/NA	Water	300.0-1993 R2.1	
680-261943-21 MS	WAN-PZ-31	Total/NA	Water	300.0-1993 R2.1	
680-261943-21 MSD	WAN-PZ-31	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 876688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-8	WAN-WGWC-28D	Total/NA	Water	300.0-1993 R2.1	
680-261943-9	WAN-WAMW-1	Total/NA	Water	300.0-1993 R2.1	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	300.0-1993 R2.1	
680-261943-19	WAN-WGWC-24	Total/NA	Water	300.0-1993 R2.1	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	300.0-1993 R2.1	
MB 680-876688/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876688/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876688/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261943-11 MS	WAN-AP1-FD-02	Total/NA	Water	300.0-1993 R2.1	
680-261943-11 MSD	WAN-AP1-FD-02	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 875904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total Recoverable	Water	3005A	
680-261943-2	WAN-WGWC-14A	Total Recoverable	Water	3005A	
680-261943-3	WAN-WGWC-16	Total Recoverable	Water	3005A	
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	3005A	
680-261943-5	WAN-WGWC-22	Total Recoverable	Water	3005A	
680-261943-7	WAN-WGWC-27	Total Recoverable	Water	3005A	
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	3005A	
680-261943-9	WAN-WAMW-1	Total Recoverable	Water	3005A	
680-261943-10	WAN-WAMW-2	Total Recoverable	Water	3005A	
680-261943-18	WAN-WGWC-23	Total Recoverable	Water	3005A	
680-261943-19	WAN-WGWC-24	Total Recoverable	Water	3005A	
680-261943-20	WAN-PZ-26D	Total Recoverable	Water	3005A	
680-261943-21	WAN-PZ-31	Total Recoverable	Water	3005A	
680-261943-22	WAN-AP1-FD-03	Total Recoverable	Water	3005A	
680-261943-23	WAN-AP1-FB-09	Total Recoverable	Water	3005A	
680-261943-24	WAN-AP1-EB-02	Total Recoverable	Water	3005A	
680-261943-25	WAN-AP1-EB-03	Total Recoverable	Water	3005A	
MB 680-875904/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-875904/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-186495-E-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-186495-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 875906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-6	WAN-WGWC-25	Total Recoverable	Water	3005A	
680-261943-11	WAN-AP1-FD-02	Total Recoverable	Water	3005A	
680-261943-12	WAN-AP1-FB-08	Total Recoverable	Water	3005A	
680-261943-13	WAN-AP1-EB-01	Total Recoverable	Water	3005A	
680-261943-14	WAN-WGWC-10	Total Recoverable	Water	3005A	
680-261943-15	WAN-WGWC-15	Total Recoverable	Water	3005A	
680-261943-16	WAN-WGWC-19	Total Recoverable	Water	3005A	
680-261943-17	WAN-WGWC-21	Total Recoverable	Water	3005A	
MB 680-875906/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-875906/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-29506-A-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
752-29506-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 876142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-6	WAN-WGWC-25	Total Recoverable	Water	6020B	875906
680-261943-11	WAN-AP1-FD-02	Total Recoverable	Water	6020B	875906
680-261943-12	WAN-AP1-FB-08	Total Recoverable	Water	6020B	875906
680-261943-13	WAN-AP1-EB-01	Total Recoverable	Water	6020B	875906
680-261943-14	WAN-WGWC-10	Total Recoverable	Water	6020B	875906
680-261943-15	WAN-WGWC-15	Total Recoverable	Water	6020B	875906
680-261943-16	WAN-WGWC-19	Total Recoverable	Water	6020B	875906
680-261943-17	WAN-WGWC-21	Total Recoverable	Water	6020B	875906
MB 680-875906/1-A	Method Blank	Total Recoverable	Water	6020B	875906
LCS 680-875906/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875906
752-29506-A-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	875906
752-29506-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875906

Metals

Analysis Batch: 876267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total Recoverable	Water	6020B	875904
680-261943-2	WAN-WGWC-14A	Total Recoverable	Water	6020B	875904
680-261943-3	WAN-WGWC-16	Total Recoverable	Water	6020B	875904
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	6020B	875904
680-261943-5	WAN-WGWC-22	Total Recoverable	Water	6020B	875904
680-261943-6	WAN-WGWC-25	Total Recoverable	Water	6020B	875906
680-261943-7	WAN-WGWC-27	Total Recoverable	Water	6020B	875904
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	6020B	875904
680-261943-9	WAN-WAMW-1	Total Recoverable	Water	6020B	875904
680-261943-10	WAN-WAMW-2	Total Recoverable	Water	6020B	875904
680-261943-11	WAN-AP1-FD-02	Total Recoverable	Water	6020B	875906
680-261943-12	WAN-AP1-FB-08	Total Recoverable	Water	6020B	875906
680-261943-13	WAN-AP1-EB-01	Total Recoverable	Water	6020B	875906
680-261943-14	WAN-WGWC-10	Total Recoverable	Water	6020B	875906
680-261943-15	WAN-WGWC-15	Total Recoverable	Water	6020B	875906
680-261943-16	WAN-WGWC-19	Total Recoverable	Water	6020B	875906
680-261943-17	WAN-WGWC-21	Total Recoverable	Water	6020B	875906
680-261943-18	WAN-WGWC-23	Total Recoverable	Water	6020B	875904
680-261943-19	WAN-WGWC-24	Total Recoverable	Water	6020B	875904
680-261943-20	WAN-PZ-26D	Total Recoverable	Water	6020B	875904
680-261943-21	WAN-PZ-31	Total Recoverable	Water	6020B	875904
680-261943-22	WAN-AP1-FD-03	Total Recoverable	Water	6020B	875904
680-261943-23	WAN-AP1-FB-09	Total Recoverable	Water	6020B	875904
680-261943-24	WAN-AP1-EB-02	Total Recoverable	Water	6020B	875904
680-261943-25	WAN-AP1-EB-03	Total Recoverable	Water	6020B	875904
MB 680-875904/1-A	Method Blank	Total Recoverable	Water	6020B	875904
MB 680-875906/1-A	Method Blank	Total Recoverable	Water	6020B	875906
LCS 680-875904/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875904
LCS 680-875906/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875906
180-186495-E-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	875904
180-186495-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875904
752-29506-A-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	875906
752-29506-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875906

Analysis Batch: 876418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total Recoverable	Water	6020B	875904
680-261943-2	WAN-WGWC-14A	Total Recoverable	Water	6020B	875904
680-261943-3	WAN-WGWC-16	Total Recoverable	Water	6020B	875904
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	6020B	875904
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	6020B	875904
680-261943-5	WAN-WGWC-22	Total Recoverable	Water	6020B	875904
680-261943-7	WAN-WGWC-27	Total Recoverable	Water	6020B	875904
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	6020B	875904
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	6020B	875904
680-261943-9	WAN-WAMW-1	Total Recoverable	Water	6020B	875904
680-261943-10	WAN-WAMW-2	Total Recoverable	Water	6020B	875904
680-261943-18	WAN-WGWC-23	Total Recoverable	Water	6020B	875904
680-261943-19	WAN-WGWC-24	Total Recoverable	Water	6020B	875904
680-261943-20	WAN-PZ-26D	Total Recoverable	Water	6020B	875904
680-261943-21	WAN-PZ-31	Total Recoverable	Water	6020B	875904

Metals (Continued)

Analysis Batch: 876418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-22	WAN-AP1-FD-03	Total Recoverable	Water	6020B	875904
680-261943-23	WAN-AP1-FB-09	Total Recoverable	Water	6020B	875904
680-261943-24	WAN-AP1-EB-02	Total Recoverable	Water	6020B	875904
680-261943-25	WAN-AP1-EB-03	Total Recoverable	Water	6020B	875904
MB 680-875904/1-A	Method Blank	Total Recoverable	Water	6020B	875904
LCS 680-875904/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875904
180-186495-E-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	875904
180-186495-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875904

Prep Batch: 876505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	7470A	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	7470A	
MB 680-876505/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876505/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261844-B-11-C MS	Matrix Spike	Total/NA	Water	7470A	
680-261844-B-11-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 876558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	7470A	876505
680-261943-2	WAN-WGWC-14A	Total/NA	Water	7470A	876505
MB 680-876505/1-A	Method Blank	Total/NA	Water	7470A	876505
LCS 680-876505/2-A	Lab Control Sample	Total/NA	Water	7470A	876505
680-261844-B-11-C MS	Matrix Spike	Total/NA	Water	7470A	876505
680-261844-B-11-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	876505

Prep Batch: 876641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-3	WAN-WGWC-16	Total/NA	Water	7470A	
680-261943-4	WAN-WGWC-20	Total/NA	Water	7470A	
680-261943-5	WAN-WGWC-22	Total/NA	Water	7470A	
680-261943-6	WAN-WGWC-25	Total/NA	Water	7470A	
680-261943-7	WAN-WGWC-27	Total/NA	Water	7470A	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	7470A	
680-261943-9	WAN-WAMW-1	Total/NA	Water	7470A	
MB 680-876641/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876641/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261943-3 MS	WAN-WGWC-16	Total/NA	Water	7470A	
680-261943-3 MSD	WAN-WGWC-16	Total/NA	Water	7470A	

Analysis Batch: 876741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-3	WAN-WGWC-16	Total/NA	Water	7470A	876641
680-261943-4	WAN-WGWC-20	Total/NA	Water	7470A	876641
680-261943-5	WAN-WGWC-22	Total/NA	Water	7470A	876641
680-261943-6	WAN-WGWC-25	Total/NA	Water	7470A	876641
680-261943-7	WAN-WGWC-27	Total/NA	Water	7470A	876641
680-261943-8	WAN-WGWC-28D	Total/NA	Water	7470A	876641
680-261943-9	WAN-WAMW-1	Total/NA	Water	7470A	876641
MB 680-876641/1-A	Method Blank	Total/NA	Water	7470A	876641

Metals (Continued)

Analysis Batch: 876741 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-876641/2-A	Lab Control Sample	Total/NA	Water	7470A	876641
680-261943-3 MS	WAN-WGWC-16	Total/NA	Water	7470A	876641
680-261943-3 MSD	WAN-WGWC-16	Total/NA	Water	7470A	876641

Prep Batch: 876812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-10	WAN-WAMW-2	Total/NA	Water	7470A	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	7470A	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	7470A	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	7470A	
680-261943-14	WAN-WGWC-10	Total/NA	Water	7470A	
680-261943-15	WAN-WGWC-15	Total/NA	Water	7470A	
680-261943-16	WAN-WGWC-19	Total/NA	Water	7470A	
680-261943-17	WAN-WGWC-21	Total/NA	Water	7470A	
MB 680-876812/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876812/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261943-17 MS	WAN-WGWC-21	Total/NA	Water	7470A	
680-261943-17 MSD	WAN-WGWC-21	Total/NA	Water	7470A	

Prep Batch: 876813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-18	WAN-WGWC-23	Total/NA	Water	7470A	
680-261943-19	WAN-WGWC-24	Total/NA	Water	7470A	
680-261943-20	WAN-PZ-26D	Total/NA	Water	7470A	
680-261943-21	WAN-PZ-31	Total/NA	Water	7470A	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	7470A	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	7470A	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	7470A	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	7470A	
MB 680-876813/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876813/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261943-25 MS	WAN-AP1-EB-03	Total/NA	Water	7470A	
680-261943-25 MSD	WAN-AP1-EB-03	Total/NA	Water	7470A	

Analysis Batch: 876960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-10	WAN-WAMW-2	Total/NA	Water	7470A	876812
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	7470A	876812
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	7470A	876812
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	7470A	876812
680-261943-14	WAN-WGWC-10	Total/NA	Water	7470A	876812
680-261943-15	WAN-WGWC-15	Total/NA	Water	7470A	876812
680-261943-16	WAN-WGWC-19	Total/NA	Water	7470A	876812
680-261943-17	WAN-WGWC-21	Total/NA	Water	7470A	876812
680-261943-18	WAN-WGWC-23	Total/NA	Water	7470A	876813
680-261943-19	WAN-WGWC-24	Total/NA	Water	7470A	876813
680-261943-20	WAN-PZ-26D	Total/NA	Water	7470A	876813
680-261943-21	WAN-PZ-31	Total/NA	Water	7470A	876813
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	7470A	876813
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	7470A	876813
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	7470A	876813

Metals (Continued)

Analysis Batch: 876960 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	7470A	876813
MB 680-876812/1-A	Method Blank	Total/NA	Water	7470A	876812
MB 680-876813/1-A	Method Blank	Total/NA	Water	7470A	876813
LCS 680-876812/2-A	Lab Control Sample	Total/NA	Water	7470A	876812
LCS 680-876813/2-A	Lab Control Sample	Total/NA	Water	7470A	876813
680-261943-17 MS	WAN-WGWC-21	Total/NA	Water	7470A	876812
680-261943-17 MSD	WAN-WGWC-21	Total/NA	Water	7470A	876812
680-261943-25 MS	WAN-AP1-EB-03	Total/NA	Water	7470A	876813
680-261943-25 MSD	WAN-AP1-EB-03	Total/NA	Water	7470A	876813

General Chemistry

Analysis Batch: 875975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	4500 S2 F-2011	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	4500 S2 F-2011	
680-261943-3	WAN-WGWC-16	Total/NA	Water	4500 S2 F-2011	
680-261943-4	WAN-WGWC-20	Total/NA	Water	4500 S2 F-2011	
680-261943-5	WAN-WGWC-22	Total/NA	Water	4500 S2 F-2011	
680-261943-6	WAN-WGWC-25	Total/NA	Water	4500 S2 F-2011	
680-261943-7	WAN-WGWC-27	Total/NA	Water	4500 S2 F-2011	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	4500 S2 F-2011	
680-261943-9	WAN-WAMW-1	Total/NA	Water	4500 S2 F-2011	
680-261943-10	WAN-WAMW-2	Total/NA	Water	4500 S2 F-2011	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	4500 S2 F-2011	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	4500 S2 F-2011	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	4500 S2 F-2011	
MB 680-875975/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-875975/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-875975/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-261860-E-5 MS	Matrix Spike	Total/NA	Water	4500 S2 F-2011	
680-261860-E-5 MSD	Matrix Spike Duplicate	Total/NA	Water	4500 S2 F-2011	
670-56772-E-1 DU	Duplicate	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 876097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	2540C-2011	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	2540C-2011	
MB 680-876097/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876097/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876097/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261823-A-1 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 876205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-14	WAN-WGWC-10	Total/NA	Water	4500 S2 F-2011	
680-261943-15	WAN-WGWC-15	Total/NA	Water	4500 S2 F-2011	
680-261943-16	WAN-WGWC-19	Total/NA	Water	4500 S2 F-2011	
680-261943-17	WAN-WGWC-21	Total/NA	Water	4500 S2 F-2011	
680-261943-18	WAN-WGWC-23	Total/NA	Water	4500 S2 F-2011	
680-261943-19	WAN-WGWC-24	Total/NA	Water	4500 S2 F-2011	

General Chemistry (Continued)

Analysis Batch: 876205 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-20	WAN-PZ-26D	Total/NA	Water	4500 S2 F-2011	
680-261943-21	WAN-PZ-31	Total/NA	Water	4500 S2 F-2011	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	4500 S2 F-2011	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	4500 S2 F-2011	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	4500 S2 F-2011	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	4500 S2 F-2011	
MB 680-876205/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-876205/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-876205/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-261943-16 MS	WAN-WGWC-19	Total/NA	Water	4500 S2 F-2011	
680-261943-16 MSD	WAN-WGWC-19	Total/NA	Water	4500 S2 F-2011	
680-261943-14 DU	WAN-WGWC-10	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 876307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	2320B-2011	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	2320B-2011	
680-261943-3	WAN-WGWC-16	Total/NA	Water	2320B-2011	
680-261943-4	WAN-WGWC-20	Total/NA	Water	2320B-2011	
680-261943-5	WAN-WGWC-22	Total/NA	Water	2320B-2011	
680-261943-6	WAN-WGWC-25	Total/NA	Water	2320B-2011	
680-261943-7	WAN-WGWC-27	Total/NA	Water	2320B-2011	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	2320B-2011	
680-261943-9	WAN-WAMW-1	Total/NA	Water	2320B-2011	
680-261943-10	WAN-WAMW-2	Total/NA	Water	2320B-2011	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	2320B-2011	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	2320B-2011	
MB 680-876307/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876307/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876307/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261943-9 DU	WAN-WAMW-1	Total/NA	Water	2320B-2011	

Analysis Batch: 876316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-3	WAN-WGWC-16	Total/NA	Water	2540C-2011	
680-261943-4	WAN-WGWC-20	Total/NA	Water	2540C-2011	
680-261943-5	WAN-WGWC-22	Total/NA	Water	2540C-2011	
680-261943-6	WAN-WGWC-25	Total/NA	Water	2540C-2011	
680-261943-7	WAN-WGWC-27	Total/NA	Water	2540C-2011	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	2540C-2011	
680-261943-9	WAN-WAMW-1	Total/NA	Water	2540C-2011	
680-261943-10	WAN-WAMW-2	Total/NA	Water	2540C-2011	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	2540C-2011	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	2540C-2011	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	2540C-2011	
MB 680-876316/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876316/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876316/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261943-4 DU	WAN-WGWC-20	Total/NA	Water	2540C-2011	

General Chemistry

Analysis Batch: 876411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-14	WAN-WGWC-10	Total/NA	Water	2540C-2011	
680-261943-15	WAN-WGWC-15	Total/NA	Water	2540C-2011	
680-261943-16	WAN-WGWC-19	Total/NA	Water	2540C-2011	
680-261943-17	WAN-WGWC-21	Total/NA	Water	2540C-2011	
680-261943-18	WAN-WGWC-23	Total/NA	Water	2540C-2011	
680-261943-19	WAN-WGWC-24	Total/NA	Water	2540C-2011	
680-261943-20	WAN-PZ-26D	Total/NA	Water	2540C-2011	
680-261943-21	WAN-PZ-31	Total/NA	Water	2540C-2011	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	2540C-2011	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	2540C-2011	
MB 680-876411/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876411/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876411/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261943-17 DU	WAN-WGWC-21	Total/NA	Water	2540C-2011	

Analysis Batch: 876416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	2540C-2011	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	2540C-2011	
MB 680-876416/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876416/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876416/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261988-C-1 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 876836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	2320B-2011	
680-261943-14	WAN-WGWC-10	Total/NA	Water	2320B-2011	
680-261943-15	WAN-WGWC-15	Total/NA	Water	2320B-2011	
680-261943-16	WAN-WGWC-19	Total/NA	Water	2320B-2011	
680-261943-17	WAN-WGWC-21	Total/NA	Water	2320B-2011	
680-261943-18	WAN-WGWC-23	Total/NA	Water	2320B-2011	
680-261943-20	WAN-PZ-26D	Total/NA	Water	2320B-2011	
680-261943-21	WAN-PZ-31	Total/NA	Water	2320B-2011	
MB 680-876836/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876836/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876836/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261941-C-10 DU	Duplicate	Total/NA	Water	2320B-2011	

Analysis Batch: 876837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-19	WAN-WGWC-24	Total/NA	Water	2320B-2011	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	2320B-2011	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	2320B-2011	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	2320B-2011	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	2320B-2011	
MB 680-876837/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876837/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876837/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261943-22 DU	WAN-AP1-FD-03	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-261943-1

Date Collected: 02/12/25 10:41

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876596	02/21/25 14:48	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:10	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:33	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876505	02/20/25 12:56	MG	EET SAV
Total/NA	Analysis	7470A		1			876558	02/20/25 17:27	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:12	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876596	02/21/25 14:57	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:22	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:06	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876505	02/20/25 12:56	MG	EET SAV
Total/NA	Analysis	7470A		1			876558	02/20/25 17:29	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:26	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-16
Lab Sample ID: 680-261943-3
Date Collected: 02/12/25 14:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	2 mL	2 mL	876596	02/21/25 15:05	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:26	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:09	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 14:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:10	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-20
Lab Sample ID: 680-261943-4
Date Collected: 02/12/25 13:59
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		25	2 mL	2 mL	876596	02/21/25 15:13	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:30	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		10			876418	02/19/25 09:41	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:11	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 14:58	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:26	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-22
Lab Sample ID: 680-261943-5
Date Collected: 02/12/25 13:52
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		2	2 mL	2 mL	876596	02/21/25 15:21	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:34	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:35	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:00	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:34	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-25
Lab Sample ID: 680-261943-6
Date Collected: 02/12/25 12:32
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	2 mL	2 mL	876596	02/21/25 15:29	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:45	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:24	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:03	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:19	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-27
Lab Sample ID: 680-261943-7
Date Collected: 02/12/25 11:32
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		2	2 mL	2 mL	876596	02/21/25 15:38	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:02	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:01	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 16:11	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-28D
Lab Sample ID: 680-261943-8
Date Collected: 02/12/25 10:22
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		100	5 mL	5 mL	876688	02/22/25 13:13	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:06	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		10			876418	02/19/25 09:38	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:04	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:43	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	25 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WAMW-1
Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	5 mL	5 mL	876688	02/22/25 13:23	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 17:54	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:56	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:55	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WAMW-2
Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 14:46	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 17:58	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:58	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:35	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 16:02	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-FD-02
Lab Sample ID: 680-261943-11
Date Collected: 02/12/25 00:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876688	02/22/25 12:44	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:24	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:17	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:52	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-FB-08
Lab Sample ID: 680-261943-12
Date Collected: 02/12/25 14:20
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:25	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:36	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:19	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:18	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-EB-01
Lab Sample ID: 680-261943-13
Date Collected: 02/12/25 10:15
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:35	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:41	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:22	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 21:50	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-10
Lab Sample ID: 680-261943-14
Date Collected: 02/13/25 10:25
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:44	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:20	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:14	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 21:58	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-15
Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:54	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:16	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:12	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:07	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-19
Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 16:04	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:12	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:09	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:07	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:23	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-21
Lab Sample ID: 680-261943-17
Date Collected: 02/13/25 12:08
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		10	5 mL	5 mL	876645	02/21/25 16:14	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:08	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 13:59	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:44	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:42	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-23
Lab Sample ID: 680-261943-18
Date Collected: 02/13/25 16:35
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 16:24	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:27	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:45	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:33	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-24
Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	5 mL	5 mL	876688	02/22/25 13:32	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:50	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:29	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:08	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:24	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-PZ-26D
Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		2	5 mL	5 mL	876645	02/21/25 17:32	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:54	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:32	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:52	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:49	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-PZ-31
Lab Sample ID: 680-261943-21
Date Collected: 02/13/25 13:15
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 17:03	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:19	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:47	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 23:11	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-FD-03
Lab Sample ID: 680-261943-22
Date Collected: 02/13/25 00:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876688	02/22/25 13:42	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:22	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:50	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 00:57	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-FB-09
Lab Sample ID: 680-261943-23
Date Collected: 02/13/25 13:40
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 17:51	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:59	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:34	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:06	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:12	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-EB-02
Lab Sample ID: 680-261943-24
Date Collected: 02/13/25 11:05
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 18:01	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 19:11	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:37	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:54	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:29	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876416	02/20/25 07:49	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-EB-03
Lab Sample ID: 680-261943-25
Date Collected: 02/13/25 13:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 18:11	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 19:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:40	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:18	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876416	02/20/25 07:49	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Test America, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information
Client Contact: SCS Contacts
Company: GA Power
Address: 241 Ralph McGill Blvd SE
City: Atlanta
State, Zip: GA, 30308
Phone: 404-506-7116(Tel)
Email: SCS Contacts / Geosyntec Contacts
Project Name: Plant Wansley Ash Pond
Site:

Sampler: T. Gable, ACC; D. Jamison, T. Mety
Phone:
Due Date Requested:
TAT Requested (days):
Lab Project #: 58027765
PO #: GPC82130-0004
Project #:
SSOW#:

Lab PM: Fuller, David
E-Mail: david.fuller@et.eurofinsus.com
Carrier Tracking No(s):

COC No:
Page: 1 of 3
Job #:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Task_Code: WAN-CCR-ASSMT-2025S1

Special Instructions/Note: Pull APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO4, & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW 846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	Special Instructions/Note
			Preservation Code:				D	I	D	D	I	B, C	D		
WAN-WGWC-13	02/12/25	1041	G	WG		N	✓	✓	✓	✓	✓	✓	✓	4	
WAN-WGWC-14A	02/12/25	1255	G	WG		N	✓	✓	✓	✓	✓	✓	✓	5	
WAN-WGWC-16	02/12/25	1400	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	22664
WAN-WGWC-20	02/12/25	1359	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-22	02/12/25	1352	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-25	02/12/25	1232	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-27	02/12/25	1132	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-28D	02/12/25	1022	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WAMW-1	02/12/25	1351	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WA MW-2	02/12/25	1124	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-API-FD-02	02/12/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	

660-261943 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:
Relinquished by:	Date/Time: 02-14-25 1322	Company: ALL	Received by:	Date/Time: 2/14/25 13:22	Company:	
Relinquished by:	Date/Time: 2/14/25	Company:	Received by:	Date/Time: 2/15/25 1020	Company:	
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 3/3.3 0.6/0.6	Company:	

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.6, 1.3, 1.5, 1.3, 1.2, 1.0, 1.6, 1.5 #2665

Ver: 01/16/2019

Eurofins Test America, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Bonk, ACC D. Jamison, J. May	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: Page 2 of 3
Company: GA Power		Analysis Requested		Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC92130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300.0, SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	Task_Code: WAN-CCR-ASSMT-2025S1 Special Instructions/Note: Full APP III and APP IV
			Preservation Code:		X	X	D	I	D	D	I	S, C	D		X
WAN-AP1-FB-08	02/12/25	1420	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-AP1-EB-01	02/12/25	1015	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-WGWC-10	02/13/25	1025	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-WGWC-15	02/13/25	1140	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-WGWC-19	02/13/25	0945	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-WGWC-21	02/13/25	1208	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-WGWC-23	02/13/25	1135	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-WGWC-24	02/13/25	1211	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-PZ-26D	02/13/25	1320	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-PZ-31	02/13/25	1315	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-AP1-FD-03	02/13/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓		8

21264

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 02-14-25 1322	Company: ACC	Received by: ACC	Date/Time: 2/14/25 13:22	Company: G
Relinquished by:	Date/Time: 2/14/25	Company	Received by:	Date/Time: 2/15/25 1020	Company
Relinquished by:	Date/Time:	Company	Received by: 4.1/4.1	Date/Time: ~~2.3/3.3 0~~	Company: 3.6/3.6

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.6, 1.3, 2.5, 1.2, 1.2, 1.0, 1.6, 1.5 #2065

Ver: 01/16/2019

Eurofins Test America, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: ACC D. Johnson, J. Young, T. Gould	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: 3 of 3
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Atlanta	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 680277666			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			Task_Code: WAN-CCR-ASSMT-2025S1
Site:	SSOW#:			Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Co,Pb,Li,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	
			Preservation Code:				D	I	D	D	I	B, C	D		
WAN- API-FB-09	02/13/25	1340	G	WQ		N	✓	✓	✓	✓	✓	✓	✓		8	
WAN- API-EB-02	02/13/25	1105	G	WQ		N	✓	✓	✓	✓	✓	✓	✓		8	
WAN- API-EB-03	02/13/25	1300	G	WQ		N	✓	✓	✓	✓	✓	✓	✓		8	22664
WAN-			G			N										
WAN-			G			N										
WAN-			G			N										
WAN-			G			N										
WAN-			G			N										
WAN-			G			N										
WAN-			G			N										
WAN-			G			N										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 02-14-25 1322	Company: ACC	Received by:	Date/Time: 2/14/25 1324	Company: G
Relinquished by:	Date/Time: 2/14/25	Company:	Received by:	Date/Time: 2/15/25 1020	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 2.7/2.7	Company:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.8, 1.3, 2.5, 1.3, 1.2, 1.0, 1.6, 1.5

Ver: 01/16/2019

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794409 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-261943-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/3/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WGWC-13 (680-261943-1)	2/12/25	10:41 Eastern	G	Water			X	X	X	2	
WAN-WGWC-14A (680-261943-2)	2/12/25	12:55 Eastern	G	Water			X	X	X	2	
WAN-WGWC-16 (680-261943-3)	2/12/25	14:00 Eastern	G	Water			X	X	X	2	
WAN-WGWC-20 (680-261943-4)	2/12/25	13:59 Eastern	G	Water			X	X	X	2	
WAN-WGWC-22 (680-261943-5)	2/12/25	13:52 Eastern	G	Water			X	X	X	2	
WAN-WGWC-25 (680-261943-6)	2/12/25	12:32 Eastern	G	Water			X	X	X	2	
WAN-WGWC-27 (680-261943-7)	2/12/25	11:32 Eastern	G	Water			X	X	X	2	
WAN-WGWC-28D (680-261943-8)	2/12/25	10:22 Eastern	G	Water			X	X	X	2	
WAN-WAMW-1 (680-261943-9)	2/12/25	13:51 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: C. Munno	Date/Time: 2/17/25 0900	Company: Eurofins	Received by: M. Pinette	Date/Time: FEB 18 2025 1105	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794409.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-261943-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/3/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-
Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WAMW-2 (680-261943-10)	2/12/25	11:24 Eastern	G	Water			X	X	X	2	
WAN-AP1-FD-02 (680-261943-11)	2/12/25	Eastern	G	Water			X	X	X	2	
WAN-AP1-FB-08 (680-261943-12)	2/12/25	14:20 Eastern	G	Water			X	X	X	2	
WAN-AP1-EB-01 (680-261943-13)	2/12/25	10:15 Eastern	G	Water			X	X	X	2	
WAN-WGWC-10 (680-261943-14)	2/13/25	10:25 Eastern	G	Water			X	X	X	2	
WAN-WGWC-15 (680-261943-15)	2/13/25	11:40 Eastern	G	Water			X	X	X	2	
WAN-WGWC-19 (680-261943-16)	2/13/25	09:45 Eastern	G	Water			X	X	X	2	
WAN-WGWC-21 (680-261943-17)	2/13/25	12:08 Eastern	G	Water			X	X	X	2	
WAN-WGWC-23 (680-261943-18)	2/13/25	16:35 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	C. Munno	2/17/25 0900	Eurofins S	M. Pinette	FEB 18 2025 1105	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794409.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-261943-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/3/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WGWC-24 (680-261943-19)	2/13/25	12:11 Eastern	G	Water			X	X	X	2	
WAN-PZ-26D (680-261943-20)	2/13/25	13:20 Eastern	G	Water			X	X	X	2	
WAN-PZ-31 (680-261943-21)	2/13/25	13:15 Eastern	G	Water			X	X	X	2	
WAN-AP1-FD-03 (680-261943-22)	2/13/25	Eastern	G	Water			X	X	X	2	
WAN-AP1-FB-09 (680-261943-23)	2/13/25	13:40 Eastern	G	Water			X	X	X	2	
WAN-AP1-EB-02 (680-261943-24)	2/13/25	11:05 Eastern	G	Water			X	X	X	2	
WAN-AP1-EB-03 (680-261943-25)	2/13/25	13:00 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	C. Mmmo	2/17/25 0900	Eurofins	M. Pinette	FEB 18 2025 1105	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-261943-1

Login Number: 261943

List Source: Eurofins Savannah

List Number: 1

Creator: Faught, Timothy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 7/7/2025 7:37:32 PM Revision 1

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-263379-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
7/7/2025 7:37:32 PM
Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-263379-1	WAN-PZ-32D	Water	04/07/25 13:51	04/09/25 10:29

Job ID: 680-263379-1 — Eurofins Savannah

Job Narrative
680-263379-1

Revision 1
The report being provided is a revision of the original report sent on 4/15/2025. The report (revision 1) is being revised in order to add all required batch QC data for metals method.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The sample was received on 4/9/2025 10:29 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

HPLC/IC
Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: WAN-PZ-32D (680-263379-1). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-880602 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 680-880602 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C: A lesser volume of sample was used for the following sample due to the nature of the sample matrix resulting in elevated reporting limits: WAN-PZ-32D (680-263379-1),

Method 2540C: The sample duplicate precision for the following sample associated with analytical batch 680-880537 was outside control limits: (680-263379-A-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

Method SM4500_S2_F: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container(s): WAN-PZ-32D (680-263379-1), (680-263382-D-1 MS) and (680-263382-D-1 MSD).

Method SM4500_S2_F: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-880773 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Client Sample ID: WAN-PZ-32D

Date Collected: 04/07/25 13:51
Date Received: 04/09/25 10:29

Lab Sample ID: 680-263379-1

Matrix: Water

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	700		50	10	mg/L			04/10/25 15:49	50
Fluoride	<2.0		5.0	2.0	mg/L			04/10/25 15:49	50
Sulfate	440		50	20	mg/L			04/10/25 15:49	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	7.2		0.80	0.22	mg/L		04/10/25 05:34	04/15/25 09:42	10
Calcium	340		0.50	0.14	mg/L		04/10/25 05:34	04/10/25 14:40	1
Iron	4.6		0.050	0.012	mg/L		04/10/25 05:34	04/10/25 14:40	1
Lithium	0.14		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:49	1
Magnesium	54		0.50	0.023	mg/L		04/10/25 05:34	04/10/25 14:40	1
Manganese	5.2		0.0050	0.0022	mg/L		04/10/25 05:34	04/10/25 14:40	1
Potassium	7.0		0.50	0.044	mg/L		04/10/25 05:34	04/10/25 14:40	1
Sodium	73		0.50	0.20	mg/L		04/10/25 05:34	04/10/25 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	86		5.0	5.0	mg/L			04/14/25 14:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	86		5.0	5.0	mg/L			04/14/25 14:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			04/14/25 14:37	1
Total Dissolved Solids (SM 2540C-2011)	1700		40	40	mg/L			04/09/25 15:10	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			04/14/25 11:25	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-880602/2
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			04/10/25 11:58	1
Fluoride	<0.040		0.10	0.040	mg/L			04/10/25 11:58	1
Sulfate	<0.40		1.0	0.40	mg/L			04/10/25 11:58	1

Lab Sample ID: LCS 680-880602/3
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.74		mg/L		97	90 - 110
Fluoride	2.00	1.87		mg/L		93	90 - 110
Sulfate	10.0	9.09		mg/L		91	90 - 110

Lab Sample ID: LCSD 680-880602/4
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	11.0		mg/L		110	90 - 110	12	15
Fluoride	2.00	2.11		mg/L		105	90 - 110	12	15
Sulfate	10.0	10.3		mg/L		103	90 - 110	12	15

Lab Sample ID: 752-31366-A-11 MS
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.6	F1	10.0	19.5		mg/L		119	80 - 120
Fluoride	0.041	J	2.00	2.10		mg/L		103	80 - 120
Sulfate	3.2		10.0	13.4		mg/L		102	80 - 120

Lab Sample ID: 752-31366-A-11 MSD
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.6	F1	10.0	20.2	E F1	mg/L		125	80 - 120	3	15
Fluoride	0.041	J	2.00	2.16		mg/L		106	80 - 120	3	15
Sulfate	3.2		10.0	13.8		mg/L		106	80 - 120	3	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		04/10/25 05:34	04/10/25 14:04	1
Calcium	<0.14		0.50	0.14	mg/L		04/10/25 05:34	04/10/25 14:04	1
Iron	<0.012		0.050	0.012	mg/L		04/10/25 05:34	04/10/25 14:04	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.023		0.50	0.023	mg/L		04/10/25 05:34	04/10/25 14:04	1
Manganese	<0.0022		0.0050	0.0022	mg/L		04/10/25 05:34	04/10/25 14:04	1
Potassium	<0.044		0.50	0.044	mg/L		04/10/25 05:34	04/10/25 14:04	1
Sodium	<0.20		0.50	0.20	mg/L		04/10/25 05:34	04/10/25 14:04	1

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:28	1

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.404		mg/L		101	80 - 120
Calcium	5.00	5.25		mg/L		105	80 - 120
Iron	5.00	5.25		mg/L		105	80 - 120
Magnesium	5.00	4.77		mg/L		95	80 - 120
Manganese	0.400	0.406		mg/L		101	80 - 120
Potassium	7.00	7.21		mg/L		103	80 - 120
Sodium	5.00	5.25		mg/L		105	80 - 120

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.525		mg/L		105	80 - 120

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.022		0.400	0.392		mg/L		98	75 - 125
Calcium	100		5.00	94.2	4	mg/L		-184	75 - 125
Iron	0.46		5.00	5.21		mg/L		95	75 - 125
Magnesium	3.4		5.00	7.58		mg/L		84	75 - 125
Manganese	0.054		0.400	0.430		mg/L		94	75 - 125
Sodium	390		5.00	348	4	mg/L		-791	75 - 125

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0020		0.500	0.497		mg/L		99	75 - 125

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 752-31395-G-3-B MS ^10
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	500		7.00	447	4	mg/L		-716	75 - 125

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.400	0.397		mg/L		99	75 - 125	1	20
Calcium	100		5.00	98.0	4	mg/L		-109	75 - 125	4	20
Iron	0.46		5.00	5.38		mg/L		98	75 - 125	3	20
Magnesium	3.4		5.00	7.73		mg/L		87	75 - 125	2	20
Manganese	0.054		0.400	0.438		mg/L		96	75 - 125	2	20
Sodium	390		5.00	368	4	mg/L		-389	75 - 125	6	20

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.490		mg/L		98	75 - 125	1	20

Lab Sample ID: 752-31395-G-3-C MSD ^10
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	500		7.00	447	4	mg/L		-718	75 - 125	0	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-880876/4
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1

Lab Sample ID: LCS 680-880876/6
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	245		mg/L		98	90 - 112

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCSD 680-880876/31
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	248		mg/L		99	90 - 112	1	30

Lab Sample ID: 680-263379-1 DU
Matrix: Water
Analysis Batch: 880876

Client Sample ID: WAN-PZ-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	86			83.9		mg/L				2	30
Bicarbonate Alkalinity as CaCO3	86			83.9		mg/L				2	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-880537/1
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/25 15:10	1

Lab Sample ID: LCS 680-880537/2
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2390		mg/L		98	80 - 120		

Lab Sample ID: LCSD 680-880537/3
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2410		mg/L		99	80 - 120	1	25

Lab Sample ID: 680-263379-1 DU
Matrix: Water
Analysis Batch: 880537

Client Sample ID: WAN-PZ-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1700			1800	F3	mg/L				7	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-880773/1
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			04/14/25 11:24	1

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCS 680-880773/2
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			10.0	9.83		mg/L		98	75 - 125		

Lab Sample ID: LCSD 680-880773/3
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	9.26		mg/L		93	75 - 125	6	30

Lab Sample ID: 680-263382-D-1 MS
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125		

Lab Sample ID: 680-263382-D-1 MSD
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125	0	30

Lab Sample ID: 680-263379-1 DU
Matrix: Water
Analysis Batch: 880773

Client Sample ID: WAN-PZ-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	<0.83			<0.81		mg/L				NC	30

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

HPLC/IC

Analysis Batch: 880602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	300.0-1993 R2.1	
MB 680-880602/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-880602/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-880602/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 880550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	3005A	
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
752-31395-G-3-B MS ^10	Matrix Spike	Total Recoverable	Water	3005A	
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
752-31395-G-3-C MSD ^10	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 880666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS ^10	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD ^10	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	6020B	880550

General Chemistry

Analysis Batch: 880537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	2540C-2011	
MB 680-880537/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-880537/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-880537/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-263379-1 DU	WAN-PZ-32D	Total/NA	Water	2540C-2011	

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

General Chemistry

Analysis Batch: 880773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	4500 S2 F-2011	
MB 680-880773/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-880773/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-880773/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-263382-D-1 MS	Matrix Spike	Total/NA	Water	4500 S2 F-2011	
680-263382-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	4500 S2 F-2011	
680-263379-1 DU	WAN-PZ-32D	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 880876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	2320B-2011	
MB 680-880876/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-880876/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-880876/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-263379-1 DU	WAN-PZ-32D	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Client Sample ID: WAN-PZ-32D

Date Collected: 04/07/25 13:51
Date Received: 04/09/25 10:29

Lab Sample ID: 680-263379-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		50	2 mL	2 mL	880602	04/10/25 15:49	AF	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:40	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880830	04/15/25 09:42	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	2320B-2011		1			880876	04/14/25 14:37	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	880537	04/09/25 15:10	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	880773	04/14/25 11:25	NVF	EET SAV
	Instrument ID: NoEquip									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-263379-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	04-20-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Goble ACC	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 1
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days): 5-day TAT			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004 / PO Line #1			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Task_Code: WAN-CCR-OTH-2025 04 07

Special Instructions/Note: Full APP III and Specified Parameters

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - App. III & Specified Metals (B, Ca; Li, Fe, Mg, Mn, K, Na)	300_ORGFM_28D - Chloride Fluoride Sulfate	2540C - Total Dissolved Solids (TDS)	2320B - Carbonate, Bicarbonate, Total Alkalinity	SM 4500 S2 F - Sulfide	Total Number of containers
			Preservation Code:		X	X	D	N	N	I	B, C	X
WAN-PZ-32D	04/07/25	1351	G	WG	N	N	✓	✓	✓	✓	✓	6

680-263379 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Taylor Goble	4-8-25 / 0942	ACC		4.9.25 0942	
2	Brad Neal	4-8-25 1247			4-9-25 1029	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.1 #2665 1.3/1.3

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-263379-1

Login Number: 263379
List Number: 1
Creator: Sims, Robert D

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 4/21/2025 1:21:59 PM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-263382-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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Authorized for release by
David Fuller, Project Manager
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(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-263382-1	WAN-PZ-33D	Water	04/07/25 15:05	04/09/25 10:29

Job ID: 680-263382-1 — Eurofins Savannah

Job Narrative
680-263382-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The sample was received on 4/9/2025 10:29 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

HPLC/IC
Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-880602 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 680-880602 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: WAN-PZ-33D (680-263382-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C: A lesser volume of sample was used for the following sample due to the nature of the sample matrix resulting in elevated reporting limits: WAN-PZ-33D (680-263382-1)

Method SM4500_S2_F: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-880773 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263382-1

Client Sample ID: WAN-PZ-33D

Lab Sample ID: 680-263382-1

Date Collected: 04/07/25 15:05

Matrix: Water

Date Received: 04/09/25 10:29

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**530**		50	10	mg/L			04/10/25 15:57	50
Fluoride	<2.0		5.0	2.0	mg/L			04/10/25 15:57	50
Sulfate	**330**		50	20	mg/L			04/10/25 15:57	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.3**		0.80	0.22	mg/L		04/10/25 05:34	04/16/25 13:32	10
Calcium	**310**		0.50	0.14	mg/L		04/10/25 05:34	04/10/25 14:38	1
Iron	**3.0**		0.050	0.012	mg/L		04/10/25 05:34	04/10/25 14:38	1
Lithium	**0.091**		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:46	1
Magnesium	**34**		0.50	0.023	mg/L		04/10/25 05:34	04/10/25 14:38	1
Manganese	**2.2**		0.0050	0.0022	mg/L		04/10/25 05:34	04/10/25 14:38	1
Potassium	**3.4**		0.50	0.044	mg/L		04/10/25 05:34	04/10/25 14:38	1
Sodium	**46**		0.50	0.20	mg/L		04/10/25 05:34	04/10/25 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**75**		5.0	5.0	mg/L			04/14/25 15:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**75**		5.0	5.0	mg/L			04/14/25 15:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			04/14/25 15:37	1
Total Dissolved Solids (SM 2540C-2011)	**1500**		40	40	mg/L			04/09/25 15:10	1
Sulfide (SM 4500 S2 F-2011)	<0.81	F1	0.81	0.81	mg/L			04/14/25 11:25	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-880602/2
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			04/10/25 11:58	1
Fluoride	<0.040		0.10	0.040	mg/L			04/10/25 11:58	1
Sulfate	<0.40		1.0	0.40	mg/L			04/10/25 11:58	1

Lab Sample ID: LCS 680-880602/3
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.74		mg/L		97	90 - 110
Fluoride	2.00	1.87		mg/L		93	90 - 110
Sulfate	10.0	9.09		mg/L		91	90 - 110

Lab Sample ID: LCSD 680-880602/4
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	11.0		mg/L		110	90 - 110	12	15
Fluoride	2.00	2.11		mg/L		105	90 - 110	12	15
Sulfate	10.0	10.3		mg/L		103	90 - 110	12	15

Lab Sample ID: 752-31366-A-11 MS
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.6	F1	10.0	19.5		mg/L		119	80 - 120
Fluoride	0.041	J	2.00	2.10		mg/L		103	80 - 120
Sulfate	3.2		10.0	13.4		mg/L		102	80 - 120

Lab Sample ID: 752-31366-A-11 MSD
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.6	F1	10.0	20.2	E F1	mg/L		125	80 - 120	3	15
Fluoride	0.041	J	2.00	2.16		mg/L		106	80 - 120	3	15
Sulfate	3.2		10.0	13.8		mg/L		106	80 - 120	3	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		04/10/25 05:34	04/11/25 07:51	1
Calcium	<0.14		0.50	0.14	mg/L		04/10/25 05:34	04/11/25 07:51	1
Iron	<0.012		0.050	0.012	mg/L		04/10/25 05:34	04/11/25 07:51	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.023		0.50	0.023	mg/L		04/10/25 05:34	04/11/25 07:51	1
Manganese	<0.0022		0.0050	0.0022	mg/L		04/10/25 05:34	04/11/25 07:51	1
Potassium	<0.044		0.50	0.044	mg/L		04/10/25 05:34	04/11/25 07:51	1
Sodium	<0.20		0.50	0.20	mg/L		04/10/25 05:34	04/11/25 07:51	1

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:28	1

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.368		mg/L		92	80 - 120
Calcium	5.00	5.04		mg/L		101	80 - 120
Iron	5.00	5.01		mg/L		100	80 - 120
Magnesium	5.00	4.82		mg/L		96	80 - 120
Manganese	0.400	0.398		mg/L		100	80 - 120
Potassium	7.00	6.93		mg/L		99	80 - 120
Sodium	5.00	5.07		mg/L		101	80 - 120

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.525		mg/L		105	80 - 120

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.022		0.400	0.392		mg/L		98	75 - 125
Calcium	100		5.00	94.2	4	mg/L		-184	75 - 125
Iron	0.46		5.00	5.21		mg/L		95	75 - 125
Magnesium	3.4		5.00	7.58		mg/L		84	75 - 125
Manganese	0.054		0.400	0.430		mg/L		94	75 - 125
Potassium	470	E	7.00	419	4	mg/L		-771	75 - 125
Sodium	390		5.00	348	4	mg/L		-791	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0020		0.500	0.497		mg/L		99	75 - 125

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.400	0.397		mg/L		99	75 - 125	1	20
Calcium	100		5.00	98.0	4	mg/L		-109	75 - 125	4	20
Iron	0.46		5.00	5.38		mg/L		98	75 - 125	3	20
Magnesium	3.4		5.00	7.73		mg/L		87	75 - 125	2	20
Manganese	0.054		0.400	0.438		mg/L		96	75 - 125	2	20
Potassium	470	E	7.00	444	4	mg/L		-403	75 - 125	6	20
Sodium	390		5.00	368	4	mg/L		-389	75 - 125	6	20

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.490		mg/L		98	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-880876/4
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1

Lab Sample ID: LCS 680-880876/6
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	245		mg/L		98	90 - 112

Lab Sample ID: LCSD 680-880876/31
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	248		mg/L		99	90 - 112	1	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: 680-263379-B-1 DU
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	86		83.9		mg/L		2	30
Bicarbonate Alkalinity as CaCO3	86		83.9		mg/L		2	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-880537/1
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/25 15:10	1

Lab Sample ID: LCS 680-880537/2
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2440	2390		mg/L		98	80 - 120

Lab Sample ID: LCSD 680-880537/3
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2440	2410		mg/L		99	80 - 120	1	25

Lab Sample ID: 680-263379-A-1 DU
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1700		1800	F3	mg/L		7	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-880773/1
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			04/14/25 11:24	1

Lab Sample ID: LCS 680-880773/2
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	10.0	9.83		mg/L		98	75 - 125

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCSD 680-880773/3
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	9.26		mg/L		93	75 - 125	6	30

Lab Sample ID: 680-263382-1 MS
Matrix: Water
Analysis Batch: 880773

Client Sample ID: WAN-PZ-33D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125		

Lab Sample ID: 680-263382-1 MSD
Matrix: Water
Analysis Batch: 880773

Client Sample ID: WAN-PZ-33D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125	0	30

Lab Sample ID: 680-263379-E-1 DU
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	<0.83		<0.81		mg/L		NC	30

HPLC/IC

Analysis Batch: 880602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	300.0-1993 R2.1	
MB 680-880602/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-880602/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-880602/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 880550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	3005A	
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 880666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	6020B	880550

General Chemistry

Analysis Batch: 880537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	2540C-2011	
MB 680-880537/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-880537/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-880537/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-263379-A-1 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 880773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	4500 S2 F-2011	
MB 680-880773/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-880773/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	

General Chemistry (Continued)

Analysis Batch: 880773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-880773/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-263382-1 MS	WAN-PZ-33D	Total/NA	Water	4500 S2 F-2011	
680-263382-1 MSD	WAN-PZ-33D	Total/NA	Water	4500 S2 F-2011	
680-263379-E-1 DU	Duplicate	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 880876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	2320B-2011	
MB 680-880876/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-880876/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-880876/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-263379-B-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-PZ-33D
Lab Sample ID: 680-263382-1
Date Collected: 04/07/25 15:05
Matrix: Water
Date Received: 04/09/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		50	2 mL	2 mL	880602	04/10/25 15:57	AF	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:38	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880984	04/16/25 13:32	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	2320B-2011		1			880876	04/14/25 15:37	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	880537	04/09/25 15:10	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	880773	04/14/25 11:25	NVF	EET SAV
	Instrument ID: NoEquip									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263382-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Goble ACC	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 1
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days): HOLD per client direction			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004 / PO Line #1			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Task_Code: WAN-CCR-OTH-2025 0407

Special Instructions/Note: Full APP III and Specified Parameters

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=equality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - App. III & Specified Metals (B, Ca; Li, Fe, Mg, Mn, K, Na)	300_ORGFM_28D - Chloride Fluoride Sulfate	2540C - Total Dissolved Solids (TDS)	2320B - Carbonate, Bicarbonate, Total Alkalinity	SM 4500 S2 F - Sulfide	Total Number of containers
			Preservation Code:				D	N	N	I	B, C	
WAN-PZ-33D	04/07/25	1505	G	WG	N	N	✓	✓	✓	✓	✓	6

680-263382 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Taylor Hall	4-8-25/0942	ACC		4.8.25 0942	
Relinquished by: Anna Neal	Date/Time: 4-8-25 1247	Company	Received by:	Date/Time: 4-9-25 1029	Company TR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1 # 2665 1.3/1.3

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-263382-1

Login Number: 263382

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 6/11/2025 11:55:21 AM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-264577-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
6/11/2025 11:55:21 AM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-264577-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Job ID: 680-264577-1
Project/Site: Plant Wansley - Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-264577-1	WAN-PZ-23D	Water	06/04/25 11:07	06/05/25 09:28

Job ID: 680-264577-1 — Eurofins Savannah

Job Narrative
680-264577-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The sample was received on 6/5/2025 9:28 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C: A lesser volume of sample was used for the following samples due to the nature of the sample matrix resulting in elevated reporting limits: WAN-PZ-23D (680-264577-1),

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-264577-1

Client Sample ID: WAN-PZ-23D
Date Collected: 06/04/25 11:07
Date Received: 06/05/25 09:28

Lab Sample ID: 680-264577-1
Matrix: Water

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11	F1	1.0	0.20	mg/L			06/09/25 15:12	1
Fluoride	2.8		0.10	0.040	mg/L			06/09/25 15:12	1
Sulfate	58		1.0	0.40	mg/L			06/09/25 15:12	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.38		0.080	0.022	mg/L		06/06/25 04:59	06/06/25 14:52	1
Calcium	33		0.50	0.14	mg/L		06/06/25 04:59	06/06/25 14:52	1
Lithium	0.065		0.0050	0.0020	mg/L		06/06/25 04:59	06/09/25 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	69		5.0	5.0	mg/L			06/09/25 16:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	69		5.0	5.0	mg/L			06/09/25 16:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			06/09/25 16:10	1
Total Dissolved Solids (SM 2540C-2011)	190		40	40	mg/L			06/09/25 13:11	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			06/09/25 14:00	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-883377/2
Matrix: Water
Analysis Batch: 883377

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			06/09/25 11:57	1
Fluoride	<0.040		0.10	0.040	mg/L			06/09/25 11:57	1
Sulfate	<0.40		1.0	0.40	mg/L			06/09/25 11:57	1

Lab Sample ID: LCS 680-883377/3
Matrix: Water
Analysis Batch: 883377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	10.9		mg/L		109	90 - 110		
Fluoride			2.00	2.17		mg/L		108	90 - 110		
Sulfate			10.0	10.7		mg/L		107	90 - 110		

Lab Sample ID: LCSD 680-883377/4
Matrix: Water
Analysis Batch: 883377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	10.7		mg/L		107	90 - 110	1	15
Fluoride			2.00	2.03		mg/L		102	90 - 110	6	15
Sulfate			10.0	10.7		mg/L		107	90 - 110	0	15

Lab Sample ID: 680-264577-1 MS
Matrix: Water
Analysis Batch: 883377

Client Sample ID: WAN-PZ-23D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	11	F1	10.0	23.6	E F1	mg/L		131	80 - 120		
Fluoride	2.8		2.00	4.87		mg/L		106	80 - 120		
Sulfate	58		10.0	71.2	E 4	mg/L		136	80 - 120		

Lab Sample ID: 680-264577-1 MSD
Matrix: Water
Analysis Batch: 883377

Client Sample ID: WAN-PZ-23D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11	F1	10.0	23.4	E F1	mg/L		129	80 - 120	1	15
Fluoride	2.8		2.00	4.96		mg/L		111	80 - 120	2	15
Sulfate	58		10.0	73.8	E 4	mg/L		163	80 - 120	4	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-883280/1-A
Matrix: Water
Analysis Batch: 883361

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		06/05/25 13:28	06/06/25 14:29	1
Calcium	<0.14		0.50	0.14	mg/L		06/05/25 13:28	06/06/25 14:29	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-883280/1-A
Matrix: Water
Analysis Batch: 883415

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		06/05/25 13:28	06/09/25 13:39	1

Lab Sample ID: LCS 680-883280/2-A
Matrix: Water
Analysis Batch: 883361

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.410		mg/L		102	80 - 120
Calcium	5.00	5.28		mg/L		106	80 - 120

Lab Sample ID: LCS 680-883280/2-A
Matrix: Water
Analysis Batch: 883415

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.543		mg/L		109	80 - 120

Lab Sample ID: 680-264567-G-1-B MS
Matrix: Water
Analysis Batch: 883361

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.2		0.400	1.62		mg/L		112	75 - 125
Calcium	66		5.00	73.3	4	mg/L		139	75 - 125

Lab Sample ID: 680-264567-G-1-B MS
Matrix: Water
Analysis Batch: 883415

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.049		0.500	0.587		mg/L		108	75 - 125

Lab Sample ID: 680-264567-G-1-C MSD
Matrix: Water
Analysis Batch: 883361

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.2		0.400	1.65		mg/L		120	75 - 125	2	20
Calcium	66		5.00	72.7	4	mg/L		126	75 - 125	1	20

Lab Sample ID: 680-264567-G-1-C MSD
Matrix: Water
Analysis Batch: 883415

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 883280

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	0.049		0.500	0.576		mg/L		105	75 - 125	2	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-883439/4
Matrix: Water
Analysis Batch: 883439

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			06/09/25 15:44	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			06/09/25 15:44	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			06/09/25 15:44	1

Lab Sample ID: LCS 680-883439/6
Matrix: Water
Analysis Batch: 883439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	251		mg/L		100	90 - 112		

Lab Sample ID: LCSD 680-883439/31
Matrix: Water
Analysis Batch: 883439

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	259		mg/L		104	90 - 112	3	30

Lab Sample ID: 680-264577-1 DU
Matrix: Water
Analysis Batch: 883439

Client Sample ID: WAN-PZ-23D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	69			68.5		mg/L				0.4	30
Bicarbonate Alkalinity as CaCO3	69			68.5		mg/L				0.4	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-883386/1
Matrix: Water
Analysis Batch: 883386

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			06/09/25 13:11	1

Lab Sample ID: LCS 680-883386/2
Matrix: Water
Analysis Batch: 883386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2400		mg/L		98	80 - 120		

Lab Sample ID: LCSD 680-883386/3
Matrix: Water
Analysis Batch: 883386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2420		mg/L		99	80 - 120	1	25

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: 680-264628-B-1 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883386

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	460		436		mg/L		4	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-883394/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			06/09/25 14:00	1

Lab Sample ID: LCS 680-883394/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	10.0	9.02		mg/L		90	75 - 125

Lab Sample ID: LCSD 680-883394/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	10.0	9.18		mg/L		92	75 - 125	2	30

Lab Sample ID: 680-264577-1 MS — **Client Sample ID: WAN-PZ-23D**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.81		6.50	7.67		mg/L		118	75 - 125

Lab Sample ID: 680-264577-1 MSD — **Client Sample ID: WAN-PZ-23D**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.81		6.50	7.67		mg/L		118	75 - 125	0	30

Lab Sample ID: 680-264559-D-6 DU — **Client Sample ID: Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 883394

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	<0.96		<0.96		mg/L		NC	30

HPLC/IC

Analysis Batch: 883377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-264577-1	WAN-PZ-23D	Total/NA	Water	300.0-1993 R2.1	
MB 680-883377/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-883377/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-883377/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-264577-1 MS	WAN-PZ-23D	Total/NA	Water	300.0-1993 R2.1	
680-264577-1 MSD	WAN-PZ-23D	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 883280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-264577-1	WAN-PZ-23D	Total Recoverable	Water	3005A	
MB 680-883280/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-883280/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-264567-G-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-264567-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 883361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-264577-1	WAN-PZ-23D	Total Recoverable	Water	6020B	883280
MB 680-883280/1-A	Method Blank	Total Recoverable	Water	6020B	883280
LCS 680-883280/2-A	Lab Control Sample	Total Recoverable	Water	6020B	883280
680-264567-G-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	883280
680-264567-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	883280

Analysis Batch: 883415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-264577-1	WAN-PZ-23D	Total Recoverable	Water	6020B	883280
MB 680-883280/1-A	Method Blank	Total Recoverable	Water	6020B	883280
LCS 680-883280/2-A	Lab Control Sample	Total Recoverable	Water	6020B	883280
680-264567-G-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	883280
680-264567-G-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	883280

General Chemistry

Analysis Batch: 883386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-264577-1	WAN-PZ-23D	Total/NA	Water	2540C-2011	
MB 680-883386/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-883386/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-883386/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-264628-B-1 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 883394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-264577-1	WAN-PZ-23D	Total/NA	Water	4500 S2 F-2011	
MB 680-883394/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-883394/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-883394/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-264577-1 MS	WAN-PZ-23D	Total/NA	Water	4500 S2 F-2011	
680-264577-1 MSD	WAN-PZ-23D	Total/NA	Water	4500 S2 F-2011	
680-264559-D-6 DU	Duplicate	Total/NA	Water	4500 S2 F-2011	

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-264577-1

General Chemistry

Analysis Batch: 883439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-264577-1	WAN-PZ-23D	Total/NA	Water	2320B-2011	
MB 680-883439/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-883439/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-883439/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-264577-1 DU	WAN-PZ-23D	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Job ID: 680-264577-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-PZ-23D
Lab Sample ID: 680-264577-1

Date Collected: 06/04/25 11:07
Matrix: Water
Date Received: 06/05/25 09:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	883377	06/09/25 15:12	TD	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/06/25 04:59	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883361	06/06/25 14:52	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	883280	06/06/25 04:59	RR	EET SAV
Total Recoverable	Analysis	6020B		1			883415	06/09/25 13:52	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Analysis	2320B-2011		1			883439	06/09/25 16:10	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	883386	06/09/25 13:11	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	883394	06/09/25 14:00	NVF	EET SAV
	Instrument ID: NoEquip									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-264577-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-264577-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Joshua May ACC	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 1
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days): 5-day TAT			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004 / PO Line #1			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Task_Code: WAN-CCR-OTH-2025 0004
Special Instructions/Note: Full APP III and Specified Parameters

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - App. III & Specified Metals (B, Ca; Li)	300_ORGFM_28D - Chloride Fluoride Sulfate	2540C - Total Dissolved Solids (TDS)	2320B - Carbonate, Bicarbonate, Total Alkalinity	SM 4500 S2 F - Sulfide	Total Number of containers
			Preservation Code:				D	N	N	I	B, C	
WAN-PZ-23D	06-04-25	1107	G	WG	N	N	X	X	X	X	X	6

680-264577 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		06-04-25 1346	ACC		6.4.25 1346	
2		6/4/25 1700			6 5 25 925	
3						

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.9 # 2665 C1 3.7/3.7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-264577-1

Login Number: 264577

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 3/18/2025 7:55:28 AM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-261849-2

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
3/18/2025 7:55:28 AM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-261849-2
Project/Site: Plant Wansley - Ash Pond

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Job ID: 680-261849-2
Project/Site: Plant Wansley - Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-261849-1	WAN-WGWC-17	Water	02/11/25 13:27	02/13/25 10:28
680-261849-2	WAN-AP1-FD-01	Water	02/11/25 00:00	02/13/25 10:28
680-261849-3	WAN-AP1-FB-07	Water	02/11/25 13:50	02/13/25 10:28
680-261849-4	WAN-WGWA-1	Water	02/10/25 16:50	02/13/25 10:28
680-261849-5	WAN-WGWA-2	Water	02/10/25 16:25	02/13/25 10:28
680-261849-6	WAN-WGWA-3	Water	02/10/25 16:46	02/13/25 10:28
680-261849-7	WAN-WGWA-4	Water	02/11/25 10:05	02/13/25 10:28
680-261849-8	WAN-WGWA-6	Water	02/11/25 11:35	02/13/25 10:28
680-261849-9	WAN-WGWA-7	Water	02/11/25 13:20	02/13/25 10:28
680-261849-10	WAN-WGWA-18	Water	02/11/25 11:15	02/13/25 10:28
680-261849-11	WAN-WGWC-8	Water	02/11/25 14:50	02/13/25 10:28
680-261849-12	WAN-WGWC-9	Water	02/11/25 16:06	02/13/25 10:28
680-261849-13	WAN-WGWC-11	Water	02/11/25 16:08	02/13/25 10:28
680-261849-14	WAN-WGWC-12	Water	02/11/25 14:50	02/13/25 10:28

Job ID: 680-261849-2 — Eurofins Savannah

Job Narrative
680-261849-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 2/13/2025 10:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.2°C, 0.6°C, 3.5°C, 3.8°C, 3.8°C and 4.2°C.

Gas Flow Proportional Counter
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-261849-1

Date Collected: 02/11/25 13:27

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.161	U	0.141	0.142	1.00	0.213	pCi/L	02/18/25 10:00	03/14/25 07:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*02/18/25 10:00*	*03/14/25 07:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.478	U	0.519	0.521	1.00	0.848	pCi/L	02/18/25 10:04	03/12/25 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.6*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:17*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:17*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.639	U	0.538	0.540	2.00	0.848	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-261849-2

Date Collected: 02/11/25 00:00

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160	U	0.136	0.137	1.00	0.204	pCi/L	02/18/25 10:00	03/14/25 07:37	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*02/18/25 10:00*	*03/14/25 07:37*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.50**		0.548	0.565	1.00	0.692	pCi/L	02/18/25 10:04	03/12/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*
Y Carrier	*87.5*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-261849-2

Date Collected: 02/11/25 00:00
Matrix: Water
Date Received: 02/13/25 10:28

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.66		0.565	0.581	2.00	0.692	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-261849-3

Date Collected: 02/11/25 13:50
Matrix: Water
Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0352	U	0.118	0.118	1.00	0.247	pCi/L	02/18/25 10:00	03/14/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/18/25 10:00*	*03/14/25 09:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.00		0.525	0.534	1.00	0.739	pCi/L	02/18/25 10:04	03/12/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*
Y Carrier	*84.5*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.968		0.538	0.547	2.00	0.739	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-261849-4

Date Collected: 02/10/25 16:50
Matrix: Water
Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0167	U	0.101	0.101	1.00	0.200	pCi/L	02/18/25 10:00	03/14/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/18/25 10:00*	*03/14/25 09:25*	*1*

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-261849-4

Date Collected: 02/10/25 16:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.57		0.580	0.598	1.00	0.728	pCi/L	02/18/25 10:04	03/12/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*
Y Carrier	*86.0*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.59		0.589	0.606	2.00	0.728	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-261849-5

Date Collected: 02/10/25 16:25

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0474	U	0.109	0.109	1.00	0.199	pCi/L	02/18/25 10:00	03/14/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*02/18/25 10:00*	*03/14/25 09:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.405	U	0.443	0.445	1.00	0.722	pCi/L	02/18/25 10:04	03/12/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:19*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.453	U	0.456	0.458	2.00	0.722	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-261849-6

Date Collected: 02/10/25 16:46

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.158	U	0.132	0.133	1.00	0.195	pCi/L	02/18/25 10:00	03/14/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*02/18/25 10:00*	*03/14/25 09:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.989**		0.508	0.516	1.00	0.699	pCi/L	02/18/25 10:04	03/12/25 14:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.8*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:20*	*1*
Y Carrier	*80.4*		*30 - 110*	*02/18/25 10:04*	*03/12/25 14:20*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.15**		0.525	0.533	2.00	0.699	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-261849-7

Date Collected: 02/11/25 10:05

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.613**		0.219	0.226	1.00	0.221	pCi/L	02/18/25 10:40	03/14/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.83**		0.598	0.621	1.00	0.656	pCi/L	02/18/25 10:39	03/12/25 14:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.1*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:21*	*1*
Y Carrier	*80.4*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:21*	*1*

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-261849-7

Date Collected: 02/11/25 10:05
Matrix: Water
Date Received: 02/13/25 10:28

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.44		0.637	0.661	2.00	0.656	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-261849-8

Date Collected: 02/11/25 11:35
Matrix: Water
Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	3.23		0.476	0.558	1.00	0.247	pCi/L	02/18/25 10:40	03/14/25 09:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.1*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:25*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	9.84		1.34	1.62	1.00	0.896	pCi/L	02/18/25 10:39	03/12/25 14:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.1*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:21*	*1*
Y Carrier	*76.3*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:21*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	13.1		1.42	1.71	2.00	0.896	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-261849-9

Date Collected: 02/11/25 13:20
Matrix: Water
Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0672	U	0.117	0.117	1.00	0.206	pCi/L	02/18/25 10:40	03/14/25 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:34*	*1*

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-261849-9

Date Collected: 02/11/25 13:20

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.632	U	0.455	0.459	1.00	0.682	pCi/L	02/18/25 10:39	03/12/25 14:21	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.1*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:21*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:21*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.699**		0.470	0.474	2.00	0.682	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-261849-10

Date Collected: 02/11/25 11:15

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.195	U	0.149	0.150	1.00	0.214	pCi/L	02/18/25 10:40	03/14/25 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.189	U	0.412	0.412	1.00	0.720	pCi/L	02/18/25 10:39	03/12/25 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.8*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*
Y Carrier	*88.6*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.383	U	0.438	0.438	2.00	0.720	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-261849-11

Date Collected: 02/11/25 14:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.484		0.199	0.204	1.00	0.228	pCi/L	02/18/25 10:40	03/14/25 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.97		0.685	0.738	1.00	0.713	pCi/L	02/18/25 10:39	03/12/25 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.8*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*
Y Carrier	*85.6*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	3.46		0.713	0.766	2.00	0.713	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-261849-12

Date Collected: 02/11/25 16:06

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0327	U	0.104	0.104	1.00	0.231	pCi/L	02/18/25 10:40	03/14/25 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.45		0.655	0.693	1.00	0.672	pCi/L	02/18/25 10:39	03/12/25 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-261849-12

Date Collected: 02/11/25 16:06

Matrix: Water

Date Received: 02/13/25 10:28

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.41		0.663	0.701	2.00	0.672	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-261849-13

Date Collected: 02/11/25 16:08

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0874	U	0.132	0.132	1.00	0.225	pCi/L	02/18/25 10:40	03/14/25 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:34*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.20		0.507	0.519	1.00	0.658	pCi/L	02/18/25 10:39	03/12/25 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.28		0.524	0.536	2.00	0.658	pCi/L		03/17/25 12:55	1

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-261849-14

Date Collected: 02/11/25 14:50

Matrix: Water

Date Received: 02/13/25 10:28

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.113	U	0.142	0.142	1.00	0.235	pCi/L	02/18/25 10:40	03/14/25 09:34	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*02/18/25 10:40*	*03/14/25 09:34*	*1*

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Client Sample ID: WAN-WGWC-12

Date Collected: 02/11/25 14:50
Date Received: 02/13/25 10:28

Lab Sample ID: 680-261849-14

Matrix: Water

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.779		0.503	0.508	1.00	0.749	pCi/L	02/18/25 10:39	03/12/25 14:23	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*
Y Carrier	*86.4*		*30 - 110*	*02/18/25 10:39*	*03/12/25 14:23*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.892		0.523	0.527	2.00	0.749	pCi/L		03/17/25 12:55	1

Tracer/Carrier Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
500-263924-D-2-B MS	Matrix Spike	90.0
500-263924-E-2-A MSD	Matrix Spike Duplicate	91.5
680-261849-1	WAN-WGWC-17	86.6
680-261849-2	WAN-AP1-FD-01	92.5
680-261849-3	WAN-AP1-FB-07	86.8
680-261849-4	WAN-WGWA-1	86.8
680-261849-5	WAN-WGWA-2	89.1
680-261849-6	WAN-WGWA-3	87.8
680-261849-7	WAN-WGWA-4	81.1
680-261849-8	WAN-WGWA-6	71.1
680-261849-9	WAN-WGWA-7	85.1
680-261849-10	WAN-WGWA-18	81.8
680-261849-11	WAN-WGWC-8	92.8
680-261849-12	WAN-WGWC-9	84.1
680-261849-13	WAN-WGWC-11	90.8
680-261849-14	WAN-WGWC-12	84.8
LCS 160-703466/2-A	Lab Control Sample	84.6
MB 160-703466/1-A	Method Blank	90.0

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
500-263924-D-2-D MS	Matrix Spike	90.0	83.4
500-263924-E-2-B MSD	Matrix Spike Duplicate	91.5	87.1
680-261849-1	WAN-WGWC-17	86.6	84.1
680-261849-2	WAN-AP1-FD-01	92.5	87.5
680-261849-3	WAN-AP1-FB-07	86.8	84.5
680-261849-4	WAN-WGWA-1	86.8	86.0
680-261849-5	WAN-WGWA-2	89.1	81.5
680-261849-6	WAN-WGWA-3	87.8	80.4
680-261849-7	WAN-WGWA-4	81.1	80.4
680-261849-8	WAN-WGWA-6	71.1	76.3
680-261849-9	WAN-WGWA-7	85.1	83.0
680-261849-10	WAN-WGWA-18	81.8	88.6
680-261849-11	WAN-WGWC-8	92.8	85.6
680-261849-12	WAN-WGWC-9	84.1	86.7
680-261849-13	WAN-WGWC-11	90.8	85.2
680-261849-14	WAN-WGWC-12	84.8	86.4
LCS 160-703468/2-A	Lab Control Sample	84.6	85.2
MB 160-703468/1-A	Method Blank	90.0	85.6

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-703466/1-A
Matrix: Water
Analysis Batch: 707648

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703466

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.2189		0.144	0.145	1.00	0.196	pCi/L	02/18/25 10:00	03/14/25 07:43	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/18/25 10:00*	*03/14/25 07:43*	*1*

Lab Sample ID: LCS 160-703466/2-A
Matrix: Water
Analysis Batch: 707648

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703466

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.683		0.992	1.00	0.249	pCi/L	80	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*84.6*		*30 - 110*

Lab Sample ID: 500-263924-D-2-B MS
Matrix: Water
Analysis Batch: 707648

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 703466

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226	0.137	U	9.57	7.940		0.989	1.00	0.269	pCi/L	82	60 - 140		

Carrier	*MS %Yield*	*MS Qualifier*	*Limits*
Ba Carrier	*90.0*		*30 - 110*

Lab Sample ID: 500-263924-E-2-A MSD
Matrix: Water
Analysis Batch: 707649

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 703466

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	0.137	U	9.61	8.438		1.02	1.00	0.242	pCi/L	86	60 - 140	0.25	1

Carrier	*MSD %Yield*	*MSD Qualifier*	*Limits*
Ba Carrier	*91.5*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-703468/1-A
Matrix: Water
Analysis Batch: 707379

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703468

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4135	U	0.440	0.442	1.00	0.716	pCi/L	02/18/25 10:04	03/12/25 14:15	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110	02/18/25 10:04	03/12/25 14:15	1
Y Carrier	85.6		30 - 110	02/18/25 10:04	03/12/25 14:15	1

Lab Sample ID: LCS 160-703468/2-A
Matrix: Water
Analysis Batch: 707379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703468

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.03	9.745		1.45	1.00	0.666	pCi/L	121	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.6		30 - 110
Y Carrier	85.2		30 - 110

Lab Sample ID: 500-263924-D-2-D MS
Matrix: Water
Analysis Batch: 707379

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 703468

Analyte	Sample Result	Sample Qual	Spike Added	MS Result	MS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228	0.492	U	8.02	8.932		1.37	1.00	0.745	pCi/L	105	60 - 140		

Carrier	MS %Yield	MS Qualifier	Limits
Ba Carrier	90.0		30 - 110
Y Carrier	83.4		30 - 110

Lab Sample ID: 500-263924-E-2-B MSD
Matrix: Water
Analysis Batch: 707379

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 703468

Analyte	Sample Result	Sample Qual	Spike Added	MSD Result	MSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	0.492	U	8.05	8.128		1.25	1.00	0.622	pCi/L	95	60 - 140	0.31	1

Carrier	MSD %Yield	MSD Qualifier	Limits
Ba Carrier	91.5		30 - 110
Y Carrier	87.1		30 - 110

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Rad

Prep Batch: 703466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	PrecSep-21	
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	PrecSep-21	
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	PrecSep-21	
680-261849-4	WAN-WGWA-1	Total/NA	Water	PrecSep-21	
680-261849-5	WAN-WGWA-2	Total/NA	Water	PrecSep-21	
680-261849-6	WAN-WGWA-3	Total/NA	Water	PrecSep-21	
680-261849-7	WAN-WGWA-4	Total/NA	Water	PrecSep-21	
680-261849-8	WAN-WGWA-6	Total/NA	Water	PrecSep-21	
680-261849-9	WAN-WGWA-7	Total/NA	Water	PrecSep-21	
680-261849-10	WAN-WGWA-18	Total/NA	Water	PrecSep-21	
680-261849-11	WAN-WGWC-8	Total/NA	Water	PrecSep-21	
680-261849-12	WAN-WGWC-9	Total/NA	Water	PrecSep-21	
680-261849-13	WAN-WGWC-11	Total/NA	Water	PrecSep-21	
680-261849-14	WAN-WGWC-12	Total/NA	Water	PrecSep-21	
MB 160-703466/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-703466/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-263924-D-2-B MS	Matrix Spike	Total/NA	Water	PrecSep-21	
500-263924-E-2-A MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 703468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261849-1	WAN-WGWC-17	Total/NA	Water	PrecSep_0	
680-261849-2	WAN-AP1-FD-01	Total/NA	Water	PrecSep_0	
680-261849-3	WAN-AP1-FB-07	Total/NA	Water	PrecSep_0	
680-261849-4	WAN-WGWA-1	Total/NA	Water	PrecSep_0	
680-261849-5	WAN-WGWA-2	Total/NA	Water	PrecSep_0	
680-261849-6	WAN-WGWA-3	Total/NA	Water	PrecSep_0	
680-261849-7	WAN-WGWA-4	Total/NA	Water	PrecSep_0	
680-261849-8	WAN-WGWA-6	Total/NA	Water	PrecSep_0	
680-261849-9	WAN-WGWA-7	Total/NA	Water	PrecSep_0	
680-261849-10	WAN-WGWA-18	Total/NA	Water	PrecSep_0	
680-261849-11	WAN-WGWC-8	Total/NA	Water	PrecSep_0	
680-261849-12	WAN-WGWC-9	Total/NA	Water	PrecSep_0	
680-261849-13	WAN-WGWC-11	Total/NA	Water	PrecSep_0	
680-261849-14	WAN-WGWC-12	Total/NA	Water	PrecSep_0	
MB 160-703468/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-703468/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-263924-D-2-D MS	Matrix Spike	Total/NA	Water	PrecSep_0	
500-263924-E-2-B MSD	Matrix Spike Duplicate	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Client Sample ID: WAN-WGWC-17

Lab Sample ID: 680-261849-1

Date Collected: 02/11/25 13:27

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.36 mL	1.0 g	703466	02/18/25 10:00	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 07:37	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1002.36 mL	1.0 g	703468	02/18/25 10:04	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:17	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-FD-01

Lab Sample ID: 680-261849-2

Date Collected: 02/11/25 00:00

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.92 mL	1.0 g	703466	02/18/25 10:00	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 07:37	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.92 mL	1.0 g	703468	02/18/25 10:04	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:19	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-FB-07

Lab Sample ID: 680-261849-3

Date Collected: 02/11/25 13:50

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.57 mL	1.0 g	703466	02/18/25 10:00	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 09:25	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			999.57 mL	1.0 g	703468	02/18/25 10:04	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:19	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-261849-4

Date Collected: 02/10/25 16:50

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.29 mL	1.0 g	703466	02/18/25 10:00	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 09:25	FLC	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Client Sample ID: WAN-WGWA-1

Lab Sample ID: 680-261849-4

Date Collected: 02/10/25 16:50
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			996.29 mL	1.0 g	703468	02/18/25 10:04	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:19	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWA-2

Lab Sample ID: 680-261849-5

Date Collected: 02/10/25 16:25
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.61 mL	1.0 g	703466	02/18/25 10:00	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 09:25	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			998.61 mL	1.0 g	703468	02/18/25 10:04	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:19	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWA-3

Lab Sample ID: 680-261849-6

Date Collected: 02/10/25 16:46
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.91 mL	1.0 g	703466	02/18/25 10:00	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 09:25	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.91 mL	1.0 g	703468	02/18/25 10:04	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:20	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-261849-7

Date Collected: 02/11/25 10:05
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.80 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 09:25	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.80 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:21	SWS	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Client Sample ID: WAN-WGWA-4

Lab Sample ID: 680-261849-7

Date Collected: 02/11/25 10:05
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL

Client Sample ID: WAN-WGWA-6

Lab Sample ID: 680-261849-8

Date Collected: 02/11/25 11:35
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.07 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707649	03/14/25 09:25	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1001.07 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:21	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWA-7

Lab Sample ID: 680-261849-9

Date Collected: 02/11/25 13:20
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.26 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707648	03/14/25 09:34	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			994.26 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707379	03/12/25 14:21	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWA-18

Lab Sample ID: 680-261849-10

Date Collected: 02/11/25 11:15
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.66 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707648	03/14/25 09:34	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1003.66 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707381	03/12/25 14:23	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Client Sample ID: WAN-WGWC-8

Lab Sample ID: 680-261849-11

Date Collected: 02/11/25 14:50

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.88 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707648	03/14/25 09:34	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			999.88 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707381	03/12/25 14:23	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-9

Lab Sample ID: 680-261849-12

Date Collected: 02/11/25 16:06

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.85 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707648	03/14/25 09:34	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.85 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707381	03/12/25 14:23	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-11

Lab Sample ID: 680-261849-13

Date Collected: 02/11/25 16:08

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.59 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707648	03/14/25 09:34	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			993.59 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707381	03/12/25 14:23	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-12

Lab Sample ID: 680-261849-14

Date Collected: 02/11/25 14:50

Matrix: Water

Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.08 mL	1.0 g	703466	02/18/25 10:40	MLT	EET SL
Total/NA	Analysis	9315		1			707648	03/14/25 09:34	FLC	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Job ID: 680-261849-2
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-12
Lab Sample ID: 680-261849-14
Date Collected: 02/11/25 14:50
Matrix: Water
Date Received: 02/13/25 10:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1002.08 mL	1.0 g	703468	02/18/25 10:39	MLT	EET SL
Total/NA	Analysis	9320		1			707381	03/12/25 14:23	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708154	03/17/25 12:55	SCB	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-261849-2
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87689	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261849-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Eurofins Test America, Savannah
5102 LaRoche Ave
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: J. May, J. Berrsford, ACC D. Johnson	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 2
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Task_Code: WAN-CCR-ASSMT-2025S1

Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=equality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers
			Preservation Code:				D	I	D	D	I	B, C	D	
WAN- WGWC-17	02/11/25	1327	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- API-FD-01	02/11/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- API-FB-07	02/11/25	1350	G	WQ		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								
WAN-			G			N								

680-261849 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: d

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/12/25 0857	ACC		2-12-25 857	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				2/13/25 1028	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.1° 0.5° 2.3° 1.5° 3.2°

4.1/4.2 3.5/3.5 3.8/3.8 0.6/0.6 0.2/0.2 3.8/3.8

Eurofins Test America, Savannah
5102 LaRoche Ave
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: D. Johnson, ACC J. Beris Ford, J. May	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No: 1 of 2 ~~3~~
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 2 of 2
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Task_Code: WAN-CCR-ASSMT-2025S1

Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers
			Preservation Code:				D	I	D	D	I	B, C	D	
WAN- WGWA-1	02/10/25	1650	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-2	02/10/25	1625	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-3	02/10/25	1646	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-4	02/11/25	1005	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-6	02/11/25	1135	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-7	02/11/25	1320	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWA-18	02/11/25	1115	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-8	02/11/25	1450	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-9	02/11/25	1606	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-11	02/11/25	1608	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN- WGWC-12	02/11/25	1450	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/12/25 0857	ACI	Anna Neal	2-12-25 857	
2					2/13/25 1028	
3						

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.4/4.8 3.5/3.5 3.8/3.8 0.6/0.6 0.2/0.2 3.8/3.8

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794289.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-261849-2
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/14/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WGWC-17 (680-261849-1)	2/11/25	13:27 Eastern	G	Water			X	X	X	2	
WAN-AP1-FD-01 (680-261849-2)	2/11/25	Eastern	G	Water			X	X	X	2	
WAN-AP1-FB-07 (680-261849-3)	2/11/25	13:50 Eastern	G	Water			X	X	X	2	
WAN-WGWA-1 (680-261849-4)	2/10/25	16:50 Eastern	G	Water			X	X	X	2	
WAN-WGWA-2 (680-261849-5)	2/10/25	16:25 Eastern	G	Water			X	X	X	2	
WAN-WGWA-3 (680-261849-6)	2/10/25	16:46 Eastern	G	Water			X	X	X	2	
WAN-WGWA-4 (680-261849-7)	2/11/25	10:05 Eastern	G	Water			X	X	X	2	
WAN-WGWA-6 (680-261849-8)	2/11/25	11:35 Eastern	G	Water			X	X	X	2	
WAN-WGWA-7 (680-261849-9)	2/11/25	13:20 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	C. Munro	2/13/25 1550	Eurofins	M. Pinette	FEB 14 2025 0900	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794289.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida, State - Georgia		Job #: 680-261849-2
Address: 13715 Rider Trail North,	Due Date Requested: 3/14/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WGWA-18 (680-261849-10)	2/11/25	11:15 Eastern	G	Water			X	X	X	2	
WAN-WGWC-8 (680-261849-11)	2/11/25	14:50 Eastern	G	Water			X	X	X	2	
WAN-WGWC-9 (680-261849-12)	2/11/25	16:06 Eastern	G	Water			X	X	X	2	
WAN-WGWC-11 (680-261849-13)	2/11/25	16:08 Eastern	G	Water			X	X	X	2	
WAN-WGWC-12 (680-261849-14)	2/11/25	14:50 Eastern	G	Water			X	X	X	2	

Preservation Codes: -
Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	C. Mann	2/13/25 1550	Eurofins	M. Pinette	FEB 14 2025 0900	
2				Meadow Pinette		
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-261849-2

Login Number: 261849

List Source: Eurofins Savannah

List Number: 1

Creator: Johnson, Corey M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-261849-2

Login Number: 261849
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 02/14/25 11:06 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 3/18/2025 5:18:26 PM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-261943-3

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
3/18/2025 5:18:26 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-261943-3
Project/Site: Plant Wansley - Ash Pond

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Job ID: 680-261943-3
Project/Site: Plant Wansley - Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-261943-1	WAN-WGWC-13	Water	02/12/25 10:41	02/15/25 10:20
680-261943-2	WAN-WGWC-14A	Water	02/12/25 12:55	02/15/25 10:20
680-261943-3	WAN-WGWC-16	Water	02/12/25 14:00	02/15/25 10:20
680-261943-4	WAN-WGWC-20	Water	02/12/25 13:59	02/15/25 10:20
680-261943-5	WAN-WGWC-22	Water	02/12/25 13:52	02/15/25 10:20
680-261943-6	WAN-WGWC-25	Water	02/12/25 12:32	02/15/25 10:20
680-261943-7	WAN-WGWC-27	Water	02/12/25 11:32	02/15/25 10:20
680-261943-8	WAN-WGWC-28D	Water	02/12/25 10:22	02/15/25 10:20
680-261943-9	WAN-WAMW-1	Water	02/12/25 13:51	02/15/25 10:20
680-261943-10	WAN-WAMW-2	Water	02/12/25 11:24	02/15/25 10:20
680-261943-11	WAN-AP1-FD-02	Water	02/12/25 00:00	02/15/25 10:20
680-261943-12	WAN-AP1-FB-08	Water	02/12/25 14:20	02/15/25 10:20
680-261943-13	WAN-AP1-EB-01	Water	02/12/25 10:15	02/15/25 10:20
680-261943-14	WAN-WGWC-10	Water	02/13/25 10:25	02/15/25 10:20
680-261943-15	WAN-WGWC-15	Water	02/13/25 11:40	02/15/25 10:20
680-261943-16	WAN-WGWC-19	Water	02/13/25 09:45	02/15/25 10:20
680-261943-17	WAN-WGWC-21	Water	02/13/25 12:08	02/15/25 10:20
680-261943-18	WAN-WGWC-23	Water	02/13/25 16:35	02/15/25 10:20
680-261943-19	WAN-WGWC-24	Water	02/13/25 12:11	02/15/25 10:20
680-261943-20	WAN-PZ-26D	Water	02/13/25 13:20	02/15/25 10:20
680-261943-21	WAN-PZ-31	Water	02/13/25 13:15	02/15/25 10:20
680-261943-22	WAN-AP1-FD-03	Water	02/13/25 00:00	02/15/25 10:20
680-261943-23	WAN-AP1-FB-09	Water	02/13/25 13:40	02/15/25 10:20
680-261943-24	WAN-AP1-EB-02	Water	02/13/25 11:05	02/15/25 10:20
680-261943-25	WAN-AP1-EB-03	Water	02/13/25 13:00	02/15/25 10:20

Job Narrative
680-261943-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 2/15/2025 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.6°C, 1.9°C, 2.7°C, 3.3°C, 3.6°C and 4.1°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium-228 batch 703880
The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: WAN-WGWC-23 (680-261943-18). Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Rad
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-261943-1

Date Collected: 02/12/25 10:41

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.111	U	0.0962	0.0968	1.00	0.141	pCi/L	02/20/25 07:17	03/16/25 10:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.479	U	0.360	0.363	1.00	0.550	pCi/L	02/20/25 07:21	03/13/25 12:03	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:03*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:03*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.589**		0.373	0.376	2.00	0.550	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.203**		0.136	0.138	1.00	0.190	pCi/L	02/20/25 07:17	03/16/25 10:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.764**		0.394	0.400	1.00	0.555	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55

Matrix: Water

Date Received: 02/15/25 10:20

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.968		0.417	0.423	2.00	0.555	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-261943-3

Date Collected: 02/12/25 14:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.134	U	0.107	0.108	1.00	0.156	pCi/L	02/20/25 07:17	03/16/25 10:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:38*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.01		0.439	0.449	1.00	0.589	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.14		0.452	0.462	2.00	0.589	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.149	U	0.119	0.120	1.00	0.175	pCi/L	02/20/25 07:17	03/16/25 10:38	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:38*	*1*

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.976		0.427	0.437	1.00	0.568	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.6*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.12		0.443	0.453	2.00	0.568	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-261943-5

Date Collected: 02/12/25 13:52

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.26		0.255	0.279	1.00	0.198	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.05		0.590	0.653	1.00	0.532	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.31		0.643	0.710	2.00	0.532	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-261943-6

Date Collected: 02/12/25 12:32

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.385		0.211	0.213	1.00	0.272	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110	02/20/25 07:17	03/16/25 10:35	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.04		0.612	0.620	1.00	0.892	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110	02/20/25 07:21	03/13/25 12:04	1
Y Carrier	83.0		30 - 110	02/20/25 07:21	03/13/25 12:04	1

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.43		0.647	0.656	2.00	0.892	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.14		0.234	0.255	1.00	0.163	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110	02/20/25 07:17	03/16/25 10:35	1

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.94		0.645	0.740	1.00	0.523	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	93.5		30 - 110	02/20/25 07:21	03/13/25 12:04	1
Y Carrier	81.9		30 - 110	02/20/25 07:21	03/13/25 12:04	1

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32

Matrix: Water

Date Received: 02/15/25 10:20

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.08		0.686	0.783	2.00	0.523	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-28D

Lab Sample ID: 680-261943-8

Date Collected: 02/12/25 10:22

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.76		0.294	0.334	1.00	0.164	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	6.04		0.824	0.993	1.00	0.554	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.6*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	7.79		0.875	1.05	2.00	0.554	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WAMW-1

Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0922	U	0.0997	0.100	1.00	0.159	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:35*	*1*

Client Sample ID: WAN-WAMW-1

Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.465	U	0.318	0.321	1.00	0.471	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*82.2*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.557**		0.333	0.336	2.00	0.471	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WAMW-2

Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.142	U	0.112	0.113	1.00	0.162	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**0.657**		0.382	0.387	1.00	0.555	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.1*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.800**		0.398	0.403	2.00	0.555	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-AP1-FD-02

Lab Sample ID: 680-261943-11

Date Collected: 02/12/25 00:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.220		0.148	0.149	1.00	0.212	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.678		0.403	0.408	1.00	0.589	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.3*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*84.9*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.898		0.429	0.434	2.00	0.589	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-261943-12

Date Collected: 02/12/25 14:20

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0134	U	0.0838	0.0838	1.00	0.165	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.262	U	0.309	0.310	1.00	0.509	pCi/L	02/20/25 07:21	03/13/25 12:04	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.3*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*
Y Carrier	*80.7*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:04*	*1*

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-261943-12

Date Collected: 02/12/25 14:20

Matrix: Water

Date Received: 02/15/25 10:20

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.275	U	0.320	0.321	2.00	0.509	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-261943-13

Date Collected: 02/12/25 10:15

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0200	U	0.0865	0.0865	1.00	0.167	pCi/L	02/20/25 07:17	03/16/25 10:35	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:35*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.357	U	0.324	0.326	1.00	0.513	pCi/L	02/20/25 07:21	03/13/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.377	U	0.335	0.337	2.00	0.513	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.183**		0.118	0.120	1.00	0.156	pCi/L	02/20/25 07:17	03/16/25 12:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/20/25 07:17*	*03/16/25 12:29*	*1*

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.258	U	0.361	0.362	1.00	0.606	pCi/L	02/20/25 07:21	03/13/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.8*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.440	U	0.380	0.381	2.00	0.606	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.111	U	0.0972	0.0978	1.00	0.143	pCi/L	02/20/25 07:17	03/16/25 12:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 12:29*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.00**		0.398	0.409	1.00	0.495	pCi/L	02/20/25 07:21	03/13/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**1.11**		0.410	0.421	2.00	0.495	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0512	U	0.0778	0.0779	1.00	0.134	pCi/L	02/20/25 07:17	03/16/25 12:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 12:29*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.136	U	0.346	0.347	1.00	0.605	pCi/L	02/20/25 07:21	03/13/25 12:05	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/20/25 07:21*	*03/13/25 12:05*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.187	U	0.355	0.356	2.00	0.605	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.281**		0.130	0.133	1.00	0.142	pCi/L	02/20/25 07:17	03/16/25 12:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*02/20/25 07:17*	*03/16/25 12:29*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	**1.42**		0.449	0.467	1.00	0.538	pCi/L	02/20/25 07:21	03/13/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.5*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*
Y Carrier	*83.4*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08

Matrix: Water

Date Received: 02/15/25 10:20

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.70		0.467	0.486	2.00	0.538	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-261943-18

Date Collected: 02/13/25 16:35

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.403	U	0.350	0.352	1.00	0.537	pCi/L	02/20/25 07:17	03/16/25 12:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.2*		*30 - 110*	*02/20/25 07:17*	*03/16/25 12:29*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.907	U G	0.908	0.912	1.00	1.47	pCi/L	02/20/25 07:21	03/13/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*69.2*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.31	U	0.973	0.978	2.00	1.47	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.218		0.123	0.124	1.00	0.156	pCi/L	02/20/25 07:17	03/16/25 12:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*02/20/25 07:17*	*03/16/25 12:29*	*1*

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.583		0.356	0.360	1.00	0.520	pCi/L	02/20/25 07:21	03/13/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*92.3*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*
Y Carrier	*81.5*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.801		0.377	0.381	2.00	0.520	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-PZ-26D

Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0703	U	0.111	0.111	1.00	0.192	pCi/L	02/20/25 07:17	03/16/25 12:29	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/20/25 07:17*	*03/16/25 12:29*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.578		0.370	0.374	1.00	0.552	pCi/L	02/20/25 07:21	03/13/25 11:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.0*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/20/25 07:21*	*03/13/25 11:54*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.648		0.386	0.390	2.00	0.552	pCi/L		03/18/25 15:19	1

Client Sample ID: WAN-PZ-31

Lab Sample ID: 680-261943-21

Date Collected: 02/13/25 13:15

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.153	U	0.137	0.138	1.00	0.198	pCi/L	02/20/25 07:22	03/14/25 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:31*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.560	U	0.382	0.386	1.00	0.565	pCi/L	02/20/25 07:28	03/13/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.4*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*
Y Carrier	*83.9*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.714**		0.406	0.410	2.00	0.565	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-261943-22

Date Collected: 02/13/25 00:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.143	U	0.155	0.156	1.00	0.247	pCi/L	02/20/25 07:22	03/14/25 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:31*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.420	U	0.368	0.370	1.00	0.581	pCi/L	02/20/25 07:28	03/13/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.1*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*
Y Carrier	*84.9*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-261943-22

Date Collected: 02/13/25 00:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.563	U	0.399	0.402	2.00	0.581	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-261943-23

Date Collected: 02/13/25 13:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0126	U	0.107	0.107	1.00	0.222	pCi/L	02/20/25 07:22	03/14/25 09:31	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:31*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0921	U	0.266	0.266	1.00	0.527	pCi/L	02/20/25 07:28	03/13/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.8*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	-0.0795	U	0.287	0.287	2.00	0.527	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00513	U	0.108	0.108	1.00	0.231	pCi/L	02/20/25 07:22	03/14/25 09:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:30*	*1*

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.174	U	0.255	0.256	1.00	0.433	pCi/L	02/20/25 07:28	03/13/25 11:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.8*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*
Y Carrier	*83.7*		*30 - 110*	*02/20/25 07:28*	*03/13/25 11:59*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.169	U	0.277	0.278	2.00	0.433	pCi/L		03/17/25 14:19	1

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-261943-25

Date Collected: 02/13/25 13:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00719	U	0.106	0.106	1.00	0.225	pCi/L	02/20/25 07:22	03/14/25 09:30	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:30*	*1*

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0216	U	0.363	0.363	1.00	0.664	pCi/L	02/20/25 07:28	03/13/25 12:00	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*02/20/25 07:28*	*03/13/25 12:00*	*1*
Y Carrier	*82.6*		*30 - 110*	*02/20/25 07:28*	*03/13/25 12:00*	*1*

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0288	U	0.378	0.378	2.00	0.664	pCi/L		03/17/25 14:19	1

Tracer/Carrier Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
680-261943-1	WAN-WGWC-13	90.0
680-261943-1 DU	WAN-WGWC-13	85.3
680-261943-2	WAN-WGWC-14A	92.5
680-261943-3	WAN-WGWC-16	93.0
680-261943-4	WAN-WGWC-20	88.6
680-261943-5	WAN-WGWC-22	91.0
680-261943-6	WAN-WGWC-25	76.4
680-261943-7	WAN-WGWC-27	93.5
680-261943-8	WAN-WGWC-28D	87.6
680-261943-9	WAN-WAMW-1	93.0
680-261943-10	WAN-WAMW-2	88.1
680-261943-11	WAN-AP1-FD-02	87.3
680-261943-12	WAN-AP1-FB-08	93.3
680-261943-13	WAN-AP1-EB-01	93.0
680-261943-14	WAN-WGWC-10	86.8
680-261943-15	WAN-WGWC-15	90.0
680-261943-16	WAN-WGWC-19	94.0
680-261943-17	WAN-WGWC-21	92.5
680-261943-18	WAN-WGWC-23	69.2
680-261943-19	WAN-WGWC-24	92.3
680-261943-20	WAN-PZ-26D	90.0
680-261943-21	WAN-PZ-31	79.4
680-261943-21 DU	WAN-PZ-31	86.6
680-261943-22	WAN-AP1-FD-03	84.1
680-261943-23	WAN-AP1-FB-09	85.8
680-261943-24	WAN-AP1-EB-02	91.8
680-261943-25	WAN-AP1-EB-03	85.3
LCS 160-703878/2-A	Lab Control Sample	90.8
LCS 160-703881/2-A	Lab Control Sample	84.8
MB 160-703878/1-A	Method Blank	90.8
MB 160-703881/1-A	Method Blank	89.1

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
680-261943-1	WAN-WGWC-13	90.0	78.9
680-261943-1 DU	WAN-WGWC-13	85.3	80.4
680-261943-2	WAN-WGWC-14A	92.5	81.9
680-261943-3	WAN-WGWC-16	93.0	78.9
680-261943-4	WAN-WGWC-20	88.6	80.0
680-261943-5	WAN-WGWC-22	91.0	83.0
680-261943-6	WAN-WGWC-25	76.4	83.0
680-261943-7	WAN-WGWC-27	93.5	81.9
680-261943-8	WAN-WGWC-28D	87.6	77.4

Tracer/Carrier Summary

Client: Southern Company
Job ID: 680-261943-3
Project/Site: Plant Wansley - Ash Pond

Method: 9320 - Radium-228 (GFPC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Ba	Y
Lab Sample ID	Client Sample ID	(30-110)	(30-110)
680-261943-9	WAN-WAMW-1	93.0	82.2
680-261943-10	WAN-WAMW-2	88.1	84.1
680-261943-11	WAN-AP1-FD-02	87.3	84.9
680-261943-12	WAN-AP1-FB-08	93.3	80.7
680-261943-13	WAN-AP1-EB-01	93.0	83.4
680-261943-14	WAN-WGWC-10	86.8	83.0
680-261943-15	WAN-WGWC-15	90.0	83.7
680-261943-16	WAN-WGWC-19	94.0	85.2
680-261943-17	WAN-WGWC-21	92.5	83.4
680-261943-18	WAN-WGWC-23	69.2	83.0
680-261943-19	WAN-WGWC-24	92.3	81.5
680-261943-20	WAN-PZ-26D	90.0	85.2
680-261943-21	WAN-PZ-31	79.4	83.9
680-261943-21 DU	WAN-PZ-31	86.6	81.9
680-261943-22	WAN-AP1-FD-03	84.1	84.9
680-261943-23	WAN-AP1-FB-09	85.8	85.2
680-261943-24	WAN-AP1-EB-02	91.8	83.7
680-261943-25	WAN-AP1-EB-03	85.3	82.6
LCS 160-703880/2-A	Lab Control Sample	90.8	76.6
LCS 160-703882/2-A	Lab Control Sample	84.8	80.7
MB 160-703880/1-A	Method Blank	90.8	80.0
MB 160-703882/1-A	Method Blank	89.1	81.1

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-703878/1-A
Matrix: Water
Analysis Batch: 707977

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703878

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.06202	U	0.0885	0.0887	1.00	0.151	pCi/L	02/20/25 07:17	03/16/25 10:37	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.8*		*30 - 110*	*02/20/25 07:17*	*03/16/25 10:37*	*1*

Lab Sample ID: LCS 160-703878/2-A
Matrix: Water
Analysis Batch: 707977

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703878

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.885		0.935	1.00	0.144	pCi/L	82	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.8*		*30 - 110*

Lab Sample ID: 680-261943-1 DU
Matrix: Water
Analysis Batch: 707977

Client Sample ID: WAN-WGWC-13
Prep Type: Total/NA
Prep Batch: 703878

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.111	U		0.07382	U	0.0933	1.00	0.154	pCi/L			0.19	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*85.3*		*30 - 110*

Lab Sample ID: MB 160-703881/1-A
Matrix: Water
Analysis Batch: 707813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703881

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1250	U	0.143	0.143	1.00	0.230	pCi/L	02/20/25 07:22	03/14/25 09:31	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.1*		*30 - 110*	*02/20/25 07:22*	*03/14/25 09:31*	*1*

Lab Sample ID: LCS 160-703881/2-A
Matrix: Water
Analysis Batch: 707813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703881

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.692		1.02	1.00	0.251	pCi/L	80	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-703881/2-A
Matrix: Water
Analysis Batch: 707813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703881

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.8		30 - 110

Lab Sample ID: 680-261943-21 DU
Matrix: Water
Analysis Batch: 707813

Client Sample ID: WAN-PZ-31
Prep Type: Total/NA
Prep Batch: 703881

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.153	U		0.1911	U	0.173	1.00	0.261	pCi/L			0.12	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.6		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-703880/1-A
Matrix: Water
Analysis Batch: 707492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703880

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.8430		0.382	0.390	1.00	0.503	pCi/L	02/20/25 07:21	03/13/25 11:52	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	90.8		30 - 110	02/20/25 07:21	03/13/25 11:52	1
Y Carrier	80.0		30 - 110	02/20/25 07:21	03/13/25 11:52	1

Lab Sample ID: LCS 160-703880/2-A
Matrix: Water
Analysis Batch: 707492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703880

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.02	9.967		1.37	1.00	0.515	pCi/L	124	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.8		30 - 110
Y Carrier	76.6		30 - 110

Lab Sample ID: 680-261943-1 DU
Matrix: Water
Analysis Batch: 707495

Client Sample ID: WAN-WGWC-13
Prep Type: Total/NA
Prep Batch: 703880

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.479	U		0.4054	U	0.389	1.00	0.620	pCi/L			0.1	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 680-261943-1 DU
Matrix: Water
Analysis Batch: 707495

Client Sample ID: WAN-WGWC-13
Prep Type: Total/NA
Prep Batch: 703880

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	85.3		30 - 110
Y Carrier	80.4		30 - 110

Lab Sample ID: MB 160-703882/1-A
Matrix: Water
Analysis Batch: 707496

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 703882

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2416	U	0.328	0.329	1.00	0.550	pCi/L	02/20/25 07:28	03/13/25 11:59	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110	02/20/25 07:28	03/13/25 11:59	1
Y Carrier	81.1		30 - 110	02/20/25 07:28	03/13/25 11:59	1

Lab Sample ID: LCS 160-703882/2-A
Matrix: Water
Analysis Batch: 707496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 703882

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.02	9.423		1.33	1.00	0.619	pCi/L	117	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	84.8		30 - 110
Y Carrier	80.7		30 - 110

Lab Sample ID: 680-261943-21 DU
Matrix: Water
Analysis Batch: 707496

Client Sample ID: WAN-PZ-31
Prep Type: Total/NA
Prep Batch: 703882

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.560	U		0.7203		0.390	1.00	0.537	pCi/L			0.21	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	86.6		30 - 110
Y Carrier	81.9		30 - 110

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Prep Batch: 703878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	PrecSep-21	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	PrecSep-21	
680-261943-3	WAN-WGWC-16	Total/NA	Water	PrecSep-21	
680-261943-4	WAN-WGWC-20	Total/NA	Water	PrecSep-21	
680-261943-5	WAN-WGWC-22	Total/NA	Water	PrecSep-21	
680-261943-6	WAN-WGWC-25	Total/NA	Water	PrecSep-21	
680-261943-7	WAN-WGWC-27	Total/NA	Water	PrecSep-21	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	PrecSep-21	
680-261943-9	WAN-WAMW-1	Total/NA	Water	PrecSep-21	
680-261943-10	WAN-WAMW-2	Total/NA	Water	PrecSep-21	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	PrecSep-21	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	PrecSep-21	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	PrecSep-21	
680-261943-14	WAN-WGWC-10	Total/NA	Water	PrecSep-21	
680-261943-15	WAN-WGWC-15	Total/NA	Water	PrecSep-21	
680-261943-16	WAN-WGWC-19	Total/NA	Water	PrecSep-21	
680-261943-17	WAN-WGWC-21	Total/NA	Water	PrecSep-21	
680-261943-18	WAN-WGWC-23	Total/NA	Water	PrecSep-21	
680-261943-19	WAN-WGWC-24	Total/NA	Water	PrecSep-21	
680-261943-20	WAN-PZ-26D	Total/NA	Water	PrecSep-21	
MB 160-703878/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-703878/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-261943-1 DU	WAN-WGWC-13	Total/NA	Water	PrecSep-21	

Prep Batch: 703880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	PrecSep_0	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	PrecSep_0	
680-261943-3	WAN-WGWC-16	Total/NA	Water	PrecSep_0	
680-261943-4	WAN-WGWC-20	Total/NA	Water	PrecSep_0	
680-261943-5	WAN-WGWC-22	Total/NA	Water	PrecSep_0	
680-261943-6	WAN-WGWC-25	Total/NA	Water	PrecSep_0	
680-261943-7	WAN-WGWC-27	Total/NA	Water	PrecSep_0	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	PrecSep_0	
680-261943-9	WAN-WAMW-1	Total/NA	Water	PrecSep_0	
680-261943-10	WAN-WAMW-2	Total/NA	Water	PrecSep_0	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	PrecSep_0	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	PrecSep_0	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	PrecSep_0	
680-261943-14	WAN-WGWC-10	Total/NA	Water	PrecSep_0	
680-261943-15	WAN-WGWC-15	Total/NA	Water	PrecSep_0	
680-261943-16	WAN-WGWC-19	Total/NA	Water	PrecSep_0	
680-261943-17	WAN-WGWC-21	Total/NA	Water	PrecSep_0	
680-261943-18	WAN-WGWC-23	Total/NA	Water	PrecSep_0	
680-261943-19	WAN-WGWC-24	Total/NA	Water	PrecSep_0	
680-261943-20	WAN-PZ-26D	Total/NA	Water	PrecSep_0	
MB 160-703880/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-703880/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-261943-1 DU	WAN-WGWC-13	Total/NA	Water	PrecSep_0	

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Rad

Prep Batch: 703881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-21	WAN-PZ-31	Total/NA	Water	PrecSep-21	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	PrecSep-21	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	PrecSep-21	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	PrecSep-21	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	PrecSep-21	
MB 160-703881/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-703881/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-261943-21 DU	WAN-PZ-31	Total/NA	Water	PrecSep-21	

Prep Batch: 703882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-21	WAN-PZ-31	Total/NA	Water	PrecSep_0	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	PrecSep_0	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	PrecSep_0	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	PrecSep_0	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	PrecSep_0	
MB 160-703882/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-703882/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-261943-21 DU	WAN-PZ-31	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-261943-1

Date Collected: 02/12/25 10:41

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.29 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 10:38	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.29 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:03	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.15 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 10:38	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.15 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-261943-3

Date Collected: 02/12/25 14:00

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.48 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 10:38	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.48 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.73 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 10:38	SWS	EET SL
	Instrument ID: GFPCBLUE									

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1002.73 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-261943-5

Date Collected: 02/12/25 13:52

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.38 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.38 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-261943-6

Date Collected: 02/12/25 12:32

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			756.66 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			756.66 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.03 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1005.03 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL

Client Sample ID: WAN-WGWC-28D

Lab Sample ID: 680-261943-8

Date Collected: 02/12/25 10:22
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.14 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1002.14 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WAMW-1

Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.04 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1005.04 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WAMW-2

Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.26 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1004.26 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Client Sample ID: WAN-AP1-FD-02

Lab Sample ID: 680-261943-11

Date Collected: 02/12/25 00:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.40 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.40 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-261943-12

Date Collected: 02/12/25 14:20
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.16 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1001.16 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:04	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-261943-13

Date Collected: 02/12/25 10:15
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.07 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707979	03/16/25 10:35	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.07 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:05	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			992.14 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 12:29	SWS	EET SL
	Instrument ID: GFPCBLUE									

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			992.14 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:05	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.38 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 12:29	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.38 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:05	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.21 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 12:29	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1004.21 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707495	03/13/25 12:05	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.98 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 12:29	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.98 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:54	FLC	EET SL
	Instrument ID: GFPCPURPLE									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-261943-18

Date Collected: 02/13/25 16:35
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			501.04 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 12:29	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			501.04 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:54	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.63 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 12:29	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.63 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:54	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-PZ-26D

Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.73 mL	1.0 g	703878	02/20/25 07:17	OGC	EET SL
Total/NA	Analysis	9315		1			707977	03/16/25 12:29	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.73 mL	1.0 g	703880	02/20/25 07:21	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:54	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/18/25 15:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Client Sample ID: WAN-PZ-31

Lab Sample ID: 680-261943-21

Date Collected: 02/13/25 13:15
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1009.66 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	9315		1			707813	03/14/25 09:31	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1009.66 mL	1.0 g	703882	02/20/25 07:28	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:59	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-261943-22

Date Collected: 02/13/25 00:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.48 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	9315		1			707813	03/14/25 09:31	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1002.48 mL	1.0 g	703882	02/20/25 07:28	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:59	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-261943-23

Date Collected: 02/13/25 13:40
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1009.68 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	9315		1			707813	03/14/25 09:31	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1009.68 mL	1.0 g	703882	02/20/25 07:28	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:59	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.17 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	9315		1			707813	03/14/25 09:30	SWS	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1001.17 mL	1.0 g	703882	02/20/25 07:28	OGC	EET SL
Total/NA	Analysis	9320		1			707496	03/13/25 11:59	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-261943-25

Date Collected: 02/13/25 13:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1003.99 mL	1.0 g	703881	02/20/25 07:22	OGC	EET SL
Total/NA	Analysis	9315		1			707813	03/14/25 09:30	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1003.99 mL	1.0 g	703882	02/20/25 07:28	OGC	EET SL
Total/NA	Analysis	9320		1	1.0 mL	1.0 mL	707496	03/13/25 12:00	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			708159	03/17/25 14:19	SCB	EET SL
	Instrument ID: NOEQUIP									

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-261943-3
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins St. Louis

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87689	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-3

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Eurofins Test America, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information
Client Contact: SCS Contacts
Company: GA Power
Address: 241 Ralph McGill Blvd SE
City: Atlanta
State, Zip: GA, 30308
Phone: 404-506-7116(Tel)
Email: SCS Contacts / Geosyntec Contacts
Project Name: Plant Wansley Ash Pond
Site:

Sampler: T. Gable, ACC / D. Jamison, T. Mety
Phone:
Due Date Requested:
TAT Requested (days):
Lab Project #: 58027765
PO #: GPC82130-0004
Project #:
SSOW#:

Lab PM: Fuller, David
E-Mail: david.fuller@et.eurofinsus.com

Carrier Tracking No(s):

COC No:
Page: 1 of 3
Job #:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Task_Code: WAN-CCR-ASSMT-2025S1

Special Instructions/Note: Pull APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO4, & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW 846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	Special Instructions/Note
			Preservation Code:				D	I	D	D	I	B, C	D		
WAN-WGWC-13	02/12/25	1041	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-14A	02/12/25	1255	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-16	02/12/25	1400	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	22664
WAN-WGWC-20	02/12/25	1359	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-22	02/12/25	1352	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-25	02/12/25	1232	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-27	02/12/25	1132	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-28D	02/12/25	1022	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WAMW-1	02/12/25	1351	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WA MW-2	02/12/25	1124	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-API-FD-02	02/12/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	

660-261943 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	02-14-25 1322	ALL	Received by:	2/14/25 13:22	
Relinquished by:	2/14/25		Received by:	2/15/25 1020	
Relinquished by:			Received by:	3/3.3 0.6/0.6	

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.6, 1.3, 1.5, 1.3, 1.2, 1.0, 1.6, 1.5 #2665

Ver: 01/16/2019

Eurofins Test[illegible]merica, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Bonie, ACC D. Jamison, J. May	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: Page 2 of 3
Company: GA Power		Analysis Requested		Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			Task_Code: WAN-CCR-ASSMT-2025S1

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300.0, SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	Special Instructions/Note: Full APP III and APP IV
			Preservation Code:		X	X	D	I	D	D	I	S, C	D	X	
WAN-AP1-FB-08	02/12/25	1420	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-AP1-EB-01	02/12/25	1015	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-10	02/13/25	1025	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	21264
WAN-WGWC-15	02/13/25	1140	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-19	02/13/25	0945	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-21	02/13/25	1208	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-23	02/13/25	1135	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-24	02/13/25	1211	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-PZ-26D	02/13/25	1320	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-PZ-31	02/13/25	1315	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-AP1-FD-03	02/13/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 02-14-25 1322	Company: ACC	Received by: ACC	Date/Time: 2/14/25 13:22	Company: ECS
Relinquished by:	Date/Time: 2/14/25	Company:	Received by:	Date/Time: 2/15/25 1020	Company:
Relinquished by:	Date/Time:	Company:	Received by: 4.1/4.1	Date/Time: ~~2.3/3.3~~ 0.	Company: 3.6/3.6

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.6, 1.3, 2.5, 1.2, 1.2, 1.0, 1.6, 1.5 #2065

Ver: 01/16/2019

Eurofins Test America, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: ACC D. Johnson, J. Young, T. Smith	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: Page 3 of 3
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Atlanta	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 680277666			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			Task_Code: WAN-CCR-ASSMT-2025S1
Site:	SSOW#:			Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Co,Pb,Li,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	
			Preservation Code:				D	I	D	D	I	B, C	D		
WAN- API-FB-09	02/13/25	1340	G	WQ		N	✓	✓	✓	✓	✓	✓	✓		8
WAN- API-EB-02	02/13/25	1105	G	WQ		N	✓	✓	✓	✓	✓	✓	✓		8
WAN- API-EB-03	02/13/25	1300	G	WQ		N	✓	✓	✓	✓	✓	✓	✓		8
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									

2226H

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 02-14-25 1322	Company: ACC	Received by:	Date/Time: 2/14/25 1324	Company: E
Relinquished by:	Date/Time: 2/14/25	Company:	Received by:	Date/Time: 2/15/25 1020	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 2.7/2.7	Company:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.8, 1.3, 2.5, 1.3, 1.2, 1.0, 1.6, 1.5 2665

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-261943-3

Login Number: 261943

List Source: Eurofins Savannah

List Number: 1

Creator: Faught, Timothy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-261943-3

Login Number: 261943
List Number: 2
Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis
List Creation: 02/18/25 01:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Geosyntec consultants

180A Market Place Boulevard
Knoxville, TN 37922
PH 865.330.0037
www.geosyntec.com

Memorandum

Date:	27 June 2025
To:	Robert Singleton
From:	Ashley Wilson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins Laboratory Job ID 680-261849-1 Revision 1 and 680-261849-2**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of twelve water samples, one field duplicate and one field blank, collected 10-11 February 2025, as part of the Plant Wansley Ash Pond on-site sampling event. The samples were analyzed at Eurofins Savannah, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Mercury by USEPA Method 7470A
- Alkalinity by Standard Method (SM) 2320B
- Sulfide by SM 4500-S2 F-2011
- Anions (Chloride, Fluoride and Sulfate) by USEPA Method 300.0
- Total Dissolved Solids (TDS) by SM 2540C
- Radium-226 by US EPA Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment, and the following documents:

- United States (US) EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- Idaho National Engineering and Environmental Laboratory, RADIOANALYTICAL DATA VALIDATION, May 11, 2004 (GDE-205).

The following sample was analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
680-261849-1	WAN-WGWC-17
680-261849-2	WAN-AP1-FD-01
680-261849-3	WAN-AP1-FB-07
680-261849-4	WAN-WGWA-1
680-261849-5	WAN-WGWA-2
680-261849-6	WAN-WGWA-3
680-261849-7	WAN-WGWA-4

Laboratory IDs	Client IDs
680-261849-8	WAN-WGWA-6
680-261849-9	WAN-WGWA-7
680-261849-10	WAN-WGWA-18
680-261849-11	WAN-WGWC-8
680-261849-12	WAN-WGWC-9
680-261849-13	WAN-WGWC-11
680-261849-14	WAN-WGWC-12

The laboratory reported results for the analytical method(s) requested for each sample on the chain of custody (COC).

The sample was received within 0-6 degrees Celsius (°C). 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, WAN-AP1-FD-01. The laboratory logged the sample in with the collection time of 00:00.

The second relinquishing signature, date and time are missing from the COC.

1.0 METALS

The sample was analyzed for metals by US EPA methods 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable 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

⊗ Field Duplicate
✓ Equipment Blank
✓ Field Blank
✓ Sensitivity
✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding time was met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Metals were not detected in the method blank at or above the method detection limits (MDLs), with the following exception.

Lithium (0.00358 mg/L) was detected in the method blank in batch 875725 at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated concentrations of lithium in samples WAN-AP1-FB-07 and WAN-WGWA-18 were U qualified as not detected above the RL, and the concentrations of lithium in samples WAN-AP1-FD-01, WAN-WGWA-1 and WAN-WGWA-2 were J+ qualified as estimated with a high bias. The lithium concentration for sample WAN-AP1-FD-01 was also J qualified as estimated due to the field duplicate assessment, the final qualification for the lithium concentration for sample WAN-AP1-FD-01 was J qualified as estimated.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
WAN-AP1-FB-07	Lithium	0.0048	JB	0.0050	U	BC1
WAN-AP1-FD-01	Lithium	0.012	B	0.012	J	BC1, FD2
WAN-WGWA-1	Lithium	0.0091	B	0.0091	J+	BC1
WAN-WGWA-18	Lithium	0.0047	JB	0.0050	U	BC1

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
WAN-WGWA-2	Lithium	0.013	B	0.013	J+	BC1

mg/L-milligrams per liter
J-estimated concentration greater than or equal to the MDL and less than the RL
B-Compound was found in the blank and sample
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported using samples WAN-WGWC-17 and WAN-WGWA-2. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Duplicate

One field duplicate sample, WAN-AP1-FD-01, was collected with the sample set. Acceptable precision (RPD $\leq$30%) was demonstrated between the field duplicate and the original sample, WAN-WGWC-12, with the following exceptions.

Lithium was detected in the field duplicate sample WAN-AP1-FD-01 at a concentration greater than the reporting limit (RL) and detected at an estimated concentration greater than the MDL and less than the RL in the parent sample WAN-WGWC-12, resulting in a noncalculable RPD result. Since the absolute difference between the parent sample and field duplicate was greater than the RL, the iron concentrations in samples WAN-WGWC-12 and WAN-AP1-FD-01 were J qualified as estimated..

The RPD for iron in the field duplicate pair was greater than 30%. Therefore, the iron concentrations in samples WAN-WGWC-12 and WAN-AP1-FD-01 were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
WAN-AP1-FD-01	Iron	1.4	NA	40	1.4	J	FD1

Sample	**Analyte**	**Laboratory Result (mg/L)**	**Laboratory Flag**	**RPD**	**Validation Result (mg/L)**	**Validation Qualifier**	**Reason Code**
WAN-WGWC-12	Iron	2.1	NA		2.1	J	FD1
WAN-AP1-FD-01	Lithium	0.012	B	NC	0.012	J	FD2
WAN-WGWC-12	Lithium	0.0032	J		0.0032	J	FD2

mg/L-milligrams per liter
J-estimated concentration greater than or equal to the MDL and less than the RL
B-compound was found in the blank and sample
NA-not applicable
NC-noncalculable

1.7 Equipment Blank

Equipment blanks were not reported with the sample set.

1.8 Field Blank

One field blank, WAN-AP1-FB-07, was collected with the sample set. Metals were not detected in the field blank at or above the MDLs, with the following exception.

Lithium was detected in the equipment blank at an estimated concentration greater than the MDL and less than the RL. Since lithium result in the equipment blank was qualified due to method blank contamination, no additional qualifications were applied to the data.

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The sample was analyzed for mercury per 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 Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

2.1 Overall Assessment

The mercury data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

2.2 Holding Times

The holding time for the mercury analysis of a soil sample is 28 days from sample collection to analysis. The holding time was met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Mercury was not detected in the method blanks at or above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/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 WAN-AP1-FB-07. The recovery and RPD results were within the laboratory specified acceptance criteria.

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 Field Blank

One field blank, WAN-AP1-FB-07, was collected with the sample set. Mercury was not detected in the field blank at or above the MDL.

2.7 Equipment Blank

Equipment blank were not reported with the sample set.

2.8 Field Duplicate

One field duplicate sample, WAN-AP1-FD-01, was collected with the sample set. Acceptable precision (RPD <30%) was demonstrated between the field duplicate and the original sample, WAN-WGWC-12.

2.9 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were not reported. The MDLs met the reference limits listed in QAPP Worksheet #15 of the QAPP.

2.10 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The sample was analyzed for anions by US EPA method 300.0, sulfide by SM 4500 S2 F-2011, alkalinity by SM 2320B-2011 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
- ✓ Equipment Blank
- ✓ Field Blank

- ✓ Field Duplicate
- ✓ Laboratory Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

3.1 Overall Assessment

The wet chemistry data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

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
Sulfide	SM 4500-S2D	28 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

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples).

Two sample set specific MS/MSD pairs were reported for anions using samples WAN-AP1-FB-07 and WAN-WGWC-12. The recovery and RPD results were within the laboratory specified acceptance criteria.

One sample set specific MS/MSD pair was reported for sulfide using sample WAN-AP1-FD-01. The RPD results were within the laboratory specified acceptance criteria. The recovery and RPD 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). The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Equipment Blank

Equipment blanks were not reported with the sample set.

3.7 Field Blank

One field blank, WAN-AP1-FB-07, was collected with the sample set. Wet chemistry parameters were not detected in the field blank at or above the MDLs.

3.8 Field Duplicate

One field duplicate sample, WAN-AP1-FD-01, was collected with the sample set. Acceptable precision (RPD <30%) was demonstrated between the field duplicate and the original sample, WAN-WGWC-12.

3.9 Laboratory Duplicate

Two sample set specific laboratory duplicates were reported for alkalinity using samples WAN-WGWA-3 and WAN-AP1-FB-07. The RPD results were within the laboratory specified acceptance criteria.

One sample set specific laboratory duplicate was reported for TDS using sample WAN-WGWC-8. The RPD results were within the laboratory specified acceptance criteria.

One sample set specific laboratory duplicate was reported for sulfide using sample WAN-WGWC-17. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were reported for alkalinity and TDS. Since this was batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

4.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate
✓ Laboratory Control Sample
✓ Laboratory Duplicate
✓ Tracers and Carriers
⊗ Field Blank
✓ Equipment Blank
✓ Field Duplicate
✓ Sensitivity

4.1 Overall Assessment

4.1.1 Completeness

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

4.1.2 Analysis Anomaly

Total radium in sample WAN-WGWA-7 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 WAN-WGWA-7 was U qualified as not detected.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
WAN-WGWA-7	Combined Radium 226 + 228	0.699	NA	0.699	U	RO1

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

4.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

4.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-226 (0.2189 pCi/L) was detected in the method blank in batch 703466 at a concentration greater than the RL. Therefore, the radium-226 concentrations with a mean difference greater than 2 and a concentration less than ten times the method blank concentration for radium-226 in the associated samples were J qualified as estimated. In addition, the combined radium 226 + 228 concentrations in sample WAN-WGWA-4 and WAN-WGWC-8 were J qualified as estimated.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
WAN-WGWA-4	Radium-226	0.613	NA	0.613	J	BL
WAN-WGWA-4	Combined Radium 226 + 228	2.44	NA	2.44	J	BL
WAN-WGWC-8	Radium-226	0.484	NA	0.484	J	BL

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
WAN-WGWC-8	Combined Radium 226 + 228	3.46	NA	3.46	J	BL

pCi/L-picocuries per liter
NA-not applicable

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

Laboratory duplicates were not reported with the sample set.

4.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses, and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Blank

One field blank, WAN-AP1-FB-07, was collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-228 (1.00 pCi/L) was detected in WAN-AP1-FB-07 at a concentration greater than the MDC. 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 sample was UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations for samples WAN-WGWA-4, WAN-WGWA-6, WAN-WGWC-8 and WAN-WGWC-9 were J qualified as estimated and the combined radium 226 + 228 concentration for sample WAN-AP1-FD-01, WAN-WGWA-1, WAN-WGWA-

3, WAN-WGWC-11 and WAN-WGWC-12 were UJ qualified as not statistically distinguishable from the blank.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
WAN-AP1-FD-01	Radium-228	1.50	NA	1.50	UJ	BFH
WAN-AP1-FD-01	Combined Radium 226 + 228	1.66	NA	1.66	UJ	BFH
WAN-WGWA-1	Radium-228	1.57	NA	1.57	UJ	BFH
WAN-WGWA-1	Combined Radium 226 + 228	1.59	NA	1.59	UJ	BFH
WAN-WGWA-3	Radium-228	0.989	NA	0.989	UJ	BFH
WAN-WGWA-3	Combined Radium 226 + 228	1.15	NA	1.15	UJ	BFH
WAN-WGWA-4	Radium-228	1.83	NA	1.83	UJ	BFH
WAN-WGWA-4	Combined Radium 226 + 228	2.44	NA	2.44	J	BFH
WAN-WGWA-6	Radium-228	9.84	NA	9.84	J	BFH
WAN-WGWA-6	Combined Radium 226 + 228	13.1	NA	13.1	J	BFH
WAN-WGWC-11	Radium-228	1.20	NA	1.20	UJ	BFH
WAN-WGWC-11	Combined Radium 226 + 228	1.28	NA	1.28	UJ	BFH
WAN-WGWC-12	Radium-228	0.779	NA	0.779	UJ	BFH
WAN-WGWC-12	Combined Radium 226 + 228	0.892	NA	0.892	UJ	BFH
WAN-WGWC-8	Radium-228	2.97	NA	2.97	J	BFH
WAN-WGWC-8	Combined Radium 226 + 228	3.46	NA	3.46	J	BFH
WAN-WGWC-9	Radium-228	2.45	NA	2.45	J	BFH
WAN-WGWC-9	Combined Radium 226 + 228	2.41	NA	2.41	J	BFH

pCi/L-picocuries per liter
NA-not applicable

4.9 Equipment Blank

Equipment blanks were not reported with the sample set.

4.10 Field Duplicate

One field duplicate sample, WAN-AP1-FD-01, 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, WAN-WGWC-12.

4.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

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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 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 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.

V Historical undefined qualifier.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D

DQM Reason Code	Description
CV2	ICV or CCV %R
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

DQM Reason Code	Description
NR1	NUMERIC RESULTS
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

DQM Reason Code	Description
SPR4	LCL > BLANK > LOW_CUTOFF
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:	1 July 2025
To:	Robert Singleton
From:	Ashley Wilson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins Laboratory Job IDs 680-261943-1, 680-261943-2 and 680-261943-3**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of eighteen water samples, two field duplicates, two field blanks and three equipment blanks, collected 12-13 February 2025, as part of the Plant Wansley Ash Pond on-site sampling event. The samples were analyzed at Eurofins Savannah, Georgia, for the following analytical tests:

- Total and Dissolved Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Total and Dissolved Mercury by USEPA Method 7470A
- Alkalinity by Standard Method (SM) 2320B
- Sulfide by SM 4500-S2 F-2011
- Anions (Chloride, Fluoride and Sulfate) by USEPA Method 300.0
- Total Dissolved Solids (TDS) by SM 2540C
- Radium-226 by US EPA Method 9315
- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment, and the following documents:

- United States (US) EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- Idaho National Engineering and Environmental Laboratory, Radioanalytical Data Validation, May 11, 2004 (GDE-205).

The following sample was analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
680-261943-1	WAN-WGWC-13
680-261943-2	WAN-WGWC-14A
680-261943-3	WAN-WGWC-16
680-261943-4	WAN-WGWC-20
680-261943-5	WAN-WGWC-22
680-261943-6	WAN-WGWC-25
680-261943-7	WAN-WGWC-27
680-261943-8	WAN-WGWC-28D
680-261943-9	WAN-WAMW-1
680-261943-10	WAN-WAMW-2
680-261943-11	WAN-AP1-FD-02
680-261943-12	WAN-AP1-FB-08
680-261943-13	WAN-AP1-EB-01

Laboratory IDs	Client IDs
680-261943-14	WAN-WGWC-10
680-261943-15	WAN-WGWC-15
680-261943-16	WAN-WGWC-19
680-261943-17	WAN-WGWC-21
680-261943-18	WAN-WGWC-23
680-261943-19	WAN-WGWC-24
680-261943-20	WAN-PZ-26D
680-261943-21	WAN-PZ-31
680-261943-22	WAN-AP1-FD-03
680-261943-23	WAN-AP1-FB-09
680-261943-24	WAN-AP1-EB-02
680-261943-25	WAN-AP1-EB-03

The laboratory reported results for the analytical method(s) requested for each sample on the chain of custody (COC).

The sample was received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

The sample collection time was not listed on the COC for the field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03. The laboratory logged the samples in with the collection time of 00:00.

The second relinquishing times are missing from the COCs for laboratory reports 680-261943-1, 680-261943-2 and 680-261943-3.

1.0 METALS

The samples were analyzed for total and dissolved metals by US EPA methods 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable 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
- ⊗ Field Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Assessment of Total vs Dissolved Metals
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

1.1.1 Completeness

The metals data reported in this data package 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

Additional information from the laboratory indicated that the percent difference (%D) for thallium in the continuing calibration verification (CCV) in batch 876267 was outside the laboratory acceptance limits with a high bias. Since thallium was not detected in the associated samples, no qualifications were applied to the data.

1.2 Holding Time

The holding time for the total metals analysis of a water sample is 180 days from sample collection to analysis. The holding times for the dissolved metals analysis of a water sample are 15 minutes from sample collection to filtration and 180 days from sample collection to analysis. The holding time was met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Metals were not detected in the method blank 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). Batch MS/MSD pairs 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.

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 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, were collected with the sample set. Acceptable precision [relative percent difference (RPD) <30%] was demonstrated between the field duplicates and the original samples, WAN-WGWC-16 and WAN-WGWC-19, respectively, with the following exceptions.

Barium was detected in the sample WAN-WGWC-16 at a concentration greater than the reporting limit (RL) and detected at an estimated concentration greater than the MDL and less than the RL in field duplicate sample WAN-AP1-FD-02, resulting in a noncalculable RPD result. Since the absolute difference between the parent and field duplicate results was greater than the RL, the barium concentrations in the field duplicate pair were J qualified as estimated.

Beryllium was detected in the sample WAN-WGWC-16 at an estimated concentration greater than the MDL and less than the RL and not detected in field duplicate sample WAN-AP1-FD-02. Since the absolute difference between the parent and field duplicate results was less than the RL, no qualifications were applied to the data.

Boron was detected in the sample WAN-WGWC-16 at a concentration greater than the RL and not detected in field duplicate sample WAN-AP1-FD-02, resulting in a noncalculable RPD result. Since the absolute difference between the parent and field duplicate results was greater than the RL, the concentration of boron in sample WAN-WGWC-16 was J qualified as estimated, and the nondetect result in field duplicate sample WAN-AP1-FD-02 was UJ qualified as estimated below the RL.

Iron and lithium were detected in the sample WAN-WGWC-16 at estimated concentrations greater than the MDLs and less than the RLs and detected at concentrations greater than the RLs in field duplicate WAN-AP1-FD-02, resulting in a noncalculable RPD result. Since the absolute differences between the parent and field duplicate results were greater than the RLs, the concentrations of iron and lithium in the field duplicate pair WAN-AP1-FD-02/WAN-AP1-FD-02 were J qualified as estimated.

The RPD for manganese in the field duplicate pair, WAN-AP1-FD-02/ WAN-AP1-FD-02, was greater than 30%. Therefore, the manganese concentrations in WAN-AP1-FD-02/ WAN-AP1-FD-02 were J qualified as estimated.

Boron and cobalt were detected in field duplicate sample WAN-AP1-FD-03 at estimated concentrations greater than the MDL and less than the RL and not detected in parent sample WAN-WGWC-19. Since the absolute differences between the parent and field duplicate results were less than the RLs, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/l)	Laboratory Flag	RPD	Validation Result (mg/l)	Validation Qualifier*	Reason Code**
WAN-AP1-FD-02	Barium	0.0045	J	NC	0.0045	J	FD2
WAN-WGWC-16	Barium	0.040	NA		0.040	J	FD2
WAN-AP1-FD-02	Boron	0.080	U	NC	0.080	UJ	FD2
WAN-WGWC-16	Boron	0.56	NA		0.56	J	FD2
WAN-AP1-FD-02	Iron	1.9	NA	NC	1.9	J	FD2
WAN-WGWC-16	Iron	0.046	J		0.046	J	FD2
WAN-AP1-FD-02	Lithium	0.024	NA	NC	0.024	J	FD2
WAN-WGWC-16	Lithium	0.0024	J		0.0024	J	FD2
WAN-AP1-FD-02	Manganese	0.031	NA	95	0.031	J	FD1
WAN-WGWC-16	Manganese	0.011	NA		0.011	J	FD1

mg/L-milligrams per liter
J-estimated concentration greater than or equal to the MDL and less than the RL
NA-not applicable
U-not detected at a concentration greater than or equal to the MDL
NC-noncalculable
*Validation qualifiers are defined in Attachment 1 at the end of this report
** Reason codes are defined in Attachment 2 at the end of this report

1.7 Field Blank

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09, were collected with the sample set. Metals were not detected in the field blanks at or above the MDLs.

1.8 Equipment Blank

Three equipment blanks WAN-AP1-EB-01, WAN-AP1-EB-02 and WAN-AP1-EB-03 were collected with the sample set. Metals were not detected in the equipment blanks at or above the MDLs.

1.9 Assessment of Total vs Dissolved Metal

The samples WAN-WGWC-23 and WAN-WGWC-25 were analyzed for total and dissolved metals. The concentrations of total metals were greater than or equal to the concentrations of dissolved metals in the samples or the dissolved metal concentration was greater than the total metals concentration with an RPD between the total and dissolved metals results less than 30%.

1.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for total and dissolved mercury per 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 Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Field Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Assessment of Total vs Dissolved Mercury
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

2.1 Overall Assessment

The mercury data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

2.2 Holding Times

The holding time for the total mercury analysis of a soil sample is 28 days from sample collection to analysis. The holding times for the dissolved mercury analysis of a water sample are 15 minutes from sample collection to filtration and 28 days from sample collection to analysis. The holding time was met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Mercury was not detected in the method blanks at or above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs 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 WAN-WGWC-16, WAN-WGWC-21 and WAN-AP1-EB-03. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were reported for mercury. Since this was 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 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, were collected with the sample set. Acceptable precision (RPD <30%) was demonstrated between the field duplicates and the original samples, WAN-WGWC-16 and WAN-WGWC-19, respectively.

2.7 Field Blank

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09, were collected with the sample set. Mercury was not detected in the field blank at or above the MDL.

2.8 Equipment Blank

Three equipment blanks WAN-AP1-EB-01, WAN-AP1-EB-02 and WAN-AP1-EB-03 were collected with the sample set. Mercury was not detected in the equipment blanks at or above the MDL.

2.9 Assessment of Total vs Dissolved Metals

The samples WAN-WGWC-23 and WAN-WGWC-25 were analyzed for total and dissolved mercury. The concentrations of total mercury were greater than or equal to the concentrations of dissolved mercury in the samples or the dissolved mercury concentration was greater than the total mercury concentration with an RPD between the total and dissolved mercury results less than 30%.

2.10 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were not reported. The MDLs met the reference limits listed in QAPP Worksheet #15 of the QAPP.

2.11 Electronic Data Deliverable Review

Results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20%. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for anions by US EPA method 300.0, sulfide by SM 4500 S2 F-2011, alkalinity by SM 2320B-2011 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 Duplicate
✓ Field Blank
⊗ Equipment Blank
✓ Sensitivity
✓ Electronic Data Deliverables Review

3.1 Overall Assessment

The wet chemistry data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

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
Sulfide	SM 4500-S2D	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

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 for anions using samples WAN-WAMW-2, WAN-PZ-31 and WAN-AP1-FD-02. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of chloride, fluoride and sulfate in MS/MSD using sample WAN-WAMW-2 were low and outside of laboratory specified acceptance criteria. However, the laboratory noted in the case narrative that the spike compounds were inadvertently omitted during the extraction process for these MS/MSDs. Therefore, the MS/MSD pair using sample WAN-WAMW-2 was not evaluated.

The recoveries chloride, fluoride and sulfate in MS/MSD using sample WAN-AP1-FD-02 were low and outside of laboratory specified acceptance criteria. In addition, the RPD of fluoride in the MS/MSD pair was high and outside of laboratory specified acceptance criteria. Therefore, the concentration of fluoride in sample WAN-AP1-FD-02 was J qualified as estimated and the concentrations of chloride and sulfate were J- qualified as estimated with a low bias. Since the chloride and sulfate concentrations for sample WAN-AP1-FD-02 were also J qualified as estimated due to the field duplicate assessment, the final qualifications for the chloride and sulfate concentrations for sample WAN-AP1-FD-02 were J qualified as estimated.

One sample set specific MS/MSD pair was reported for sulfide using sample WAN-WGWC-19. The recovery and RPD results were within the laboratory specified acceptance criteria.

Batch MS/MSD pairs were reported for alkalinity, sulfide and TDS. Since this was 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
WAN-AP1-FD-02	Fluoride	0.063	JF1F2	0.063	J	MS1|MS2
WAN-AP1-FD-02	Chloride	2.3	F1	2.3	J	MS1|FD1

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
WAN-AP1-FD-02	Sulfate	5.4	F1	5.4	J	MS1|FD1

mg/L-milligrams per liter
J-estimated concentration greater than or equal to the MDL and less than the RL
F1-MS and/or MSD recovery exceeds control limits
F2-MS/MSD RPD exceeds control limits

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). The recovery and RPD results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Two sample set specific laboratory duplicates were reported for alkalinity using samples WAN-WAMW-1 and WAN-AP1-FD-03. The RPD results were within the laboratory specified acceptance criteria.

Two sample set specific laboratory duplicates were reported for TDS using samples WAN-WGWC-20 and WAN-WGWC-21. The RPD results were within the laboratory specified acceptance criteria.

One sample set specific laboratory duplicate was reported for sulfide using sample WAN-WGWC-10. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were reported for alkalinity, sulfide and TDS. Since this was batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, were collected with the sample set. Acceptable precision (RPD <30%) was demonstrated between the field duplicates and the original samples, WAN-WGWC-16 and WAN-WGWC-19, respectively, with the following exceptions.

The RPDs of bicarbonate and total alkalinity were high and outside of laboratory specified acceptance criteria in field duplicate pair WAN-AP1-FD-02/WAN-WGWC-16. Therefore, the concentrations of bicarbonate and total alkalinity were J qualified as estimated.

The RPDs of chloride and sulfate were high and outside of laboratory specified acceptance criteria in field duplicate pair WAN-AP1-FD-02/WAN-WGWC-16. Therefore, the concentrations of chloride and sulfate in field duplicate pair WAN-AP1-FD-02/WAN-WGWC-16 were J qualified as estimated.

Fluoride was detected in field duplicate sample WAN-AP1-FD-02 at an estimated concentration greater than the MDL and less than the RL and not detected in parent sample WAN-WGWC-16. Since the absolute difference between the parent and field duplicate results was less than the RL, no qualifications were applied to the data.

Fluoride was detected in field duplicate sample WAN-AP1-FD-03 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 WAN-WGWC-19. Since the absolute difference between the parent and field duplicate results was less than the RL, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/l)	Laboratory Flag	RPD	Validation Result (mg/l)	Validation Qualifier	Reason Code
WAN-AP1-FD-02	Alkalinity Total as CaCO3	77	NA	150	77	J	FD1
WAN-WGWC-16	Alkalinity Total as CaCO3	11	NA		11	J	FD1
WAN-AP1-FD-02	Bicarbonate Alkalinity as CaCO3	77	NA	150	77	J	FD1
WAN-WGWC-16	Bicarbonate Alkalinity as CaCO3	11	NA		11	J	FD1
WAN-AP1-FD-02	Chloride	2.3	F1	170	2.3	J	FD1
WAN-WGWC-16	Chloride	28	NA		28	J	FD1
WAN-AP1-FD-02	Sulfate	5.4	F1	152	5.4	J	FD1
WAN-WGWC-16	Sulfate	40	NA		40	J	FD1

mg/L-milligrams per liter
F1-MS and/or MSD recovery exceeds control limits
NA-not applicable

3.8 Field Blank

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09, were collected with the sample set. Wet chemistry parameters were not detected in the field blank at or above the MDLs.

3.9 Equipment Blank

Three equipment blanks WAN-AP1-EB-01, WAN-AP1-EB-02 and WAN-AP1-EB-03 were collected with the sample set. Wet chemistry parameters were not detected in the field blank at or above the MDLs, with the following exception.

Sulfide (1.2 mg/L) was detected at a concentration greater than the RL in equipment blank, WAN-AP1-EB-01. Therefore, the detected concentration in sample WAN-WGWC-28D was J+ qualified as estimated with a high bias. Since the other samples were nondetect, no qualifications were applied to those data.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
WAN-WGWC-28D	Sulfide	1.5	NA	1.5	J+	BEH

mg/L-milligrams per liter
NA-not applicable

3.10 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

4.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

⊗ Overall Assessment
✓ Holding Times
⊗ Method Blank
✓ Matrix Spike/Matrix Spike Duplicate

- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ✓ Field Duplicate
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ 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 samples WAN-PZ-31, WAN-WAMW-1 and WAN-WGWC-13 were 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, the total radium concentration in samples WAN-PZ-31, WAN-WAMW-1 and WAN-WGWC-13 were U qualified as not detected.

Radium-226 was detected in sample WAN-WGWC-10 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
WAN-PZ-31	Combined Radium 226 + 228	0.714	NA	0.714	U	RO1
WAN-WAMW-1	Combined Radium 226 + 228	0.557	NA	0.557	U	RO1
WAN-WGWC-13	Combined Radium 226 + 228	0.589	NA	0.589	U	RO1
WAN-WGWC-10	Combined Radium 226 + 228	0.440	U	0.440	NA	RO1

pCi/L-picocuries per liter
U-not detected at or above the MDC
NA-not applicable

4.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

4.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Method blanks were reported for the radium-226 and radium-228 data. Radium-226 and radium-228 were not detected in the method blanks at or above the measured 2σ uncertainty or the MDC, with the following exceptions.

Radium-228 (0.8430 pCi/L) was detected in the method blank in batch 703880 at a concentration greater than the MDC. Therefore, the radium-228 concentrations with a mean difference greater than 2 and a concentration less than ten times the method blank concentration for radium-228 in the associated samples were J qualified as estimated and the radium-228 concentrations with a mean difference between 0-2 were UJ qualified as not statistically distinguishable from the blank. In addition, the combined radium 226 + 228 concentrations in samples WAN-AP1-FD-02, WAN-WGWC-14A, WAN-WGWC-21, WAN-WGWC-22, WAN-WGWC-24, WAN-WGWC-25, WAN-WGWC-27 and WAN-WGWC-28D were J qualified as estimated since the radium-226 results in these samples were greater than the MDC, and the combined radium 226 + 228 concentrations in samples WAN-PZ-26D, WAN-WAMW-2, WAN-WGWC-15, WAN-WGWC-16 and WAN-WGWC-20 were UJ qualified as not statistically distinguishable from the blank, since the radium-228 results were UJ qualified as not statistically distinguishable from the blank and radium-226 was detected above the MDC for these samples.

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
WAN-AP1-FD-02	Radium-228	0.678	NA	0.678	UJ	BL
WAN-AP1-FD-02	Combined Radium 226 + 228	0.898	NA	0.898	J	BL
WAN-PZ-26D	Radium-228	0.578	NA	0.578	UJ	BL
WAN-PZ-26D	Combined Radium 226 + 228	0.648	NA	0.648	UJ	BL
WAN-WAMW-2	Radium-228	0.657	NA	0.657	UJ	BL
WAN-WAMW-2	Combined Radium 226 + 228	0.800	NA	0.800	UJ	BL
WAN-WGWC-14A	Radium-228	0.764	NA	0.764	UJ	BL

Sample ID	Compound	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
WAN-WGWC-14A	Combined Radium 226 + 228	0.968	NA	0.968	J	BL
WAN-WGWC-15	Radium-228	1.00	NA	1.00	UJ	BL
WAN-WGWC-15	Combined Radium 226 + 228	1.11	NA	1.11	UJ	BL
WAN-WGWC-16	Radium-228	1.01	NA	1.01	UJ	BL
WAN-WGWC-16	Combined Radium 226 + 228	1.14	NA	1.14	UJ	BL
WAN-WGWC-20	Radium-228	0.976	NA	0.976	UJ	BL
WAN-WGWC-20	Combined Radium 226 + 228	1.12	NA	1.12	UJ	BL
WAN-WGWC-21	Radium-228	1.42	NA	1.42	UJ	BL
WAN-WGWC-21	Combined Radium 226 + 228	1.70	NA	1.70	J	BL
WAN-WGWC-22	Radium-228	3.05	NA	3.05	J	BL
WAN-WGWC-22	Combined Radium 226 + 228	4.31	NA	4.31	J	BL
WAN-WGWC-24	Radium-228	0.583	NA	0.583	UJ	BL
WAN-WGWC-24	Combined Radium 226 + 228	0.801	NA	0.801	J	BL
WAN-WGWC-25	Radium-228	1.04	NA	1.04	UJ	BL
WAN-WGWC-25	Combined Radium 226 + 228	1.43	NA	1.43	J	BL
WAN-WGWC-27	Radium-228	3.94	NA	3.94	J	BL
WAN-WGWC-27	Combined Radium 226 + 228	5.08	NA	5.08	J	BL
WAN-WGWC-28D	Radium-228	6.04	NA	6.04	J	BL
WAN-WGWC-28D	Combined Radium 226 + 228	7.79	NA	7.79	J	BL

pCi/L-picocuries per liter
NA-not applicable

4.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were not reported with data.

4.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). LCS/LCS duplicate (LCSD) pairs were reported for radium-226 and radium-228. The recovery and replicate error ratio (RER) [2 sigma (2σ)] results were within the laboratory specified acceptance criteria.

4.6 Laboratory Duplicate

Two laboratory duplicates were reported with the sample set using samples WAN-WGWC-13 and WAN-PZ-31. The RER [2 sigma (2σ)] results were within the laboratory specified acceptance criteria.

4.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses, and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Duplicate

Two field duplicate samples, WAN-AP1-FD-02 and WAN-AP1-FD-03, 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, WAN-WGWC-16 and WAN-WGWC-19, respectively.

4.9 Field Blank

Two field blanks, WAN-AP1-FB-08 and WAN-AP1-FB-09, were collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blanks at or above the measured 2σ uncertainty or the MDC.

4.10 Equipment Blank

Three equipment blanks WAN-AP1-EB-01, WAN-AP1-EB-02 and WAN-AP1-EB-03 were collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the equipment blanks at or above the measured 2σ uncertainty or the MDC.

4.11 Sensitivity

The samples were reported to the MDCs. The laboratory noted that sample WAN-WGWC-23 was G flagged to indicate that the sample's MDC is greater than the requested reporting limit. 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 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 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.

V Historical undefined qualifier.

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ATTACHMENT 2
DATA VALIDATION 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:	14 July 2025
To:	Robert Singleton
From:	Ashley Wilson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins Laboratory Job ID 680-263379-1, Revision 1**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one water sample collected 7 April 2025, as part of the Plant Wansley Ash Pond on-site sampling event. The sample was analyzed at Eurofins Savannah, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Alkalinity by Standard Method (SM) 2320B
- Sulfide by SM 4500-S2 F-2011
- Anions (Chloride, Fluoride and Sulfate) by USEPA Method 300.0
- Total Dissolved Solids (TDS) by 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 as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment, and the following documents:

- United States (US) EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following sample was analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
680-263379-1	WAN-PZ-32D

The laboratory reported results for the analytical method(s) requested for each sample on the chain of custody (COC).

The sample was received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

The laboratory report was revised on 7/7/2025 to include all metals USEPA Method 3005A/6020B QC data for sample WAN-PZ-32D. The laboratory report was identified as 680-263379-1, Revision 1.

1.0 METALS

The sample was 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
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package 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 the sample submitted for this analysis, for this data set is 100%.

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 time was met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples). Metals were not detected in the method blank 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 type of sample analyzed (one per batch of 20 samples).

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the sample 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 type of sample analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Duplicate

Field duplicate samples were not reported with the sample set.

1.7 Equipment Blank

Equipment blanks were not reported with the sample set.

1.8 Field Blank

Field blanks were not reported with the sample set.

1.9 Sensitivity

The sample was reported to the MDL. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 WET CHEMISTRY

The sample was analyzed for anions by US EPA method 300.0, sulfide by SM 4500 S2 F-2011, alkalinity by SM 2320B-2011 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
✓ Equipment Blank
✓ Field Blank
✓ Field Duplicate
⊗ Laboratory Duplicate
✓ Sensitivity
✓ Electronic Data Deliverables Review

2.1 Overall Assessment

The wet chemistry data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

2.1.1 Completeness

The wet chemistry data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

2.1.2 Analysis Anomaly

The laboratory indicated that the sulfide method requirement for no headspace was not met for sample WAN-PZ-32D. Since the sample was preserved with sodium hydroxide and zinc acetate, no qualifications were applied to the data.

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
Alkalinity	SM 2320B	14 days from collection to analysis
TDS	SM 2540C	7 days from collection to analysis
Sulfide	SM 4500-S2D	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 type of sample 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

MS/MSDs were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples).

Batch MS/MSD pairs were reported for anions, sulfide. Since these were batch QC, the results do not affect the sample 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 type of sample analyzed (one per batch of 20 samples). The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Equipment blanks were not reported with the sample set.

2.7 Field Blank

Field blanks were not reported with the sample set.

2.8 Field Duplicate

Field duplicate samples were not reported with the sample set.

2.9 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for alkalinity, TDS and sulfide using sample WAN-PZ-32D. The RPD results were within the laboratory specified acceptance criteria, with the following exception.

The RPD of TDS in the laboratory duplicate using sample WAN-PZ-32D was high and outside of laboratory specified acceptance criteria. Therefore, the TDS concentration in sample WAN-PZ-32D was J qualified as estimated.

Sample ID	Compound	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
WAN-PZ-32D	Total Dissolved Solids	1700	NA	1700	J	LD1

mg/L- milligram per liter
NA-not applicable
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

2.10 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

2.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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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 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 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.

V Historical undefined qualifier.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D

DQM Reason Code	Description
CV2	ICV or CCV %R
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

DQM Reason Code	Description
NR1	NUMERIC RESULTS
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

DQM Reason Code	Description
SPR4	LCL > BLANK > LOW_CUTOFF
SPR5	LCL > INORG > LOW_CUTOFF
SPR6	LCL > ORG > LOW_CUTOFF
SPR7	BLANK SPIKE < LOW_CUTOFF
SPR8	INORGANIC SPIKE < LOW_CUTOFF
SPR9	ORGANIC SPIKE < LOW_CUTOFF
SU	Surrogate outlier
SU1	Surrogate
SU2	Surrogate diluted out
SURR1	ASSO. DETECTS OF LCL > REC > LOW_CUTOFF
SURR10	EarthSoft.DQM.SurrogateRecovery
SURR11	EarthSoft.DQM.SurrogateRecovery
SURR12	EarthSoft.DQM.SurrogateRecovery
SURR2	ASSO. DETECTS OF REC < LOW_CUTOFF
SURR3	ASSO. DETECTS OF REC > UCL
SURR4	ASSO. NDS OF LCL > REC > LOW_CUTOFF
SURR5	ASSO. NDS OF REC < LOW_CUTOFF
SURR6	ASSO. NDS OF REC > UCL
SURR7	LCL > REC > LOW_CUTOFF
SURR8	REC < LOW_CUTOFF
SURR9	REC > UCL
TBC1	BLANK CONTAMINATION
TBC2	RESULT < BLANK * MULTIPLIER
TBC3	RESULT > BLANK * MULTIPLIER
TR	Trace Detection
TR1	Trace detection
TRA1	Tracer is outside of UCL or LCL
TRA2	Associated result of a tracer less than the LCL
TRA3	Associated detect result of a tracer greater than the UCL
VC1	Canister vacuum
VC2	Canister contamination
VSU1	INVALID SAMPLE UNIT TYPE
VSU2	MISSING SAMPLE UNIT TYPE
VSU3	NON-DEFAULT RESULT UNIT

AD-Absolute Difference
CCV-Continuous Calibration Verification
CL-Control Limit
%D-Percent Difference
IC-Initial Calibration

ICV-Initial Calibration Verification
INORG-Inorganic
LCL-Lower Control Limit
LCS-Laboratory Control Spike
LCSD-Laboratory Control Spike Duplicate
LS-Laboratory Spike
MDL-Method Detection Limit
MS-Matrix Spike
MSD-Matrix Spike Duplicate
ND-Not Detected
ORG-Organic
QC-Quality Control
%R-Percent Recovery
REC-Recovery
RL-Reporting Limit
RPD-Relative Percent Difference
RRF-Relative Response Factor
RSD-Relative Standard Deviation
UCL-Upper Control Limit
UCO-Upper Cut Off

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Memorandum

Date:	14 July 2025
To:	Robert Singleton
From:	Ashley Wilson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins Laboratory Job ID 680-263382-1**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one water sample collected 7 April 2025, as part of the Plant Wansley Ash Pond on-site sampling event. The sample was analyzed at Eurofins Savannah, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Alkalinity by Standard Method (SM) 2320B
- Sulfide by SM 4500-S2 F-2011
- Anions (Chloride, Fluoride and Sulfate) by USEPA Method 300.0
- Total Dissolved Solids (TDS) by 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 as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment, and the following documents:

- United States (US) EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following sample was analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
680-263382-1	WAN-PZ-33D

The laboratory reported results for the analytical method(s) requested for each sample on the chain of custody (COC).

The sample was received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

1.0 METALS

The sample was 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
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package 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 the sample submitted for this analysis, for this data set is 100%.

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 time was met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples). Metals were not detected in the method blank 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 type of sample analyzed (one per batch of 20 samples).

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the sample 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 type of sample analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Duplicate

Field duplicate samples were not reported with the sample set.

1.7 Equipment Blank

Equipment blanks were not reported with the sample set.

1.8 Field Blank

Field blanks were not reported with the sample set.

1.9 Sensitivity

The sample was reported to the MDL. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 WET CHEMISTRY

The sample was analyzed for anions by US EPA method 300.0, sulfide by SM 4500 S2 F-2011, alkalinity by SM 2320B-2011 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
✓ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Laboratory Duplicate
✓ Sensitivity
✓ Electronic Data Deliverables Review

2.1 Overall Assessment

The wet chemistry data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

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
Alkalinity	SM 2320B	14 days from collection to analysis
TDS	SM 2540C	7 days from collection to analysis
Sulfide	SM 4500-S2D	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 type of sample 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

MS/MSDs were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples). One sample set specific MS/MSD pair was reported for sulfide using sample WAN-PZ-33D. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exception.

The recoveries of sulfide in the MS/MSD pair using sample WAN-PZ-33D were low and outside of laboratory specified acceptance criteria. Therefore, the nondetect result of sulfide in sample WAN-PZ-33D was UJ qualified as estimated below the reporting limit (RL).

Batch MS/MSD pairs were reported for anions. Since these were batch QC, the results do not affect the sample 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**
WAN-PZ-33D	Sulfide	0.81	UF1	0.81	UJ	MS1

mg/L- milligram per liter
U-not detected at or above the MDL
F1-MS and/or MSD recovery exceeds control limits
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples). The recovery and RPD results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Equipment blanks were not reported with the sample set.

2.7 Field Blank

Field blanks were not reported with the sample set.

2.8 Field Duplicate

Field duplicate samples were not reported with the sample set.

2.9 Laboratory Duplicate

Batch laboratory duplicates were reported for alkalinity, sulfide, and TDS. Since these were batch QC, the results do not affect the sample in this data set and qualifications were not applied to the data.

2.10 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

2.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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**+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 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 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.

V Historical undefined qualifier.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D

DQM Reason Code	Description
CV2	ICV or CCV %R
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

DQM Reason Code	Description
NR1	NUMERIC RESULTS
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

DQM Reason Code	Description
SPR4	LCL > BLANK > LOW_CUTOFF
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

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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:	15 August 2025
To:	Robert Singleton
From:	Ashley Wilson
CC:	Kristoffer Henderson
Subject:	**Stage 2A Data Validation - Level II Data Deliverable – Eurofins Laboratory Job ID 680-264577-1**

SITE: Plant Wansley Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one water sample collected 4 June 2025, as part of the Plant Wansley Ash Pond on-site sampling event. The sample was analyzed at Eurofins Savannah, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3005A/6020B
- Alkalinity by Standard Method (SM) 2320B
- Sulfide by SM 4500-S2 F-2011
- Anions (Chloride, Fluoride and Sulfate) by USEPA Method 300.0
- Total Dissolved Solids (TDS) by 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 as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment, and the following documents:

- United States (US) EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011); and
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006).

The following sample was analyzed and reported in the laboratory reports:

Laboratory IDs	Client IDs
680-264577-1	WAN-PZ-23D

The laboratory reported results for the analytical method(s) requested for each sample on the chain of custody (COC).

The sample was received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

1.0 METALS

The sample was 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
- ✓ Field Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data package 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 the sample submitted for this analysis, for this data set is 100%.

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 time was met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples). Metals were not detected in the method blank 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 type of sample analyzed (one per batch of 20 samples).

Batch MS/MSD pairs were reported. Since these were batch QC, the results do not affect the sample 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 type of sample analyzed (one per batch of 20 samples). The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Duplicate

Field duplicate samples were not reported with the sample set.

1.7 Equipment Blank

Equipment blanks were not reported with the sample set.

1.8 Field Blank

Field blanks were not reported with the sample set.

1.9 Sensitivity

The sample was reported to the MDL. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 WET CHEMISTRY

The sample was analyzed for anions by US EPA method 300.0, sulfide by SM 4500 S2 F-2011, alkalinity by SM 2320B-2011 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
✓ Equipment Blank
✓ Field Blank
✓ Field Duplicate
✓ Laboratory Duplicate
✓ Sensitivity
✓ Electronic Data Deliverables Review

2.1 Overall Assessment

The wet chemistry data reported in this data package are considered to be 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 the sample submitted for this analysis, for this data package is 100%.

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
Alkalinity	SM 2320B	14 days from collection to analysis
TDS	SM 2540C	7 days from collection to analysis
Sulfide	SM 4500-S2D	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 type of sample 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

MS/MSDs were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported for anions and sulfide using sample WAN-PZ-33D. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of chloride and sulfate in the MS/MSD pair using sample WAN-PZ-23D were high and outside of laboratory specified acceptance criteria. Therefore, the chloride concentration in sample WAN-PZ-23D was J+ qualified as estimated with a high bias. Since the concentration of sulfate was greater than four times the spike amount, no qualifications were applied to the sulfate result.

Batch MS/MSD pairs were reported for anions. Since these were batch QC, the results do not affect the sample 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**
WAN-PZ-23D	Chloride	11	F1	11	J+	MS1
WAN-PZ-23D	Sulfate	58	NA	58	NA$^{\beta}$	MS3

mg/L- milligram per liter
U-not detected at or above the MDL
F1-MS and/or MSD recovery exceeds control limits
NA$^{\beta}$-Not applicable. The laboratory flag was removed, and no qualifications were applied to the data based on this validation.
* Validation qualifiers are defined in Attachment 1 at the end of this report
**Reason codes are defined in Attachment 2 at the end of this report

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and type of sample analyzed (one per batch of 20 samples). The recovery and RPD results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Equipment blanks were not reported with the sample set.

2.7 Field Blank

Field blanks were not reported with the sample set.

2.8 Field Duplicate

Field duplicate samples were not reported with the sample set.

2.9 Laboratory Duplicate

One sample set specific laboratory duplicate was reported for alkalinity using sample, WAN-PZ-23D. The RPD results were within the laboratory specified acceptance criteria.

Batch laboratory duplicates were reported for sulfide and TDS. Since these were batch QC, the results do not affect the sample in this data set and qualifications were not applied to the data.

2.10 Sensitivity

The sample was reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

2.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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**+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 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 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.

V Historical undefined qualifier.

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ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

DQM Reason Code	Description
AB1	> Samples in batch
AB2	QC sample missing
AB3	Batch analysis time exceeded
BAH	Contamination detected in the Ambient Blank greater than or equal to the Quantitation Limit.
BAL	Contamination detected in the Ambient Blank less than the Quantitation Limit.
BC	Calibration blank contamination
BC1	assoc. result < RL
BC2	assoc. result > RL < mult.
BC3	assoc. result > RL > mult.
BEH	Contamination detected in the Equipment Blank greater than or equal to the Quantitation Limit.
BEL	Contamination detected in the Equipment Blank less than the Quantitation Limit.
BF	Field blank contamination
BF1	assoc. result < RL
BF2	assoc. result > RL < mult.
BF3	assoc. result > RL > mult.
BFH	Contamination detected in the Field Blank greater than or equal to the Quantitation Limit.
BFL	Contamination detected in the Field Blank less than the Quantitation Limit.
BL	Laboratory blank contamination
BL1	assoc. result < RL
BL2	assoc. result > RL < mult.
BL3	assoc. result > RL > mult.
BLH	Contamination detected in the Lab Blank greater than or equal to the Quantitation Limit.
BLL	Contamination detected in the Lab Blank less than the Quantitation Limit.
BT	Trip blank contamination
BT1	assoc. result < RL
BT2	assoc. result > RL < mult.
BT3	assoc. result > RL > mult.
BTH	Contamination detected in the Trip Blank greater than or equal to the Quantitation Limit.
BTL	Contamination detected in the Trip Blank less than the Quantitation Limit.
CA1	Column difference
CC1	CCV %D
CC2	CCV %R
CC3	CCV RRF
CI1	IC RSD
CI2	IC RRF
CR1	Calibration range
CV1	ICV or CCV %D

DQM Reason Code	Description
CV2	ICV or CCV %R
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

DQM Reason Code	Description
NR1	NUMERIC RESULTS
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

DQM Reason Code	Description
SPR4	LCL > BLANK > LOW_CUTOFF
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

APPENDIX C2

Field Sampling Forms

Low-Flow Test Report:

Test Date / Time: 2/13/2025 12:50:03 PM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: PZ-26D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 70.1 ft** **Total Depth: 80.1 ft** **Initial Depth to Water: 14.22 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 75 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 28.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1320. Sunny, 53 degrees F.
EB-03 here on gloves.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/13/2025 12:50 PM	00:00	5.99 pH	21.64 °C	165.64 µS/cm	4.63 mg/L	1.99 NTU	83.0 mV	14.22 ft	200.00 ml/min
2/13/2025 12:55 PM	05:00	6.29 pH	18.93 °C	176.01 µS/cm	1.50 mg/L	1.91 NTU	62.9 mV	15.27 ft	200.00 ml/min
2/13/2025 1:00 PM	10:00	6.36 pH	18.81 °C	175.48 µS/cm	1.27 mg/L	2.02 NTU	44.8 mV	15.83 ft	200.00 ml/min
2/13/2025 1:05 PM	15:00	6.39 pH	18.64 °C	174.86 µS/cm	1.18 mg/L	2.57 NTU	40.6 mV	16.22 ft	200.00 ml/min
2/13/2025 1:10 PM	20:00	6.40 pH	18.88 °C	176.06 µS/cm	1.14 mg/L	2.38 NTU	38.4 mV	16.51 ft	200.00 ml/min
2/13/2025 1:15 PM	25:00	6.41 pH	19.20 °C	174.44 µS/cm	1.13 mg/L	1.91 NTU	37.4 mV	16.57 ft	200.00 ml/min
2/13/2025 1:20 PM	30:00	6.40 pH	19.11 °C	176.11 µS/cm	1.12 mg/L	1.83 NTU	37.0 mV	16.62 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/13/2025 12:45:09 PM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: PZ-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.44 ft** **Total Depth: 42.44 ft** **Initial Depth to Water: 21.63 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 21.24 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1315
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	
2/13/2025 12:45 PM	00:00	5.22 pH	18.03 °C	42.37 µS/cm	5.51 mg/L	10.50 NTU	161.9 mV	21.63 ft	200.00 ml/min
2/13/2025 12:50 PM	05:00	5.12 pH	18.42 °C	37.43 µS/cm	3.05 mg/L	10.80 NTU	227.1 mV	23.00 ft	200.00 ml/min
2/13/2025 12:55 PM	10:00	5.12 pH	18.32 °C	37.28 µS/cm	2.92 mg/L	11.00 NTU	225.8 mV	23.20 ft	200.00 ml/min
2/13/2025 1:00 PM	15:00	5.14 pH	18.37 °C	37.41 µS/cm	2.67 mg/L	7.99 NTU	217.4 mV	23.40 ft	200.00 ml/min
2/13/2025 1:05 PM	20:00	5.16 pH	18.44 °C	37.61 µS/cm	2.46 mg/L	4.53 NTU	220.8 mV	23.40 ft	200.00 ml/min
2/13/2025 1:10 PM	25:00	5.16 pH	18.44 °C	37.22 µS/cm	2.37 mg/L	4.78 NTU	210.6 mV	23.40 ft	200.00 ml/min
2/13/2025 1:15 PM	30:00	5.17 pH	18.53 °C	37.47 µS/cm	2.32 mg/L	3.06 NTU	212.2 mV	23.40 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/12/2025 1:20:50 PM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: WAMW-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 114.6 ft** **Total Depth: 124.6 ft** **Initial Depth to Water: 24.39 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 119 ft** **Estimated Total Volume Pumped: 12 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Sampled at 1351. Raining 46 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	
2/12/2025 1:20 PM	00:00	7.11 pH	13.43 °C	228.37 µS/cm	0.40 mg/L	3.28 NTU	51.0 mV	24.39 ft	400.00 ml/min
2/12/2025 1:25 PM	05:00	7.38 pH	12.84 °C	231.46 µS/cm	0.24 mg/L	2.54 NTU	39.8 mV	24.39 ft	400.00 ml/min
2/12/2025 1:30 PM	10:00	7.48 pH	12.90 °C	231.41 µS/cm	0.21 mg/L	1.98 NTU	25.1 mV	24.39 ft	400.00 ml/min
2/12/2025 1:35 PM	15:00	7.53 pH	12.74 °C	232.53 µS/cm	0.19 mg/L	1.34 NTU	21.2 mV	24.39 ft	400.00 ml/min
2/12/2025 1:40 PM	20:00	7.52 pH	12.78 °C	227.27 µS/cm	0.16 mg/L	1.21 NTU	17.9 mV	24.39 ft	400.00 ml/min
2/12/2025 1:45 PM	25:00	7.48 pH	12.83 °C	227.68 µS/cm	0.15 mg/L	1.42 NTU	12.9 mV	24.39 ft	400.00 ml/min
2/12/2025 1:50 PM	30:00	7.45 pH	12.74 °C	226.10 µS/cm	0.15 mg/L	1.65 NTU	7.2 mV	24.39 ft	400.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 10:59:10 AM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: WAMW-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 76.92 ft** **Total Depth: 86.92 ft** **Initial Depth to Water: 16.44 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 81 ft** **Estimated Total Volume Pumped: 8.75 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 350 ml/min** **Final Draw Down: 0.54 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Sampled at 1124. Raining 44 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	
2/12/2025 10:59 AM	00:00	7.33 pH	10.03 °C	182.97 µS/cm	5.82 mg/L	7.47 NTU	139.2 mV	16.44 ft	350.00 ml/min
2/12/2025 11:04 AM	05:00	6.65 pH	14.11 °C	153.72 µS/cm	0.39 mg/L	5.35 NTU	96.2 mV	16.90 ft	350.00 ml/min
2/12/2025 11:09 AM	10:00	6.50 pH	13.94 °C	153.58 µS/cm	0.25 mg/L	4.83 NTU	110.7 mV	16.96 ft	350.00 ml/min
2/12/2025 11:14 AM	15:00	6.45 pH	13.78 °C	153.49 µS/cm	0.23 mg/L	4.27 NTU	97.3 mV	16.98 ft	350.00 ml/min
2/12/2025 11:19 AM	20:00	6.38 pH	13.73 °C	153.55 µS/cm	0.18 mg/L	3.31 NTU	22.7 mV	16.98 ft	350.00 ml/min
2/12/2025 11:24 AM	25:00	6.41 pH	13.89 °C	156.85 µS/cm	0.14 mg/L	2.83 NTU	2.4 mV	16.98 ft	350.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/10/2025 3:45:05 PM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: WGWA-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 119.86 ft** **Total Depth: 129.86 ft** **Initial Depth to Water: 29.71 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 124 ft** **Estimated Total Volume Pumped: 17.87 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 2.52 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
1650 sample time. Cloudy, 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	
2/10/2025 3:45 PM	00:00	7.93 pH	16.38 °C	30.39 µS/cm	7.90 mg/L	1.21 NTU	77.5 mV	29.71 ft	275.00 ml/min
2/10/2025 3:50 PM	05:00	6.69 pH	16.29 °C	29.82 µS/cm	4.49 mg/L	0.76 NTU	64.8 mV	29.87 ft	275.00 ml/min
2/10/2025 3:55 PM	10:00	5.87 pH	16.79 °C	30.44 µS/cm	0.97 mg/L	0.66 NTU	14.9 mV	29.92 ft	275.00 ml/min
2/10/2025 4:00 PM	15:00	5.57 pH	16.70 °C	30.85 µS/cm	0.47 mg/L	0.43 NTU	-2.4 mV	29.92 ft	275.00 ml/min
2/10/2025 4:05 PM	20:00	5.43 pH	16.70 °C	31.06 µS/cm	0.76 mg/L	0.47 NTU	30.5 mV	29.92 ft	275.00 ml/min
2/10/2025 4:10 PM	25:00	5.39 pH	16.74 °C	31.15 µS/cm	0.95 mg/L	0.32 NTU	41.4 mV	29.92 ft	275.00 ml/min
2/10/2025 4:15 PM	30:00	5.38 pH	16.83 °C	31.05 µS/cm	1.07 mg/L	0.21 NTU	45.5 mV	29.92 ft	275.00 ml/min
2/10/2025 4:20 PM	35:00	5.39 pH	16.77 °C	31.07 µS/cm	1.16 mg/L	0.22 NTU	47.4 mV	29.92 ft	275.00 ml/min
2/10/2025 4:25 PM	40:00	5.39 pH	16.63 °C	31.08 µS/cm	1.20 mg/L	0.17 NTU	48.3 mV	29.92 ft	275.00 ml/min
2/10/2025 4:30 PM	45:00	5.39 pH	16.66 °C	31.18 µS/cm	1.23 mg/L	0.22 NTU	48.8 mV	29.92 ft	275.00 ml/min
2/10/2025 4:35 PM	50:00	5.40 pH	16.67 °C	31.19 µS/cm	1.26 mg/L	0.17 NTU	49.0 mV	29.92 ft	275.00 ml/min
2/10/2025 4:40 PM	55:00	5.40 pH	16.77 °C	31.19 µS/cm	1.28 mg/L	0.16 NTU	49.5 mV	29.92 ft	275.00 ml/min
2/10/2025 4:45 PM	01:00:00	5.40 pH	16.72 °C	31.17 µS/cm	1.31 mg/L	0.17 NTU	49.9 mV	29.92 ft	275.00 ml/min
2/10/2025 4:50 PM	01:05:00	5.40 pH	16.72 °C	31.23 µS/cm	1.33 mg/L	0.17 NTU	62.2 mV	29.92 ft	275.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/10/2025 3:55:31 PM
Project: Plant Wansley Ash Pond
Operator Name: J. Berisford

Location Name: WGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 92.46 ft** **Total Depth: 102.46 ft** **Initial Depth to Water: 11.04 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 97 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 9 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Cloudy, sample time-1625

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	
2/10/2025 3:55 PM	00:00	7.43 pH	15.21 °C	113.05 µS/cm	6.46 mg/L	0.96 NTU	151.8 mV	11.04 ft	250.00 ml/min
2/10/2025 4:00 PM	05:00	6.54 pH	14.98 °C	124.98 µS/cm	0.29 mg/L	0.77 NTU	78.6 mV	11.60 ft	250.00 ml/min
2/10/2025 4:05 PM	10:00	6.45 pH	14.64 °C	119.33 µS/cm	0.19 mg/L	0.67 NTU	89.5 mV	11.80 ft	250.00 ml/min
2/10/2025 4:10 PM	15:00	6.44 pH	14.84 °C	118.15 µS/cm	0.17 mg/L	0.61 NTU	73.1 mV	11.80 ft	250.00 ml/min
2/10/2025 4:15 PM	20:00	6.43 pH	14.66 °C	118.08 µS/cm	0.17 mg/L	0.53 NTU	79.4 mV	11.80 ft	250.00 ml/min
2/10/2025 4:20 PM	25:00	6.44 pH	14.84 °C	118.17 µS/cm	0.18 mg/L	0.39 NTU	66.3 mV	11.80 ft	250.00 ml/min
2/10/2025 4:25 PM	30:00	6.44 pH	14.66 °C	118.11 µS/cm	0.20 mg/L	0.42 NTU	72.2 mV	11.80 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/10/2025 3:41:11 PM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: WGWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 9 ft** **Total Depth: 19 ft** **Initial Depth to Water: 4.5 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 14 ft** **Estimated Total Volume Pumped: 19.5 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: 1183949**

Test Notes:
Sample Time: 1646
Cloudy, 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	
2/10/2025 3:41 PM	00:00	5.82 pH	16.14 °C	28.14 µS/cm	5.67 mg/L	1.97 NTU	189.7 mV	4.60 ft	300.00 ml/min
2/10/2025 3:46 PM	05:00	5.53 pH	16.02 °C	27.99 µS/cm	5.14 mg/L	0.38 NTU	207.6 mV	4.60 ft	300.00 ml/min
2/10/2025 3:51 PM	10:00	5.20 pH	16.07 °C	27.91 µS/cm	5.09 mg/L	0.43 NTU	226.6 mV	4.60 ft	300.00 ml/min
2/10/2025 3:56 PM	15:00	5.10 pH	15.99 °C	27.87 µS/cm	5.09 mg/L	0.33 NTU	234.9 mV	4.60 ft	300.00 ml/min
2/10/2025 4:01 PM	20:00	5.02 pH	16.02 °C	27.96 µS/cm	5.07 mg/L	0.28 NTU	241.1 mV	4.60 ft	300.00 ml/min
2/10/2025 4:21 PM	39:58	5.75 pH	16.00 °C	32.13 µS/cm	5.18 mg/L	0.43 NTU	195.4 mV	4.60 ft	300.00 ml/min
2/10/2025 4:26 PM	44:58	5.55 pH	16.02 °C	32.04 µS/cm	5.11 mg/L	0.36 NTU	203.6 mV	4.60 ft	300.00 ml/min
2/10/2025 4:31 PM	49:58	5.39 pH	16.02 °C	31.37 µS/cm	5.10 mg/L	0.27 NTU	214.8 mV	4.60 ft	300.00 ml/min
2/10/2025 4:36 PM	54:58	5.32 pH	15.96 °C	31.30 µS/cm	5.10 mg/L	0.28 NTU	220.2 mV	4.60 ft	300.00 ml/min
2/10/2025 4:41 PM	59:58	5.29 pH	15.98 °C	31.31 µS/cm	5.09 mg/L	0.29 NTU	225.1 mV	4.60 ft	300.00 ml/min
2/10/2025 4:46 PM	01:04:58	5.25 pH	15.95 °C	30.97 µS/cm	5.08 mg/L	0.30 NTU	230.4 mV	4.60 ft	300.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 9:40:21 AM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: WGWA-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 63.9 ft** **Total Depth: 73.9 ft** **Initial Depth to Water: 7.14 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 68 ft** **Estimated Total Volume Pumped: 3.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 7.92 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1005
Rainy, 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	
2/11/2025 9:40 AM	00:00	7.06 pH	13.80 °C	109.99 µS/cm	2.24 mg/L	0.95 NTU	-63.7 mV	7.14 ft	150.00 ml/min
2/11/2025 9:45 AM	05:00	7.50 pH	13.43 °C	117.17 µS/cm	0.78 mg/L	1.18 NTU	-83.3 mV	7.60 ft	150.00 ml/min
2/11/2025 9:50 AM	10:00	7.60 pH	13.32 °C	117.48 µS/cm	0.54 mg/L	1.25 NTU	-143.8 mV	7.70 ft	150.00 ml/min
2/11/2025 9:55 AM	15:00	7.61 pH	13.21 °C	116.84 µS/cm	0.46 mg/L	1.00 NTU	-165.1 mV	7.80 ft	150.00 ml/min
2/11/2025 10:00 AM	20:00	7.59 pH	13.37 °C	115.79 µS/cm	0.40 mg/L	1.14 NTU	-171.5 mV	7.80 ft	150.00 ml/min
2/11/2025 10:05 AM	25:00	7.58 pH	13.45 °C	115.46 µS/cm	0.34 mg/L	1.11 NTU	-173.9 mV	7.80 ft	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 10:50:41 AM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: WGWA-6 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 94.5 ft** **Total Depth: 104.5 ft** **Initial Depth to Water: 20.67 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 99 ft** **Estimated Total Volume Pumped: 6.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 6.36 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1135
Rainy, 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	
2/11/2025 10:50 AM	00:00	7.29 pH	14.04 °C	144.54 µS/cm	2.83 mg/L	0.37 NTU	-77.9 mV	20.67 ft	150.00 ml/min
2/11/2025 10:55 AM	05:00	8.00 pH	14.59 °C	143.66 µS/cm	0.63 mg/L	1.91 NTU	-194.8 mV	21.00 ft	150.00 ml/min
2/11/2025 11:00 AM	10:00	8.15 pH	14.62 °C	144.13 µS/cm	0.29 mg/L	1.99 NTU	-170.7 mV	21.10 ft	150.00 ml/min
2/11/2025 11:15 AM	24:55	7.45 pH	14.34 °C	155.34 µS/cm	0.72 mg/L	1.32 NTU	156.6 mV	21.20 ft	150.00 ml/min
2/11/2025 11:20 AM	29:55	7.92 pH	14.44 °C	147.88 µS/cm	0.31 mg/L	1.24 NTU	-55.2 mV	21.20 ft	150.00 ml/min
2/11/2025 11:25 AM	34:55	8.00 pH	14.64 °C	146.86 µS/cm	0.29 mg/L	1.07 NTU	-104.3 mV	21.20 ft	150.00 ml/min
2/11/2025 11:30 AM	39:55	8.02 pH	14.56 °C	145.04 µS/cm	0.27 mg/L	0.85 NTU	-130.9 mV	21.20 ft	150.00 ml/min
2/11/2025 11:35 AM	44:55	8.01 pH	14.69 °C	145.42 µS/cm	0.25 mg/L	0.74 NTU	-137.4 mV	21.20 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/11/2025 10:50:11 AM
Project: Plant Wansley Ash Pond
Operator Name: J. Berisford

Location Name: WGWA-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.04 ft** **Total Depth: 40.04 ft** **Initial Depth to Water: 32.63 ft**	**Pump Type: Portable bladder pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 37.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 36 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Rainy, sample time 1320

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	
2/11/2025 10:50 AM	00:00	7.44 pH				5.92 NTU	257.7 mV	32.63 ft	250.00 ml/min
2/11/2025 10:55 AM	05:00	7.19 pH	12.03 °C	138.56 µS/cm	3.49 mg/L	5.60 NTU	29.8 mV	33.30 ft	250.00 ml/min
2/11/2025 11:00 AM	10:00	6.97 pH	12.98 °C	67.77 µS/cm	7.69 mg/L	3.71 NTU	68.3 mV	33.70 ft	250.00 ml/min
2/11/2025 11:05 AM	15:00	6.76 pH	13.13 °C	76.19 µS/cm	6.71 mg/L	1.35 NTU	85.0 mV	34.00 ft	250.00 ml/min
2/11/2025 11:10 AM	20:00	6.71 pH	13.31 °C	83.29 µS/cm	5.93 mg/L	1.62 NTU	76.1 mV	34.50 ft	250.00 ml/min
2/11/2025 11:15 AM	25:00	6.84 pH	13.11 °C	108.03 µS/cm	4.82 mg/L	1.34 NTU	76.3 mV	34.80 ft	250.00 ml/min
2/11/2025 11:20 AM	30:00	7.22 pH	13.12 °C	188.99 µS/cm	0.50 mg/L	2.11 NTU	-46.3 mV	35.20 ft	250.00 ml/min
2/11/2025 11:25 AM	35:00	7.40 pH	13.35 °C	176.87 µS/cm	0.86 mg/L	2.05 NTU	-22.7 mV	35.50 ft	250.00 ml/min
2/11/2025 11:30 AM	40:00	7.42 pH	13.42 °C	167.26 µS/cm	1.19 mg/L	1.83 NTU	-19.9 mV	35.50 ft	250.00 ml/min
2/11/2025 11:35 AM	45:00	7.47 pH	12.87 °C	165.80 µS/cm	1.08 mg/L	1.97 NTU	-31.4 mV	35.60 ft	250.00 ml/min
2/11/2025 11:40 AM	50:00	7.43 pH	12.65 °C	139.10 µS/cm	1.67 mg/L	3.65 NTU	-25.4 mV	35.60 ft	250.00 ml/min
2/11/2025 11:45 AM	55:00	7.38 pH	12.09 °C	147.07 µS/cm	2.50 mg/L	3.45 NTU	-27.4 mV	35.60 ft	250.00 ml/min
2/11/2025 11:50 AM	01:00:00	7.36 pH	11.52 °C	121.61 µS/cm	3.60 mg/L	3.92 NTU	-19.9 mV	35.60 ft	250.00 ml/min
2/11/2025 11:55 AM	01:05:00	7.19 pH	11.25 °C	100.54 µS/cm	4.78 mg/L	4.40 NTU	3.3 mV	35.60 ft	250.00 ml/min
2/11/2025 12:00 PM	01:10:00	7.10 pH	11.10 °C	90.22 µS/cm	6.27 mg/L	4.21 NTU	17.1 mV	35.60 ft	250.00 ml/min

2/11/2025 12:10 PM	01:19:53	6.65 pH	9.44 °C	128.58 µS/cm	8.83 mg/L	4.13 NTU	1.5 mV	35.60 ft	250.00 ml/min
2/11/2025 12:15 PM	01:24:53	6.90 pH	10.74 °C	206.88 µS/cm	0.96 mg/L	3.82 NTU	-68.7 mV	35.60 ft	250.00 ml/min
2/11/2025 12:20 PM	01:29:53	7.12 pH	11.32 °C	207.91 µS/cm	0.61 mg/L	3.43 NTU	-71.2 mV	35.60 ft	250.00 ml/min
2/11/2025 12:25 PM	01:34:53	7.18 pH	10.75 °C	193.64 µS/cm	1.01 mg/L	3.20 NTU	-60.0 mV	35.60 ft	250.00 ml/min
2/11/2025 12:30 PM	01:39:53	7.03 pH	10.02 °C	141.23 µS/cm	2.87 mg/L	2.65 NTU	-24.0 mV	35.60 ft	250.00 ml/min
2/11/2025 12:35 PM	01:44:53	6.77 pH	10.10 °C	88.92 µS/cm	4.71 mg/L	2.37 NTU	13.5 mV	35.60 ft	250.00 ml/min
2/11/2025 12:40 PM	01:49:53	6.56 pH	10.42 °C	68.25 µS/cm	5.73 mg/L	2.21 NTU	30.0 mV	35.60 ft	250.00 ml/min
2/11/2025 12:45 PM	01:54:53	6.43 pH	10.65 °C	59.61 µS/cm	6.24 mg/L	3.28 NTU	37.3 mV	35.60 ft	250.00 ml/min
2/11/2025 12:50 PM	01:59:53	6.31 pH	10.73 °C	53.43 µS/cm	6.72 mg/L	2.96 NTU	45.2 mV	35.60 ft	250.00 ml/min
2/11/2025 12:55 PM	02:04:53	6.25 pH	10.72 °C	50.61 µS/cm	6.99 mg/L	1.73 NTU	57.1 mV	35.60 ft	250.00 ml/min
2/11/2025 1:00 PM	02:09:53	6.19 pH	10.81 °C	47.96 µS/cm	7.35 mg/L	1.83 NTU	55.8 mV	35.60 ft	250.00 ml/min
2/11/2025 1:05 PM	02:14:53	6.16 pH	10.79 °C	46.64 µS/cm	7.53 mg/L	1.76 NTU	59.4 mV	35.60 ft	250.00 ml/min
2/11/2025 1:10 PM	02:19:53	6.13 pH	10.77 °C	44.90 µS/cm	7.63 mg/L	1.45 NTU	62.4 mV	35.60 ft	250.00 ml/min
2/11/2025 1:15 PM	02:24:53	6.10 pH	10.80 °C	43.70 µS/cm	7.76 mg/L	1.48 NTU	65.0 mV	35.60 ft	250.00 ml/min
2/11/2025 1:20 PM	02:29:53	6.08 pH	10.75 °C	43.33 µS/cm	7.85 mg/L	1.54 NTU	67.0 mV	35.60 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/11/2025 10:05:51 AM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: WGWA-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.6 ft** **Total Depth: 39.6 ft** **Initial Depth to Water: 19.85 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 10.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 63.6 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1115. Rainy.

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	
2/11/2025 10:05 AM	00:00	8.26 pH	12.08 °C	91.63 µS/cm	10.04 mg/L	0.48 NTU	185.4 mV	19.85 ft	150.00 ml/min
2/11/2025 10:10 AM	05:00	6.51 pH	14.95 °C	121.40 µS/cm	1.89 mg/L	0.69 NTU	-87.9 mV	21.50 ft	150.00 ml/min
2/11/2025 10:15 AM	10:00	6.55 pH	16.14 °C	107.72 µS/cm	1.15 mg/L	0.50 NTU	-93.5 mV	22.82 ft	150.00 ml/min
2/11/2025 10:20 AM	15:00	6.29 pH	16.27 °C	87.74 µS/cm	1.81 mg/L	0.26 NTU	-42.5 mV	23.51 ft	150.00 ml/min
2/11/2025 10:25 AM	20:00	6.12 pH	16.20 °C	84.90 µS/cm	1.81 mg/L	0.31 NTU	-1.9 mV	23.87 ft	150.00 ml/min
2/11/2025 10:30 AM	25:00	6.08 pH	16.25 °C	85.37 µS/cm	1.58 mg/L	0.28 NTU	8.9 mV	24.22 ft	150.00 ml/min
2/11/2025 10:35 AM	30:00	6.07 pH	16.29 °C	81.76 µS/cm	1.53 mg/L	0.29 NTU	13.9 mV	24.94 ft	150.00 ml/min
2/11/2025 10:40 AM	35:00	6.00 pH	16.41 °C	70.74 µS/cm	2.51 mg/L	0.27 NTU	19.3 mV	25.00 ft	150.00 ml/min
2/11/2025 10:45 AM	40:00	5.93 pH	16.24 °C	64.84 µS/cm	3.21 mg/L	0.28 NTU	28.1 mV	25.00 ft	150.00 ml/min
2/11/2025 10:50 AM	45:00	5.87 pH	16.14 °C	62.28 µS/cm	3.15 mg/L	0.28 NTU	31.7 mV	25.01 ft	150.00 ml/min
2/11/2025 10:55 AM	50:00	5.82 pH	16.20 °C	61.11 µS/cm	2.89 mg/L	0.25 NTU	33.8 mV	25.02 ft	150.00 ml/min
2/11/2025 11:00 AM	55:00	5.78 pH	16.14 °C	60.70 µS/cm	2.61 mg/L	0.24 NTU	33.9 mV	25.08 ft	150.00 ml/min
2/11/2025 11:05 AM	01:00:00	5.74 pH	16.18 °C	61.11 µS/cm	2.43 mg/L	0.21 NTU	40.0 mV	25.12 ft	150.00 ml/min
2/11/2025 11:10 AM	01:05:00	5.75 pH	16.20 °C	61.40 µS/cm	2.35 mg/L	0.17 NTU	37.7 mV	25.15 ft	150.00 ml/min

2/11/2025 11:15 AM	01:10:00	5.74 pH	16.29 °C	60.90 µS/cm	2.40 mg/L	0.15 NTU	37.6 mV	25.15 ft	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 2:20:16 PM
Project: Plant Wansley Ash Pond
Operator Name: J. Berisford

Location Name: WGWC-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.38 ft** **Total Depth: 59.38 ft** **Initial Depth to Water: 6.71 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: 3.7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 9 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Light rain, sample time 1450

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	
2/11/2025 2:20 PM	00:00	6.60 pH	9.10 °C	0.00 µS/cm	11.31 mg/L	1.29 NTU	40.8 mV	6.71 ft	125.00 ml/min
2/11/2025 2:25 PM	05:00	5.85 pH	11.04 °C	663.14 µS/cm	2.53 mg/L	1.35 NTU	121.7 mV	7.40 ft	125.00 ml/min
2/11/2025 2:30 PM	10:00	5.27 pH	12.28 °C	655.20 µS/cm	1.49 mg/L	1.32 NTU	111.5 mV	7.40 ft	125.00 ml/min
2/11/2025 2:35 PM	15:00	5.22 pH	12.52 °C	648.93 µS/cm	1.24 mg/L	1.73 NTU	108.4 mV	7.40 ft	125.00 ml/min
2/11/2025 2:40 PM	20:00	5.24 pH	12.51 °C	645.32 µS/cm	1.18 mg/L	0.99 NTU	105.0 mV	7.40 ft	125.00 ml/min
2/11/2025 2:45 PM	25:00	5.24 pH	12.50 °C	647.58 µS/cm	1.19 mg/L	0.85 NTU	102.7 mV	7.40 ft	125.00 ml/min
2/11/2025 2:50 PM	30:00	5.23 pH	12.73 °C	649.40 µS/cm	1.17 mg/L	0.97 NTU	101.9 mV	7.40 ft	125.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/11/2025 3:36:17 PM
Project: Plant Wansley Ash Pond
Operator Name: J. Berisford

Location Name: WGWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 51.5 ft** **Total Depth: 61.5 ft** **Initial Depth to Water: 21.35 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 56 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 21 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Light rain, sample time-1606

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	
2/11/2025 3:36 PM	00:00	5.84 pH	15.64 °C	132.28 µS/cm	1.31 mg/L	3.60 NTU	117.1 mV	21.35 ft	100.00 ml/min
2/11/2025 3:41 PM	05:00	5.87 pH	14.39 °C	128.28 µS/cm	0.45 mg/L	3.11 NTU	92.0 mV	22.50 ft	100.00 ml/min
2/11/2025 3:46 PM	10:00	5.95 pH	13.59 °C	129.15 µS/cm	0.51 mg/L	1.83 NTU	82.8 mV	22.90 ft	100.00 ml/min
2/11/2025 3:51 PM	15:00	5.88 pH	13.42 °C	129.31 µS/cm	0.43 mg/L	2.03 NTU	78.7 mV	23.00 ft	100.00 ml/min
2/11/2025 3:56 PM	20:00	5.85 pH	13.27 °C	129.70 µS/cm	0.39 mg/L	1.99 NTU	76.4 mV	23.10 ft	100.00 ml/min
2/11/2025 4:01 PM	25:00	5.86 pH	13.19 °C	130.19 µS/cm	0.36 mg/L	1.50 NTU	74.4 mV	23.10 ft	100.00 ml/min
2/11/2025 4:06 PM	30:00	5.86 pH	13.10 °C	129.18 µS/cm	0.33 mg/L	0.98 NTU	73.0 mV	23.10 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/13/2025 9:35:48 AM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: WGWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 138.98 ft** **Total Depth: 148.98 ft** **Initial Depth to Water: 22.25 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 143 ft** **Estimated Total Volume Pumped: 5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 15.84 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1025. Cloudy, 52 degrees F.
EB02 here on water level

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	
2/13/2025 9:35 AM	00:00	7.07 pH	13.07 °C	159.36 µS/cm	9.75 mg/L	1.76 NTU	80.9 mV	22.25 ft	100.00 ml/min
2/13/2025 9:40 AM	05:00	7.01 pH	12.72 °C	78.88 µS/cm	9.38 mg/L	2.96 NTU	54.0 mV	22.76 ft	100.00 ml/min
2/13/2025 9:45 AM	10:00	6.73 pH	13.04 °C	65.12 µS/cm	5.02 mg/L	2.67 NTU	55.8 mV	23.07 ft	100.00 ml/min
2/13/2025 9:50 AM	15:00	6.41 pH	14.16 °C	63.86 µS/cm	2.51 mg/L	2.52 NTU	65.8 mV	23.25 ft	100.00 ml/min
2/13/2025 9:55 AM	20:00	6.29 pH	14.72 °C	61.89 µS/cm	2.59 mg/L	2.48 NTU	58.9 mV	23.37 ft	100.00 ml/min
2/13/2025 10:00 AM	25:00	6.27 pH	14.99 °C	61.82 µS/cm	3.65 mg/L	1.69 NTU	60.0 mV	23.46 ft	100.00 ml/min
2/13/2025 10:05 AM	30:00	6.24 pH	14.95 °C	63.16 µS/cm	4.25 mg/L	1.35 NTU	64.3 mV	23.48 ft	100.00 ml/min
2/13/2025 10:10 AM	35:00	6.23 pH	14.67 °C	64.68 µS/cm	5.04 mg/L	0.83 NTU	52.9 mV	23.51 ft	100.00 ml/min
2/13/2025 10:15 AM	40:00	6.31 pH	14.99 °C	63.54 µS/cm	5.30 mg/L	0.86 NTU	45.7 mV	23.56 ft	100.00 ml/min
2/13/2025 10:20 AM	45:00	6.25 pH	14.86 °C	63.65 µS/cm	5.62 mg/L	0.87 NTU	65.5 mV	23.57 ft	100.00 ml/min
2/13/2025 10:25 AM	50:00	6.27 pH	15.44 °C	64.32 µS/cm	5.54 mg/L	0.86 NTU	52.4 mV	23.57 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 3:42:03 PM
Project: Plant Wansley Ash Pond
Operator Name: Dever Johnson

Location Name: WGWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.22 ft** **Total Depth: 51.22 ft** **Initial Depth to Water: 29.76 ft**	**Pump Type: Ded. Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 48 ft** **Estimated Total Volume Pumped: 5.3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 41.52 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
sample time 1608. rainy.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/11/2025 3:42 PM	00:00	7.09 pH	12.90 °C	39.90 µS/cm	10.38 mg/L	1.02 NTU	41.5 mV	29.76 ft	200.00 ml/min
2/11/2025 3:43 PM	01:30	6.84 pH	15.53 °C	39.87 µS/cm	7.43 mg/L	0.57 NTU	126.3 mV	31.93 ft	200.00 ml/min
2/11/2025 3:48 PM	06:30	5.84 pH	16.85 °C	37.06 µS/cm	4.73 mg/L	0.58 NTU	120.1 mV	32.87 ft	200.00 ml/min
2/11/2025 3:53 PM	11:30	5.61 pH	16.93 °C	36.93 µS/cm	4.80 mg/L	0.58 NTU	115.8 mV	33.01 ft	200.00 ml/min
2/11/2025 3:58 PM	16:30	5.56 pH	16.92 °C	37.69 µS/cm	4.94 mg/L	0.52 NTU	109.3 mV	33.17 ft	200.00 ml/min
2/11/2025 4:03 PM	21:30	5.55 pH	16.95 °C	38.44 µS/cm	4.93 mg/L	0.49 NTU	136.8 mV	33.22 ft	200.00 ml/min
2/11/2025 4:08 PM	26:30	5.54 pH	16.92 °C	38.96 µS/cm	4.90 mg/L	0.41 NTU	134.9 mV	33.22 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 1:00:04 PM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: WGWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 66.57 ft** **Total Depth: 76.57 ft** **Initial Depth to Water: 29.12 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: 30.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 6.36 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1450. FD-01 here. Rainy.

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	
2/11/2025 1:00 PM	00:00	7.15 pH	14.14 °C	119.05 µS/cm	9.42 mg/L	6.21 NTU	15.1 mV	29.12 ft	275.00 ml/min
2/11/2025 1:05 PM	05:00	6.71 pH	16.46 °C	115.74 µS/cm	0.93 mg/L	1,000.00 NTU	-1.9 mV	29.61 ft	275.00 ml/min
2/11/2025 1:10 PM	10:00	6.61 pH	16.58 °C	115.11 µS/cm	0.16 mg/L	1,000.00 NTU	-12.2 mV	29.63 ft	275.00 ml/min
2/11/2025 1:15 PM	15:00	6.59 pH	15.40 °C	111.66 µS/cm	0.15 mg/L	1,000.00 NTU	1.3 mV	29.65 ft	275.00 ml/min
2/11/2025 1:20 PM	20:00	6.54 pH	16.69 °C	118.21 µS/cm	0.09 mg/L	1,000.00 NTU	-6.3 mV	29.65 ft	275.00 ml/min
2/11/2025 1:25 PM	25:00	6.55 pH	16.35 °C	120.44 µS/cm	0.08 mg/L	95.30 NTU	-8.5 mV	29.65 ft	275.00 ml/min
2/11/2025 1:30 PM	30:00	6.56 pH	16.52 °C	122.35 µS/cm	0.07 mg/L	42.40 NTU	-9.0 mV	29.65 ft	275.00 ml/min
2/11/2025 1:35 PM	35:00	6.57 pH	16.47 °C	123.40 µS/cm	0.09 mg/L	20.80 NTU	-8.8 mV	29.65 ft	275.00 ml/min
2/11/2025 1:40 PM	40:00	6.59 pH	16.21 °C	122.68 µS/cm	0.10 mg/L	19.70 NTU	-19.9 mV	29.65 ft	275.00 ml/min
2/11/2025 1:45 PM	45:00	6.60 pH	16.25 °C	125.03 µS/cm	0.14 mg/L	15.40 NTU	-8.9 mV	29.65 ft	275.00 ml/min
2/11/2025 1:50 PM	50:00	6.60 pH	16.32 °C	125.38 µS/cm	0.11 mg/L	10.70 NTU	-8.3 mV	29.65 ft	275.00 ml/min
2/11/2025 1:55 PM	55:00	6.61 pH	16.43 °C	125.35 µS/cm	0.12 mg/L	9.67 NTU	-8.0 mV	29.65 ft	275.00 ml/min
2/11/2025 2:00 PM	01:00:00	6.59 pH	16.45 °C	125.28 µS/cm	0.11 mg/L	9.25 NTU	-5.6 mV	29.65 ft	275.00 ml/min
2/11/2025 2:05 PM	01:05:00	6.60 pH	16.51 °C	125.22 µS/cm	0.11 mg/L	10.50 NTU	-16.2 mV	29.65 ft	275.00 ml/min

2/11/2025 2:10 PM	01:10:00	6.60 pH	16.38 °C	125.36 µS/cm	0.13 mg/L	8.19 NTU	-4.9 mV	29.65 ft	275.00 ml/min
2/11/2025 2:15 PM	01:15:00	6.61 pH	16.38 °C	125.51 µS/cm	0.11 mg/L	8.33 NTU	-4.3 mV	29.65 ft	275.00 ml/min
2/11/2025 2:20 PM	01:20:00	6.61 pH	16.20 °C	125.58 µS/cm	0.12 mg/L	7.96 NTU	-3.8 mV	29.65 ft	275.00 ml/min
2/11/2025 2:25 PM	01:25:00	6.61 pH	16.32 °C	125.13 µS/cm	0.13 mg/L	7.34 NTU	-3.4 mV	29.65 ft	275.00 ml/min
2/11/2025 2:30 PM	01:30:00	6.61 pH	16.38 °C	125.32 µS/cm	0.12 mg/L	5.99 NTU	-3.0 mV	29.65 ft	275.00 ml/min
2/11/2025 2:35 PM	01:35:00	6.62 pH	16.34 °C	124.93 µS/cm	0.12 mg/L	5.67 NTU	-3.1 mV	29.65 ft	275.00 ml/min
2/11/2025 2:40 PM	01:40:00	6.62 pH	16.47 °C	124.50 µS/cm	0.13 mg/L	5.53 NTU	-2.7 mV	29.65 ft	275.00 ml/min
2/11/2025 2:45 PM	01:45:00	6.63 pH	16.34 °C	124.09 µS/cm	0.13 mg/L	5.06 NTU	-2.3 mV	29.65 ft	275.00 ml/min
2/11/2025 2:50 PM	01:50:00	6.63 pH	16.19 °C	123.86 µS/cm	0.13 mg/L	4.84 NTU	-11.1 mV	29.65 ft	275.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 10:10:05 AM
Project: Plant Wansley Ash Pond
Operator Name: C.Klamke

Location Name: WGWC-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 85.46 ft** **Total Depth: 95.46 ft** **Initial Depth to Water: 23.25 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 90 ft** **Estimated Total Volume Pumped: 3.9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 34 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1120055**

Test Notes:
Sample time 1041. Rain, 44 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	
2/12/2025 10:10 AM	00:00	6.62 pH	11.32 °C	54.67 µS/cm	6.04 mg/L	1.67 NTU	119.3 mV	23.25 ft	125.00 ml/min
2/12/2025 10:15 AM	05:00	6.34 pH	12.93 °C	54.99 µS/cm	3.03 mg/L	1.80 NTU	69.6 mV	24.80 ft	125.00 ml/min
2/12/2025 10:20 AM	10:00	6.33 pH	13.26 °C	54.65 µS/cm	2.87 mg/L	2.01 NTU	51.4 mV	25.15 ft	125.00 ml/min
2/12/2025 10:25 AM	15:00	6.32 pH	13.52 °C	54.00 µS/cm	3.03 mg/L	1.81 NTU	46.2 mV	25.50 ft	125.00 ml/min
2/12/2025 10:30 AM	20:00	6.32 pH	13.86 °C	54.05 µS/cm	3.04 mg/L	1.92 NTU	43.7 mV	25.75 ft	125.00 ml/min
2/12/2025 10:31 AM	21:40	6.31 pH	13.86 °C	54.59 µS/cm	3.04 mg/L	2.14 NTU	40.9 mV	25.90 ft	125.00 ml/min
2/12/2025 10:36 AM	26:40	6.32 pH	13.84 °C	53.94 µS/cm	3.02 mg/L	2.19 NTU	42.3 mV	26.00 ft	125.00 ml/min
2/12/2025 10:41 AM	31:40	6.32 pH	13.77 °C	54.01 µS/cm	3.05 mg/L	2.81 NTU	40.9 mV	26.10 ft	125.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 12:25:27 PM
Project: Plant Wansley Ash Pond
Operator Name: C.Klamke

Location Name: WGWC-14A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.74 ft** **Total Depth: 42.74 ft** **Initial Depth to Water: 23.75 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 3.75 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 13 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1120055**

Test Notes:
Rainy 46 degrees, sample time 1255

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	
2/12/2025 12:25 PM	00:00	5.92 pH	6.61 °C	29.10 µS/cm	10.81 mg/L	2.04 NTU	116.7 mV	23.75 ft	125.00 ml/min
2/12/2025 12:30 PM	05:00	5.43 pH	12.95 °C	25.61 µS/cm	2.65 mg/L	1.68 NTU	67.2 mV	24.60 ft	125.00 ml/min
2/12/2025 12:35 PM	10:00	5.41 pH	12.68 °C	25.49 µS/cm	2.60 mg/L	1.64 NTU	54.6 mV	24.68 ft	125.00 ml/min
2/12/2025 12:40 PM	15:00	5.41 pH	13.10 °C	25.26 µS/cm	2.48 mg/L	1.68 NTU	51.6 mV	24.74 ft	125.00 ml/min
2/12/2025 12:45 PM	20:00	5.42 pH	13.49 °C	25.39 µS/cm	2.38 mg/L	1.97 NTU	50.3 mV	24.78 ft	125.00 ml/min
2/12/2025 12:50 PM	25:00	5.43 pH	13.50 °C	25.32 µS/cm	2.29 mg/L	1.87 NTU	48.8 mV	24.82 ft	125.00 ml/min
2/12/2025 12:55 PM	30:00	5.44 pH	13.63 °C	26.09 µS/cm	2.25 mg/L	2.14 NTU	48.2 mV	24.84 ft	125.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/13/2025 9:50:44 AM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: WGWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.36 ft** **Total Depth: 53.36 ft** **Initial Depth to Water: 18.45 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: 13.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 145.8 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1140
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	
2/13/2025 9:50 AM	00:00	7.76 pH	15.14 °C	206.75 µS/cm	4.87 mg/L	0.87 NTU	53.6 mV	18.45 ft	125.00 ml/min
2/13/2025 9:55 AM	05:00	7.86 pH	15.41 °C	210.73 µS/cm	1.36 mg/L	0.63 NTU	6.4 mV	20.60 ft	125.00 ml/min
2/13/2025 10:00 AM	10:00	7.86 pH	15.73 °C	197.78 µS/cm	2.59 mg/L	0.23 NTU	22.1 mV	21.30 ft	125.00 ml/min
2/13/2025 10:05 AM	15:00	7.86 pH	15.62 °C	192.90 µS/cm	3.57 mg/L	0.22 NTU	28.3 mV	22.10 ft	125.00 ml/min
2/13/2025 10:10 AM	20:00	7.87 pH	15.94 °C	192.36 µS/cm	3.81 mg/L	0.28 NTU	15.0 mV	22.90 ft	125.00 ml/min
2/13/2025 10:15 AM	25:00	7.87 pH	15.77 °C	191.63 µS/cm	3.87 mg/L	0.33 NTU	5.6 mV	23.60 ft	125.00 ml/min
2/13/2025 10:20 AM	30:00	7.87 pH	16.00 °C	191.20 µS/cm	3.89 mg/L	0.22 NTU	-0.1 mV	24.30 ft	125.00 ml/min
2/13/2025 10:25 AM	35:00	7.88 pH	15.96 °C	190.71 µS/cm	3.92 mg/L	0.25 NTU	-3.0 mV	25.30 ft	125.00 ml/min
2/13/2025 10:30 AM	40:00	7.89 pH	15.83 °C	189.79 µS/cm	3.93 mg/L	0.18 NTU	-4.1 mV	25.70 ft	125.00 ml/min
2/13/2025 10:35 AM	45:00	7.90 pH	16.00 °C	189.60 µS/cm	3.89 mg/L	0.24 NTU	-7.4 mV	26.40 ft	125.00 ml/min
2/13/2025 10:40 AM	50:00	7.90 pH	16.10 °C	189.40 µS/cm	3.86 mg/L	0.26 NTU	-14.5 mV	27.10 ft	125.00 ml/min
2/13/2025 10:45 AM	55:00	7.91 pH	15.88 °C	188.77 µS/cm	3.83 mg/L	0.18 NTU	-17.1 mV	27.60 ft	125.00 ml/min
2/13/2025 10:50 AM	01:00:00	7.92 pH	15.85 °C	188.69 µS/cm	3.78 mg/L	0.18 NTU	-23.2 mV	28.10 ft	125.00 ml/min
2/13/2025 10:55 AM	01:05:00	7.93 pH	15.88 °C	188.54 µS/cm	3.71 mg/L	0.19 NTU	-28.1 mV	28.70 ft	125.00 ml/min

2/13/2025 11:00 AM	01:10:00	7.94 pH	15.97 °C	188.47 µS/cm	3.62 mg/L	0.18 NTU	-32.8 mV	29.20 ft	125.00 ml/min
2/13/2025 11:05 AM	01:15:00	7.95 pH	16.06 °C	188.44 µS/cm	3.57 mg/L	0.20 NTU	-38.7 mV	29.70 ft	125.00 ml/min
2/13/2025 11:10 AM	01:20:00	7.96 pH	15.74 °C	188.03 µS/cm	3.57 mg/L	0.19 NTU	-40.9 mV	30.10 ft	125.00 ml/min
2/13/2025 11:20 AM	01:29:48	4.90 pH	12.64 °C	3.87 µS/cm	10.33 mg/L	0.22 NTU	177.9 mV	30.20 ft	125.00 ml/min
2/13/2025 11:25 AM	01:34:48	7.57 pH	15.53 °C	193.58 µS/cm	3.66 mg/L	0.30 NTU	43.1 mV	30.30 ft	125.00 ml/min
2/13/2025 11:30 AM	01:39:48	7.78 pH	15.74 °C	190.47 µS/cm	3.40 mg/L	0.21 NTU	-24.5 mV	30.40 ft	125.00 ml/min
2/13/2025 11:35 AM	01:44:48	7.82 pH	15.73 °C	189.74 µS/cm	3.32 mg/L	0.19 NTU	-41.9 mV	30.50 ft	125.00 ml/min
2/13/2025 11:40 AM	01:49:48	7.87 pH	15.62 °C	189.10 µS/cm	3.27 mg/L	0.20 NTU	-51.0 mV	30.60 ft	125.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 1:35:05 PM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: WGWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 24.78 ft** **Total Depth: 34.78 ft** **Initial Depth to Water: 18.63 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 29 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.84 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1400
Rainy, 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	
2/12/2025 1:35 PM	00:00	5.45 pH	14.01 °C	175.72 µS/cm	6.58 mg/L	3.64 NTU	121.7 mV	18.63 ft	300.00 ml/min
2/12/2025 1:40 PM	05:00	5.45 pH	15.04 °C	170.03 µS/cm	4.91 mg/L	2.31 NTU	184.0 mV	18.70 ft	300.00 ml/min
2/12/2025 1:45 PM	10:00	5.43 pH	15.00 °C	169.68 µS/cm	4.63 mg/L	1.48 NTU	208.4 mV	18.70 ft	300.00 ml/min
2/12/2025 1:50 PM	15:00	5.43 pH	15.15 °C	170.00 µS/cm	4.58 mg/L	1.43 NTU	214.7 mV	18.70 ft	300.00 ml/min
2/12/2025 1:55 PM	20:00	5.42 pH	15.20 °C	170.45 µS/cm	4.51 mg/L	0.95 NTU	224.1 mV	18.70 ft	300.00 ml/min
2/12/2025 2:00 PM	25:00	5.42 pH	14.77 °C	172.15 µS/cm	4.47 mg/L	0.80 NTU	232.4 mV	18.70 ft	300.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/11/2025 12:57:09 PM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: WGWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 85.94 ft** **Total Depth: 95.94 ft** **Initial Depth to Water: 29.88 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 90 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 15.84 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1327
Cloudy, 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	
2/11/2025 12:57 PM	00:00	6.47 pH	14.83 °C	80.91 µS/cm	4.57 mg/L	0.99 NTU	1.8 mV	29.88 ft	200.00 ml/min
2/11/2025 1:02 PM	05:00	6.29 pH	15.41 °C	82.36 µS/cm	2.29 mg/L	3.27 NTU	86.4 mV	31.00 ft	200.00 ml/min
2/11/2025 1:07 PM	10:00	6.27 pH	15.63 °C	82.48 µS/cm	1.91 mg/L	2.60 NTU	115.1 mV	31.10 ft	200.00 ml/min
2/11/2025 1:12 PM	15:00	6.27 pH	15.64 °C	82.49 µS/cm	1.54 mg/L	1.85 NTU	118.9 mV	31.20 ft	200.00 ml/min
2/11/2025 1:17 PM	20:00	6.26 pH	15.67 °C	82.54 µS/cm	1.39 mg/L	1.68 NTU	120.8 mV	31.20 ft	200.00 ml/min
2/11/2025 1:22 PM	25:00	6.25 pH	15.66 °C	82.62 µS/cm	1.35 mg/L	1.38 NTU	119.9 mV	31.20 ft	200.00 ml/min
2/11/2025 1:27 PM	30:00	6.26 pH	15.67 °C	82.43 µS/cm	1.31 mg/L	1.17 NTU	116.3 mV	31.20 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/13/2025 9:20:43 AM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: WGWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 84.82 ft** **Total Depth: 94.82 ft** **Initial Depth to Water: 23.87 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: 5.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.86 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Sampled at 0945. AP1-FD-03 taken 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	
2/13/2025 9:20 AM	00:00	8.09 pH	10.64 °C	196.55 µS/cm	9.71 mg/L	1.45 NTU	145.4 mV	23.87 ft	240.00 ml/min
2/13/2025 9:25 AM	05:00	7.02 pH	13.85 °C	168.99 µS/cm	0.43 mg/L	1.76 NTU	48.9 mV	24.88 ft	240.00 ml/min
2/13/2025 9:30 AM	10:00	6.79 pH	14.07 °C	166.28 µS/cm	0.20 mg/L	2.17 NTU	77.1 mV	25.31 ft	240.00 ml/min
2/13/2025 9:35 AM	15:00	6.69 pH	14.25 °C	164.08 µS/cm	0.11 mg/L	2.09 NTU	58.6 mV	25.62 ft	200.00 ml/min
2/13/2025 9:40 AM	20:00	6.70 pH	13.75 °C	164.02 µS/cm	0.18 mg/L	1.94 NTU	52.5 mV	25.67 ft	200.00 ml/min
2/13/2025 9:45 AM	25:00	6.70 pH	13.68 °C	165.17 µS/cm	0.20 mg/L	1.71 NTU	49.1 mV	25.73 ft	200.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 11:39:06 AM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: WGWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.87 ft** **Total Depth: 43.87 ft** **Initial Depth to Water: 20.65 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: 25.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 151.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1359. Rain. 44 degrees F.
3 well volumes purged as water level went into screen.

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	
2/12/2025 11:39 AM	00:00	6.26 pH	10.90 °C	1,579.7 µS/cm	7.38 mg/L	1.09 NTU	-17.9 mV	29.65 ft	150.00 ml/min
2/12/2025 11:44 AM	05:00	5.55 pH	13.63 °C	1,537.0 µS/cm	3.50 mg/L	0.25 NTU	33.3 mV	31.78 ft	150.00 ml/min
2/12/2025 11:49 AM	10:00	5.43 pH	13.71 °C	1,571.8 µS/cm	2.90 mg/L	0.23 NTU	51.5 mV	32.91 ft	150.00 ml/min
2/12/2025 11:54 AM	15:00	5.39 pH	13.70 °C	1,571.5 µS/cm	2.75 mg/L	0.23 NTU	66.7 mV	32.97 ft	150.00 ml/min
2/12/2025 11:59 AM	20:00	5.36 pH	14.13 °C	1,594.1 µS/cm	2.66 mg/L	0.23 NTU	82.0 mV	33.04 ft	125.00 ml/min
2/12/2025 12:04 PM	25:00	5.35 pH	14.52 °C	1,568.8 µS/cm	2.55 mg/L	0.22 NTU	93.3 mV	33.09 ft	125.00 ml/min
2/12/2025 12:09 PM	30:00	5.34 pH	13.90 °C	1,606.0 µS/cm	2.65 mg/L	0.24 NTU	101.4 mV	33.17 ft	125.00 ml/min
2/12/2025 12:14 PM	35:00	5.34 pH	14.80 °C	1,561.0 µS/cm	2.48 mg/L	0.19 NTU	115.4 mV	33.23 ft	125.00 ml/min
2/12/2025 12:19 PM	40:00	5.36 pH	12.58 °C	1,567.2 µS/cm	2.46 mg/L	0.21 NTU	117.2 mV	33.24 ft	200.00 ml/min
2/12/2025 12:24 PM	45:00	5.36 pH	12.27 °C	1,576.9 µS/cm	2.48 mg/L	0.20 NTU	118.2 mV	33.25 ft	200.00 ml/min
2/12/2025 12:29 PM	50:00	5.36 pH	12.30 °C	1,590.3 µS/cm	2.47 mg/L	0.21 NTU	125.1 mV	33.27 ft	200.00 ml/min
2/12/2025 12:34 PM	55:00	5.35 pH	12.63 °C	1,595.4 µS/cm	2.44 mg/L	0.19 NTU	126.3 mV	33.29 ft	200.00 ml/min
2/12/2025 12:39 PM	01:00:00	5.33 pH	14.10 °C	1,592.0 µS/cm	2.39 mg/L	0.19 NTU	133.4 mV	33.29 ft	200.00 ml/min
2/12/2025 12:44 PM	01:05:00	5.34 pH	12.99 °C	1,576.9 µS/cm	2.35 mg/L	0.20 NTU	139.0 mV	33.29 ft	200.00 ml/min

2/12/2025 12:49 PM	01:10:00	5.35 pH	12.77 °C	1,573.3 µS/cm	2.34 mg/L	0.19 NTU	142.3 mV	33.30 ft	200.00 ml/min
2/12/2025 12:54 PM	01:15:00	5.35 pH	12.55 °C	1,583.1 µS/cm	2.38 mg/L	0.20 NTU	143.2 mV	33.30 ft	200.00 ml/min
2/12/2025 12:59 PM	01:20:00	5.34 pH	13.36 °C	1,579.4 µS/cm	2.35 mg/L	0.19 NTU	147.3 mV	33.30 ft	200.00 ml/min
2/12/2025 1:04 PM	01:25:00	5.34 pH	12.99 °C	1,575.5 µS/cm	2.33 mg/L	0.21 NTU	145.5 mV	33.30 ft	200.00 ml/min
2/12/2025 1:09 PM	01:30:00	5.34 pH	12.74 °C	1,579.1 µS/cm	2.34 mg/L	0.19 NTU	143.3 mV	33.30 ft	200.00 ml/min
2/12/2025 1:14 PM	01:35:00	5.33 pH	13.64 °C	1,580.9 µS/cm	2.35 mg/L	0.19 NTU	146.9 mV	33.30 ft	200.00 ml/min
2/12/2025 1:19 PM	01:40:00	5.34 pH	13.38 °C	1,559.9 µS/cm	2.27 mg/L	0.19 NTU	149.0 mV	33.30 ft	200.00 ml/min
2/12/2025 1:24 PM	01:45:00	5.33 pH	13.72 °C	1,576.9 µS/cm	2.33 mg/L	0.20 NTU	149.6 mV	33.30 ft	200.00 ml/min
2/12/2025 1:29 PM	01:50:00	5.34 pH	13.27 °C	1,566.3 µS/cm	2.30 mg/L	0.19 NTU	150.7 mV	33.30 ft	200.00 ml/min
2/12/2025 1:34 PM	01:55:00	5.34 pH	12.58 °C	1,576.0 µS/cm	2.31 mg/L	0.21 NTU	150.3 mV	33.30 ft	200.00 ml/min
2/12/2025 1:39 PM	02:00:00	5.34 pH	12.90 °C	1,571.6 µS/cm	2.30 mg/L	0.19 NTU	151.3 mV	33.30 ft	200.00 ml/min
2/12/2025 1:44 PM	02:05:00	5.33 pH	13.20 °C	1,574.7 µS/cm	2.32 mg/L	0.19 NTU	152.8 mV	33.30 ft	200.00 ml/min
2/12/2025 1:49 PM	02:10:00	5.33 pH	13.77 °C	1,572.5 µS/cm	2.30 mg/L	0.18 NTU	155.8 mV	33.30 ft	200.00 ml/min
2/12/2025 1:54 PM	02:15:00	5.33 pH	13.36 °C	1,566.1 µS/cm	2.29 mg/L	0.19 NTU	154.9 mV	33.30 ft	200.00 ml/min
2/12/2025 1:59 PM	02:20:00	5.33 pH	13.85 °C	1,560.5 µS/cm	2.31 mg/L	0.18 NTU	153.3 mV	33.30 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/13/2025 11:08:36 AM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: WGWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 61.7 ft** **Total Depth: 71.7 ft** **Initial Depth to Water: 51.28 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 66 ft** **Estimated Total Volume Pumped: 5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 75 ml/min** **Final Draw Down: 4.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Sampled at 1208. Sunny 54 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	
2/13/2025 11:08 AM	00:00	7.10 pH	13.60 °C	920.53 µS/cm	9.56 mg/L	0.75 NTU	96.2 mV	51.28 ft	100.00 ml/min
2/13/2025 11:13 AM	05:00	7.03 pH	13.07 °C	981.60 µS/cm	7.33 mg/L	0.69 NTU	86.9 mV	51.85 ft	100.00 ml/min
2/13/2025 11:18 AM	10:00	6.73 pH	14.12 °C	1,174.7 µS/cm	3.21 mg/L	0.66 NTU	68.6 mV	52.31 ft	100.00 ml/min
2/13/2025 11:23 AM	15:00	6.67 pH	14.46 °C	1,181.5 µS/cm	2.47 mg/L	0.63 NTU	56.3 mV	52.95 ft	100.00 ml/min
2/13/2025 11:28 AM	20:00	6.66 pH	14.34 °C	1,221.1 µS/cm	1.52 mg/L	0.77 NTU	52.4 mV	53.36 ft	75.00 ml/min
2/13/2025 11:33 AM	25:00	6.64 pH	14.91 °C	1,205.4 µS/cm	1.13 mg/L	0.65 NTU	50.4 mV	53.80 ft	75.00 ml/min
2/13/2025 11:38 AM	30:00	6.63 pH	14.52 °C	1,180.4 µS/cm	1.27 mg/L	0.59 NTU	49.2 mV	54.62 ft	75.00 ml/min
2/13/2025 11:43 AM	35:00	6.62 pH	14.45 °C	1,146.8 µS/cm	1.77 mg/L	0.55 NTU	48.1 mV	55.05 ft	75.00 ml/min
2/13/2025 11:48 AM	40:00	6.62 pH	14.20 °C	1,107.0 µS/cm	2.37 mg/L	0.55 NTU	47.0 mV	55.17 ft	75.00 ml/min
2/13/2025 11:53 AM	45:00	6.64 pH	14.24 °C	1,081.4 µS/cm	2.91 mg/L	0.48 NTU	46.0 mV	55.31 ft	75.00 ml/min
2/13/2025 11:58 AM	50:00	6.64 pH	14.04 °C	1,065.2 µS/cm	3.22 mg/L	0.53 NTU	44.3 mV	55.39 ft	75.00 ml/min
2/13/2025 12:03 PM	55:00	6.63 pH	14.62 °C	1,040.2 µS/cm	3.36 mg/L	0.42 NTU	43.5 mV	55.46 ft	75.00 ml/min
2/13/2025 12:08 PM	01:00:00	6.63 pH	14.28 °C	1,032.4 µS/cm	3.49 mg/L	0.38 NTU	42.1 mV	55.55 ft	75.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/12/2025 1:22:09 PM
Project: Plant Wansley Ash Pond
Operator Name: Hunter Auld

Location Name: WGWC-22 **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: 20.89 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: 5.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 45.7 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Sample time 1352. Rain, 46 degrees. FB-08 here at 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	+/- 0.3	
2/12/2025 1:22 PM	00:00	6.27 pH	7.68 °C	196.46 µS/cm	10.67 mg/L	2.70 NTU	85.4 mV	20.89 ft	180.00 ml/min
2/12/2025 1:27 PM	05:00	5.49 pH	15.57 °C	181.84 µS/cm	2.92 mg/L	5.02 NTU	155.0 mV	22.70 ft	180.00 ml/min
2/12/2025 1:32 PM	10:00	5.48 pH	16.08 °C	182.47 µS/cm	2.39 mg/L	2.90 NTU	99.0 mV	23.60 ft	180.00 ml/min
2/12/2025 1:37 PM	15:00	5.47 pH	16.03 °C	181.88 µS/cm	2.17 mg/L	3.20 NTU	87.0 mV	24.00 ft	180.00 ml/min
2/12/2025 1:42 PM	20:00	5.47 pH	16.30 °C	181.87 µS/cm	2.09 mg/L	2.10 NTU	80.8 mV	24.50 ft	180.00 ml/min
2/12/2025 1:47 PM	25:00	5.47 pH	16.11 °C	181.59 µS/cm	2.08 mg/L	1.50 NTU	75.7 mV	24.60 ft	150.00 ml/min
2/12/2025 1:52 PM	30:00	5.47 pH	15.75 °C	181.36 µS/cm	2.09 mg/L	1.20 NTU	73.2 mV	24.70 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/13/2025 1:32:31 PM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: WGWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.8 ft** **Total Depth: 53.8 ft** **Initial Depth to Water: 31.3 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: 13.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.98 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Log 1 of 2. iPad battery died

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	
2/13/2025 1:32 PM	00:00	7.39 pH	15.48 °C	96.04 µS/cm	8.34 mg/L	23.00 NTU	74.9 mV	31.30 ft	150.00 ml/min
2/13/2025 1:37 PM	05:00	5.73 pH	14.64 °C	86.50 µS/cm	4.27 mg/L	65.00 NTU	103.4 mV	31.88 ft	150.00 ml/min
2/13/2025 1:42 PM	10:00	5.62 pH	14.82 °C	86.13 µS/cm	3.81 mg/L	155.00 NTU	100.7 mV	32.22 ft	150.00 ml/min
2/13/2025 1:47 PM	15:00	5.59 pH	14.75 °C	86.28 µS/cm	3.59 mg/L	212.00 NTU	131.7 mV	32.25 ft	150.00 ml/min
2/13/2025 1:52 PM	20:00	5.59 pH	14.87 °C	86.13 µS/cm	3.48 mg/L	199.00 NTU	98.5 mV	32.28 ft	150.00 ml/min
2/13/2025 1:57 PM	25:00	5.59 pH	14.87 °C	86.23 µS/cm	3.46 mg/L	153.00 NTU	94.6 mV	32.28 ft	150.00 ml/min
2/13/2025 2:02 PM	30:00	5.59 pH	14.85 °C	86.10 µS/cm	3.44 mg/L	128.00 NTU	93.1 mV	32.28 ft	150.00 ml/min
2/13/2025 2:07 PM	35:00	5.60 pH	14.81 °C	85.91 µS/cm	3.43 mg/L	115.00 NTU	122.4 mV	32.28 ft	150.00 ml/min
2/13/2025 2:12 PM	40:00	5.60 pH	14.85 °C	86.02 µS/cm	3.41 mg/L	102.00 NTU	92.2 mV	32.28 ft	150.00 ml/min
2/13/2025 2:17 PM	45:00	5.61 pH	15.06 °C	86.03 µS/cm	3.39 mg/L	92.00 NTU	89.9 mV	32.28 ft	150.00 ml/min
2/13/2025 2:22 PM	50:00	5.57 pH	15.17 °C	86.14 µS/cm	3.38 mg/L	85.00 NTU	90.8 mV	32.28 ft	150.00 ml/min
2/13/2025 2:27 PM	55:00	5.57 pH	15.06 °C	85.99 µS/cm	3.33 mg/L	74.00 NTU	89.9 mV	32.28 ft	150.00 ml/min
2/13/2025 2:32 PM	01:00:00	5.57 pH	15.16 °C	85.82 µS/cm	3.33 mg/L	64.00 NTU	119.7 mV	32.28 ft	150.00 ml/min
2/13/2025 2:37 PM	01:05:00	5.58 pH	15.31 °C	85.86 µS/cm	3.30 mg/L	58.00 NTU	90.3 mV	32.28 ft	150.00 ml/min

2/13/2025 2:42 PM	01:10:00	5.58 pH	15.40 °C	85.93 µS/cm	3.29 mg/L	46.00 NTU	88.6 mV	32.28 ft	150.00 ml/min
2/13/2025 2:47 PM	01:15:00	5.60 pH	15.21 °C	85.94 µS/cm	3.28 mg/L	44.00 NTU	116.8 mV	32.28 ft	150.00 ml/min
2/13/2025 2:52 PM	01:20:00	5.59 pH	15.27 °C	86.14 µS/cm	3.26 mg/L	51.00 NTU	89.2 mV	32.28 ft	150.00 ml/min
2/13/2025 2:57 PM	01:25:00	5.59 pH	15.34 °C	86.18 µS/cm	3.25 mg/L	51.00 NTU	87.6 mV	32.28 ft	150.00 ml/min
2/13/2025 3:02 PM	01:30:00	5.60 pH	15.29 °C	86.17 µS/cm	3.27 mg/L	49.20 NTU	115.1 mV	32.28 ft	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/13/2025 3:05:44 PM
Project: Plant Wansley Ash Pond
Operator Name: T. Goble

Location Name: WGWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.7 ft** **Total Depth: 53.7 ft** **Initial Depth to Water: 32.28 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: 13.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 1.2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 989619**

Test Notes:
Sample time 1635. Log 2 of 2. Sunny, 48 degrees F. Dissolved metals sample taken due to high NTU.

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	
2/13/2025 3:05 PM	00:00	5.60 pH	15.74 °C	86.60 µS/cm	3.16 mg/L	51.00 NTU	71.0 mV	32.28 ft	150.00 ml/min
2/13/2025 3:10 PM	05:00	5.56 pH	15.16 °C	86.74 µS/cm	3.14 mg/L	48.50 NTU	112.9 mV	32.30 ft	150.00 ml/min
2/13/2025 3:15 PM	10:00	5.59 pH	15.22 °C	86.75 µS/cm	3.13 mg/L	55.70 NTU	86.8 mV	32.32 ft	150.00 ml/min
2/13/2025 3:20 PM	15:00	5.60 pH	15.14 °C	86.88 µS/cm	3.11 mg/L	60.30 NTU	84.9 mV	32.36 ft	150.00 ml/min
2/13/2025 3:25 PM	20:00	5.58 pH	15.27 °C	86.96 µS/cm	3.09 mg/L	59.80 NTU	85.4 mV	32.38 ft	150.00 ml/min
2/13/2025 3:30 PM	25:00	5.59 pH	14.97 °C	86.99 µS/cm	3.11 mg/L	67.10 NTU	111.9 mV	32.38 ft	150.00 ml/min
2/13/2025 3:35 PM	30:00	5.60 pH	15.05 °C	87.23 µS/cm	3.10 mg/L	62.00 NTU	84.9 mV	32.38 ft	150.00 ml/min
2/13/2025 3:40 PM	35:00	5.61 pH	15.07 °C	87.23 µS/cm	3.08 mg/L	64.80 NTU	83.2 mV	32.38 ft	150.00 ml/min
2/13/2025 3:45 PM	40:00	5.57 pH	15.01 °C	86.91 µS/cm	3.07 mg/L	65.60 NTU	111.4 mV	32.38 ft	150.00 ml/min
2/13/2025 3:50 PM	45:00	5.60 pH	15.09 °C	87.17 µS/cm	3.06 mg/L	67.90 NTU	84.4 mV	32.38 ft	150.00 ml/min
2/13/2025 3:55 PM	50:00	5.61 pH	15.09 °C	87.32 µS/cm	3.05 mg/L	56.30 NTU	83.2 mV	32.38 ft	150.00 ml/min
2/13/2025 4:00 PM	55:00	5.59 pH	15.18 °C	87.25 µS/cm	3.03 mg/L	58.30 NTU	82.7 mV	32.38 ft	150.00 ml/min
2/13/2025 4:05 PM	01:00:00	5.58 pH	15.02 °C	87.36 µS/cm	3.04 mg/L	59.80 NTU	82.3 mV	32.38 ft	150.00 ml/min
2/13/2025 4:10 PM	01:05:00	5.61 pH	15.00 °C	87.26 µS/cm	3.06 mg/L	60.50 NTU	107.0 mV	32.38 ft	150.00 ml/min
2/13/2025 4:15 PM	01:10:00	5.61 pH	15.21 °C	87.22 µS/cm	3.03 mg/L	62.10 NTU	83.1 mV	32.38 ft	150.00 ml/min

2/13/2025 4:20 PM	01:15:00	5.59 pH	15.16 °C	87.24 µS/cm	3.04 mg/L	60.80 NTU	81.9 mV	32.38 ft	150.00 ml/min
2/13/2025 4:25 PM	01:20:00	5.60 pH	15.26 °C	87.12 µS/cm	3.04 mg/L	59.70 NTU	81.2 mV	32.38 ft	150.00 ml/min
2/13/2025 4:30 PM	01:25:00	5.61 pH	15.30 °C	87.16 µS/cm	3.05 mg/L	57.00 NTU	81.0 mV	32.38 ft	150.00 ml/min
2/13/2025 4:35 PM	01:30:00	5.58 pH	15.16 °C	86.86 µS/cm	3.04 mg/L	52.00 NTU	107.2 mV	32.38 ft	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/13/2025 11:26:03 AM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: WGWC-24 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.75 ft** **Total Depth: 40.75 ft** **Initial Depth to Water: 14.81 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 10.125 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 3.72 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1211. Sunny, 54 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	
2/13/2025 11:26 AM	00:00	5.29 pH	17.90 °C	196.20 µS/cm	6.96 mg/L	0.98 NTU	100.0 mV	14.81 ft	225.00 ml/min
2/13/2025 11:31 AM	05:00	4.56 pH	17.95 °C	195.86 µS/cm	1.96 mg/L	0.30 NTU	144.0 mV	15.11 ft	225.00 ml/min
2/13/2025 11:36 AM	10:00	4.52 pH	18.27 °C	194.45 µS/cm	1.51 mg/L	0.31 NTU	114.6 mV	15.12 ft	225.00 ml/min
2/13/2025 11:41 AM	15:00	4.51 pH	18.36 °C	195.48 µS/cm	1.34 mg/L	0.31 NTU	112.9 mV	15.12 ft	225.00 ml/min
2/13/2025 11:46 AM	20:00	4.50 pH	18.38 °C	195.84 µS/cm	1.39 mg/L	0.30 NTU	111.4 mV	15.12 ft	225.00 ml/min
2/13/2025 11:51 AM	25:00	4.49 pH	18.38 °C	196.00 µS/cm	1.46 mg/L	0.32 NTU	108.6 mV	15.12 ft	225.00 ml/min
2/13/2025 11:56 AM	30:00	4.49 pH	18.35 °C	188.78 µS/cm	1.37 mg/L	0.24 NTU	106.9 mV	15.12 ft	225.00 ml/min
2/13/2025 12:01 PM	35:00	4.49 pH	18.29 °C	198.38 µS/cm	1.37 mg/L	0.20 NTU	106.6 mV	15.12 ft	225.00 ml/min
2/13/2025 12:06 PM	40:00	4.50 pH	18.38 °C	201.12 µS/cm	1.38 mg/L	0.33 NTU	103.5 mV	15.12 ft	225.00 ml/min
2/13/2025 12:11 PM	45:00	4.49 pH	18.35 °C	206.19 µS/cm	1.22 mg/L	0.31 NTU	102.9 mV	15.12 ft	225.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 9:27:05 AM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: WGWC-25 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.83 ft** **Total Depth: 39.83 ft** **Initial Depth to Water: 18.13 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 65.58 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 8.04 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1232
Rainy, 40s Field filtered for Dissolved Metals

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	
2/12/2025 9:27 AM	00:00	5.93 pH	15.03 °C	266.32 µS/cm	1.21 mg/L	37.10 NTU	40.6 mV	18.13 ft	300.00 ml/min
2/12/2025 9:32 AM	05:00	5.91 pH	15.15 °C	269.67 µS/cm	0.30 mg/L	23.70 NTU	9.5 mV	18.60 ft	300.00 ml/min
2/12/2025 9:37 AM	10:00	5.88 pH	14.68 °C	272.47 µS/cm	0.28 mg/L	19.80 NTU	0.6 mV	18.60 ft	300.00 ml/min
2/12/2025 9:42 AM	15:00	5.90 pH	14.53 °C	274.56 µS/cm	0.28 mg/L	18.10 NTU	-10.7 mV	18.60 ft	300.00 ml/min
2/12/2025 9:47 AM	20:00	5.90 pH	15.29 °C	276.78 µS/cm	0.24 mg/L	19.00 NTU	-16.4 mV	18.60 ft	300.00 ml/min
2/12/2025 9:52 AM	25:00	5.93 pH	15.94 °C	276.48 µS/cm	0.23 mg/L	24.50 NTU	-27.7 mV	18.80 ft	400.00 ml/min
2/12/2025 9:57 AM	30:00	5.88 pH	15.94 °C	275.17 µS/cm	0.19 mg/L	12.60 NTU	-22.6 mV	18.80 ft	400.00 ml/min
2/12/2025 10:02 AM	35:00	5.87 pH	15.55 °C	277.71 µS/cm	0.19 mg/L	10.70 NTU	-24.4 mV	18.80 ft	400.00 ml/min
2/12/2025 10:07 AM	40:00	5.88 pH	15.89 °C	276.82 µS/cm	0.19 mg/L	9.27 NTU	-29.9 mV	18.80 ft	400.00 ml/min
2/12/2025 10:12 AM	45:00	5.90 pH	15.77 °C	276.74 µS/cm	0.18 mg/L	8.94 NTU	-35.5 mV	18.80 ft	400.00 ml/min
2/12/2025 10:17 AM	50:00	5.91 pH	15.48 °C	273.07 µS/cm	0.19 mg/L	9.53 NTU	-40.0 mV	18.80 ft	400.00 ml/min
2/12/2025 10:22 AM	55:00	5.92 pH	15.96 °C	278.35 µS/cm	0.19 mg/L	8.96 NTU	-45.8 mV	18.80 ft	400.00 ml/min
2/12/2025 10:27 AM	01:00:00	5.93 pH	16.08 °C	278.36 µS/cm	0.18 mg/L	8.40 NTU	-49.5 mV	18.80 ft	400.00 ml/min

2/12/2025 10:32 AM	01:05:00	5.94 pH	15.83 °C	279.02 µS/cm	0.18 mg/L	9.09 NTU	-52.3 mV	18.80 ft	400.00 ml/min
2/12/2025 10:37 AM	01:10:00	5.96 pH	15.68 °C	279.57 µS/cm	0.18 mg/L	7.86 NTU	-55.8 mV	18.80 ft	400.00 ml/min
2/12/2025 10:42 AM	01:15:00	5.98 pH	15.58 °C	281.99 µS/cm	0.18 mg/L	6.94 NTU	-59.3 mV	18.80 ft	400.00 ml/min
2/12/2025 10:47 AM	01:20:00	6.01 pH	15.74 °C	282.49 µS/cm	0.18 mg/L	7.32 NTU	-63.9 mV	18.80 ft	400.00 ml/min
2/12/2025 10:52 AM	01:25:00	6.04 pH	15.90 °C	283.64 µS/cm	0.18 mg/L	7.84 NTU	-68.1 mV	18.80 ft	400.00 ml/min
2/12/2025 10:57 AM	01:30:00	6.09 pH	15.37 °C	285.21 µS/cm	0.31 mg/L	8.55 NTU	-71.5 mV	18.80 ft	400.00 ml/min
2/12/2025 11:02 AM	01:35:00	6.10 pH	15.87 °C	290.33 µS/cm	0.19 mg/L	7.84 NTU	-74.4 mV	18.80 ft	400.00 ml/min
2/12/2025 11:07 AM	01:40:00	6.13 pH	15.88 °C	294.20 µS/cm	0.17 mg/L	8.17 NTU	-75.3 mV	18.80 ft	400.00 ml/min
2/12/2025 11:12 AM	01:45:00	6.16 pH	15.74 °C	297.61 µS/cm	0.17 mg/L	9.46 NTU	-74.0 mV	18.80 ft	400.00 ml/min
2/12/2025 11:17 AM	01:50:00	6.19 pH	15.80 °C	301.91 µS/cm	0.18 mg/L	10.60 NTU	-71.0 mV	18.80 ft	400.00 ml/min
2/12/2025 11:22 AM	01:55:00	6.20 pH	15.57 °C	306.32 µS/cm	0.17 mg/L	11.60 NTU	-63.8 mV	18.80 ft	400.00 ml/min
2/12/2025 11:27 AM	02:00:00	6.21 pH	15.20 °C	304.81 µS/cm	0.14 mg/L	12.00 NTU	-53.8 mV	18.80 ft	300.00 ml/min
2/12/2025 11:32 AM	02:05:00	6.27 pH	15.07 °C	312.08 µS/cm	0.17 mg/L	15.00 NTU	-46.6 mV	18.80 ft	300.00 ml/min
2/12/2025 11:37 AM	02:10:00	6.26 pH	15.17 °C	305.70 µS/cm	0.18 mg/L	18.70 NTU	-37.1 mV	18.80 ft	300.00 ml/min
2/12/2025 11:42 AM	02:15:00	6.23 pH	15.57 °C	305.79 µS/cm	0.16 mg/L	17.60 NTU	-27.4 mV	18.80 ft	300.00 ml/min
2/12/2025 11:47 AM	02:20:00	6.22 pH	15.78 °C	302.66 µS/cm	0.16 mg/L	20.80 NTU	-20.0 mV	18.80 ft	300.00 ml/min
2/12/2025 11:52 AM	02:25:00	6.21 pH	15.48 °C	299.24 µS/cm	0.16 mg/L	22.20 NTU	-13.8 mV	18.80 ft	300.00 ml/min
2/12/2025 11:57 AM	02:30:00	6.20 pH	14.91 °C	293.04 µS/cm	0.16 mg/L	23.70 NTU	-7.9 mV	18.80 ft	200.00 ml/min
2/12/2025 12:02 PM	02:35:00	6.29 pH	13.51 °C	293.53 µS/cm	0.18 mg/L	29.60 NTU	-8.9 mV	18.80 ft	200.00 ml/min
2/12/2025 12:07 PM	02:40:00	6.29 pH	14.06 °C	289.28 µS/cm	0.21 mg/L	36.40 NTU	-10.8 mV	18.80 ft	200.00 ml/min
2/12/2025 12:12 PM	02:45:00	6.28 pH	15.47 °C	284.30 µS/cm	0.22 mg/L	41.30 NTU	-12.9 mV	18.80 ft	400.00 ml/min
2/12/2025 12:17 PM	02:50:00	6.24 pH	15.12 °C	280.25 µS/cm	0.16 mg/L	37.20 NTU	-6.5 mV	18.80 ft	400.00 ml/min
2/12/2025 12:22 PM	02:55:00	6.21 pH	15.42 °C	273.53 µS/cm	0.16 mg/L	33.40 NTU	-0.1 mV	18.80 ft	400.00 ml/min
2/12/2025 12:27 PM	03:00:00	6.20 pH	15.74 °C	268.13 µS/cm	0.16 mg/L	32.00 NTU	3.9 mV	18.80 ft	400.00 ml/min
2/12/2025 12:32 PM	03:05:12	6.19 pH	15.65 °C	263.39 µS/cm	0.16 mg/L	30.00 NTU	7.5 mV	18.80 ft	400.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 9:41:55 AM
Project: Plant Wansley Ash Pond
Operator Name: Hunter Auld

Location Name: WGWC-27 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.69 ft** **Total Depth: 41.69 ft** **Initial Depth to Water: 14.12 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: 19.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 114 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1170046**

Test Notes:
Sample time 1132. Rain 45 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	
2/12/2025 9:41 AM	00:00	6.48 pH	15.26 °C	489.27 µS/cm	2.66 mg/L	3.40 NTU	-6.4 mV	14.12 ft	150.00 ml/min
2/12/2025 9:46 AM	05:00	6.57 pH	16.37 °C	582.57 µS/cm	1.51 mg/L	2.51 NTU	-20.8 mV	15.80 ft	150.00 ml/min
2/12/2025 9:51 AM	10:00	6.59 pH	16.59 °C	586.93 µS/cm	1.08 mg/L	2.77 NTU	-23.9 mV	16.40 ft	150.00 ml/min
2/12/2025 9:56 AM	15:00	6.54 pH	16.56 °C	551.99 µS/cm	1.38 mg/L	1.03 NTU	-15.9 mV	17.00 ft	150.00 ml/min
2/12/2025 10:01 AM	20:00	6.50 pH	16.65 °C	520.42 µS/cm	1.76 mg/L	1.20 NTU	-7.7 mV	17.70 ft	150.00 ml/min
2/12/2025 10:06 AM	25:00	6.46 pH	16.58 °C	470.56 µS/cm	2.04 mg/L	2.40 NTU	-1.8 mV	18.00 ft	150.00 ml/min
2/12/2025 10:11 AM	30:00	6.40 pH	16.53 °C	392.78 µS/cm	2.40 mg/L	2.30 NTU	2.5 mV	18.50 ft	150.00 ml/min
2/12/2025 10:16 AM	35:00	6.33 pH	16.61 °C	336.13 µS/cm	2.88 mg/L	1.70 NTU	10.7 mV	18.90 ft	200.00 ml/min
2/12/2025 10:21 AM	40:00	6.28 pH	16.65 °C	305.11 µS/cm	3.30 mg/L	1.83 NTU	18.3 mV	19.20 ft	200.00 ml/min
2/12/2025 10:26 AM	45:00	6.26 pH	17.00 °C	288.32 µS/cm	3.54 mg/L	2.10 NTU	21.9 mV	19.90 ft	200.00 ml/min
2/12/2025 10:31 AM	50:00	6.24 pH	17.00 °C	271.72 µS/cm	3.57 mg/L	1.40 NTU	25.9 mV	20.50 ft	200.00 ml/min
2/12/2025 10:36 AM	55:00	6.22 pH	17.10 °C	254.60 µS/cm	3.85 mg/L	1.80 NTU	29.8 mV	20.90 ft	200.00 ml/min
2/12/2025 10:41 AM	01:00:00	6.19 pH	16.92 °C	237.79 µS/cm	4.27 mg/L	1.52 NTU	32.8 mV	21.30 ft	200.00 ml/min
2/12/2025 10:46 AM	01:05:00	6.16 pH	17.10 °C	182.83 µS/cm	4.23 mg/L	1.40 NTU	47.0 mV	21.70 ft	200.00 ml/min

2/12/2025 10:51 AM	01:10:00	6.16 pH	17.05 °C	221.01 µS/cm	4.53 mg/L	1.80 NTU	38.3 mV	22.10 ft	200.00 ml/min
2/12/2025 10:56 AM	01:15:00	6.14 pH	17.01 °C	213.30 µS/cm	4.83 mg/L	1.10 NTU	39.8 mV	22.50 ft	200.00 ml/min
2/12/2025 11:01 AM	01:20:00	6.13 pH	17.10 °C	204.49 µS/cm	4.81 mg/L	1.20 NTU	41.8 mV	22.70 ft	200.00 ml/min
2/12/2025 11:06 AM	01:25:00	6.12 pH	16.97 °C	199.67 µS/cm	4.92 mg/L	0.71 NTU	43.0 mV	23.00 ft	200.00 ml/min
2/12/2025 11:11 AM	01:30:00	6.09 pH	17.07 °C	196.66 µS/cm	4.90 mg/L	1.50 NTU	45.2 mV	23.30 ft	200.00 ml/min
2/12/2025 11:16 AM	01:35:00	6.09 pH	16.83 °C	188.86 µS/cm	5.08 mg/L	1.20 NTU	45.0 mV	23.40 ft	150.00 ml/min
2/12/2025 11:21 AM	01:40:00	6.05 pH	16.77 °C	171.35 µS/cm	5.22 mg/L	1.50 NTU	47.5 mV	23.50 ft	150.00 ml/min
2/12/2025 11:26 AM	01:45:00	6.03 pH	16.57 °C	166.73 µS/cm	5.25 mg/L	1.60 NTU	48.9 mV	23.50 ft	150.00 ml/min
2/12/2025 11:31 AM	01:50:00	6.02 pH	16.69 °C	164.96 µS/cm	5.37 mg/L	1.30 NTU	49.4 mV	23.60 ft	150.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/12/2025 9:42:06 AM
Project: Plant Wansley Ash Pond
Operator Name: D. Johnson

Location Name: WGWC-28D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 199.58 ft** **Total Depth: 209.58 ft** **Initial Depth to Water: 35.35 ft**	**Pump Type: Dedicated Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 205 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 16.32 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1022. Rain, 44 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	
2/12/2025 9:42 AM	00:00	6.63 pH	7.08 °C	2,634.5 µS/cm	10.16 mg/L	0.73 NTU	91.5 mV	35.35 ft	150.00 ml/min
2/12/2025 9:47 AM	05:00	6.48 pH	7.03 °C	2,587.0 µS/cm	8.67 mg/L	1.34 NTU	50.9 mV	35.82 ft	150.00 ml/min
2/12/2025 9:52 AM	10:00	6.55 pH	7.18 °C	2,619.9 µS/cm	4.78 mg/L	0.59 NTU	-92.2 mV	35.93 ft	150.00 ml/min
2/12/2025 9:57 AM	15:00	6.62 pH	7.35 °C	2,608.4 µS/cm	3.22 mg/L	0.62 NTU	-115.7 mV	36.11 ft	150.00 ml/min
2/12/2025 10:02 AM	20:00	6.66 pH	7.16 °C	2,598.6 µS/cm	3.01 mg/L	0.48 NTU	-125.8 mV	36.38 ft	150.00 ml/min
2/12/2025 10:07 AM	25:00	6.66 pH	7.18 °C	2,595.0 µS/cm	2.32 mg/L	0.32 NTU	-128.8 mV	36.55 ft	150.00 ml/min
2/12/2025 10:12 AM	30:00	6.67 pH	7.29 °C	2,593.8 µS/cm	2.01 mg/L	0.34 NTU	-128.8 mV	36.68 ft	150.00 ml/min
2/12/2025 10:17 AM	35:00	6.67 pH	7.32 °C	2,583.4 µS/cm	1.92 mg/L	0.36 NTU	-120.0 mV	36.71 ft	150.00 ml/min
2/12/2025 10:22 AM	40:00	6.64 pH	6.98 °C	2,581.3 µS/cm	1.82 mg/L	0.32 NTU	-104.4 mV	36.71 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 4/7/2025 12:56:02 PM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: PZ-32D **Well Diameter: 1 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 315 ft** **Total Depth: 325 ft** **Initial Depth to Water: 6.59 ft**	**Pump Type: Double Valve Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 320 ft** **Estimated Total Volume Pumped: 5.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.52 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sampled at 1351. Cloudy 61 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	
4/7/2025 12:56 PM	00:00	7.42 pH	20.84 °C	1,978.7 µS/cm	3.97 mg/L	6.02 NTU	179.2 mV	6.59 ft	100.00 ml/min
4/7/2025 1:01 PM	05:00	7.58 pH	19.35 °C	1,963.5 µS/cm	3.68 mg/L	6.54 NTU	25.4 mV	7.07 ft	100.00 ml/min
4/7/2025 1:06 PM	10:00	7.60 pH	18.93 °C	1,966.5 µS/cm	4.70 mg/L	10.20 NTU	-69.6 mV	7.58 ft	100.00 ml/min
4/7/2025 1:11 PM	15:00	7.63 pH	18.75 °C	1,944.3 µS/cm	4.93 mg/L	7.42 NTU	-80.6 mV	7.65 ft	100.00 ml/min
4/7/2025 1:16 PM	20:00	7.63 pH	18.70 °C	1,916.3 µS/cm	2.32 mg/L	6.11 NTU	-110.2 mV	7.72 ft	100.00 ml/min
4/7/2025 1:21 PM	25:00	7.64 pH	18.55 °C	1,888.0 µS/cm	1.23 mg/L	11.80 NTU	-131.3 mV	7.79 ft	100.00 ml/min
4/7/2025 1:26 PM	30:00	7.62 pH	18.46 °C	1,874.2 µS/cm	0.86 mg/L	9.65 NTU	-141.9 mV	7.85 ft	100.00 ml/min
4/7/2025 1:31 PM	35:00	7.56 pH	18.38 °C	1,861.9 µS/cm	0.66 mg/L	7.22 NTU	-147.4 mV	7.91 ft	100.00 ml/min
4/7/2025 1:36 PM	40:00	7.50 pH	18.25 °C	1,848.4 µS/cm	0.54 mg/L	5.31 NTU	-151.9 mV	7.99 ft	100.00 ml/min
4/7/2025 1:41 PM	45:00	7.44 pH	18.13 °C	1,817.5 µS/cm	0.47 mg/L	4.87 NTU	-154.4 mV	8.06 ft	100.00 ml/min
4/7/2025 1:46 PM	49:59	7.39 pH	18.07 °C	1,813.0 µS/cm	0.41 mg/L	4.81 NTU	-157.4 mV	8.11 ft	100.00 ml/min
4/7/2025 1:51 PM	54:59	7.36 pH	17.98 °C	1,791.3 µS/cm	0.37 mg/L	4.89 NTU	-159.6 mV	8.11 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/7/2025 2:34:55 PM
Project: Plant Wansley Ash Pond
Operator Name: Taylor Goble

Location Name: PZ-33D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 395 ft** **Total Depth: 405 ft** **Initial Depth to Water: 6.58 ft**	**Pump Type: Double Valve Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 400 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.9 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sampled at 1505. Raining 60 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	
4/7/2025 2:34 PM	00:00	7.10 pH	17.73 °C	1,677.0 µS/cm	5.35 mg/L	10.30 NTU	-20.7 mV	6.58 ft	100.00 ml/min
4/7/2025 2:39 PM	05:00	7.82 pH	17.17 °C	1,698.9 µS/cm	1.52 mg/L	3.53 NTU	-140.3 mV	6.87 ft	100.00 ml/min
4/7/2025 2:44 PM	10:00	7.85 pH	17.10 °C	1,700.1 µS/cm	1.15 mg/L	2.33 NTU	-143.2 mV	7.17 ft	100.00 ml/min
4/7/2025 2:49 PM	15:00	7.85 pH	16.98 °C	1,697.3 µS/cm	0.99 mg/L	2.12 NTU	-146.5 mV	7.30 ft	100.00 ml/min
4/7/2025 2:54 PM	20:00	7.84 pH	17.17 °C	1,694.7 µS/cm	0.74 mg/L	1.88 NTU	-147.1 mV	7.37 ft	100.00 ml/min
4/7/2025 2:59 PM	25:00	7.83 pH	17.16 °C	1,689.3 µS/cm	0.60 mg/L	1.71 NTU	-150.0 mV	7.44 ft	100.00 ml/min
4/7/2025 3:04 PM	30:00	7.83 pH	17.19 °C	1,686.4 µS/cm	0.55 mg/L	1.65 NTU	-150.8 mV	7.48 ft	100.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 6/4/2025 10:07:05 AM
Project: Plant Wansley Ash Pond
Operator Name: J. May

Location Name: PZ-23D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 84.78 ft** **Total Depth: 94.78 ft** **Initial Depth to Water: 48.83 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 89.78 ft** **Estimated Total Volume Pumped: 13.8 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 230 ml/min** **Final Draw Down: 3.24 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183949**

Test Notes:
Sample Time: 1107
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	
6/4/2025 10:07 AM	00:00	5.89 pH	19.12 °C	284.24 µS/cm	0.70 mg/L	12.10 NTU	90.3 mV	48.83 ft	230.00 ml/min
6/4/2025 10:12 AM	05:00	5.85 pH	18.61 °C	276.40 µS/cm	0.29 mg/L	7.03 NTU	56.3 mV	49.10 ft	230.00 ml/min
6/4/2025 10:17 AM	10:00	6.09 pH	18.60 °C	275.77 µS/cm	0.24 mg/L	6.86 NTU	34.9 mV	49.10 ft	230.00 ml/min
6/4/2025 10:22 AM	15:00	6.29 pH	18.44 °C	275.80 µS/cm	0.20 mg/L	6.01 NTU	13.0 mV	49.10 ft	230.00 ml/min
6/4/2025 10:27 AM	20:00	6.44 pH	18.29 °C	275.26 µS/cm	0.19 mg/L	6.14 NTU	-5.5 mV	49.10 ft	230.00 ml/min
6/4/2025 10:32 AM	25:00	6.50 pH	18.41 °C	275.91 µS/cm	0.18 mg/L	5.15 NTU	-13.4 mV	49.10 ft	230.00 ml/min
6/4/2025 10:37 AM	30:00	6.54 pH	18.29 °C	277.12 µS/cm	0.18 mg/L	5.88 NTU	-20.2 mV	49.10 ft	230.00 ml/min
6/4/2025 10:42 AM	35:00	6.70 pH	18.38 °C	280.31 µS/cm	0.15 mg/L	5.42 NTU	-30.3 mV	49.10 ft	230.00 ml/min
6/4/2025 10:47 AM	40:00	6.62 pH	18.28 °C	281.02 µS/cm	0.17 mg/L	5.09 NTU	-35.9 mV	49.10 ft	230.00 ml/min
6/4/2025 10:52 AM	45:00	6.55 pH	18.36 °C	273.37 µS/cm	0.22 mg/L	4.25 NTU	-42.4 mV	49.10 ft	230.00 ml/min
6/4/2025 10:57 AM	50:00	6.57 pH	18.44 °C	266.75 µS/cm	0.29 mg/L	4.36 NTU	-45.7 mV	49.10 ft	230.00 ml/min
6/4/2025 11:02 AM	55:00	6.52 pH	18.54 °C	260.18 µS/cm	0.37 mg/L	3.05 NTU	-47.5 mV	49.10 ft	230.00 ml/min
6/4/2025 11:07 AM	01:00:00	6.59 pH	18.55 °C	256.14 µS/cm	0.42 mg/L	3.34 NTU	-47.8 mV	49.10 ft	230.00 ml/min

Samples

Sample ID:	Description:

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1120055
Created	2/12/2025

Sensor	**RDO**
Serial Number	1114677
Last Calibrated	2/12/2025

Calibration Details

Slope	1.0353734
Offset	-0.00 mg/L

Calibration point 100%

Concentration	11.67 mg/L
Temperature	6.00 °C
Barometric Pressure	983.98 mbar

Sensor	**Conductivity**
Serial Number	1120055
Last Calibrated	2/12/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.803
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1117461
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22654
Last Calibrated	2/12/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	158.2 mV
Temperature	7.05 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-6.3 mV
Temperature	6.92 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-163.7 mV
Temperature	6.86 °C

Slope and Offset 1

Slope	-53.78 mV/pH
Offset	-3.1 mV

Slope and Offset 2

Slope	-51.1 mV/pH
Offset	-3.3 mV

ORP

ORP Solution	ORP Standard
Offset	-20.0 mV
Temperature	7.14 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	884189
Created	2/10/2025

Sensor	**RDO**
Serial Number	1114594
Last Calibrated	Factory Defaults

Sensor	**Conductivity**
Serial Number	884189
Last Calibrated	2/10/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.848
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	879249
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	21633
Last Calibrated	2/10/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	161.6 mV
Temperature	17.99 °C

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	-12.9 mV
Temperature	15.44 °C

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-179.1 mV
Temperature	16.13 °C

Slope and Offset 1

Slope	-57.4 mV/pH
Offset	-10.6 mV

Slope and Offset 2

Slope	-54.15 mV/pH
Offset	-10.7 mV

ORP

ORP Solution	Quick Cal
Offset	0.0 mV
Temperature	25.00 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	884189
Created	2/11/2025

Sensor	**RDO**
Serial Number	1114594
Last Calibrated	2/11/2025

Calibration Details

Slope	1.1307456
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.04 mg/L
Temperature	13.48 °C
Barometric Pressure	993.58 mbar

Sensor	**Conductivity**
Serial Number	884189
Last Calibrated	2/11/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.965
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	879249
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	21633
Last Calibrated	2/11/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	155.0 mV
Temperature	11.30 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-14.6 mV
Temperature	10.73 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-178.0 mV
Temperature	11.02 °C

Slope and Offset 1

Slope	-55.44 mV/pH
Offset	-11.3 mV

Slope and Offset 2

Slope	-53.03 mV/pH
Offset	-11.5 mV

ORP

ORP Solution	Zobell's
Offset	2.4 mV
Temperature	10.17 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	884189
Created	2/12/2025

Sensor	**RDO**
Serial Number	1114594
Last Calibrated	2/12/2025

Calibration Details

Slope	1.1237576
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.44 mg/L
Temperature	7.33 °C
Barometric Pressure	987.13 mbar

Sensor	**Conductivity**
Serial Number	884189
Last Calibrated	2/12/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.869
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	879249
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	21633
Last Calibrated	2/12/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	154.7 mV
Temperature	7.13 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-14.4 mV
Temperature	7.08 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-175.1 mV
Temperature	7.07 °C

Slope and Offset 1

Slope	-55.26 mV/pH
Offset	-11.1 mV

Slope and Offset 2

Slope	-52.19 mV/pH
Offset	-11.3 mV

ORP

ORP Solution	Zobell's
Offset	2.4 mV
Temperature	10.17 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	884189
Created	2/13/2025

Sensor **RDO**

Serial Number	1114594
Last Calibrated	2/13/2025

Calibration Details

Slope	1.1220732
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.59 mg/L
Temperature	11.10 °C
Barometric Pressure	991.15 mbar

Sensor **Conductivity**

Serial Number	884189
Last Calibrated	2/13/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.873
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor **Level**

Serial Number	879249
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	21633
Last Calibrated	2/13/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	148.5 mV
Temperature	10.26 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-9.6 mV
Temperature	10.88 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-178.5 mV
Temperature	10.36 °C

Slope and Offset 1

Slope	-51.68 mV/pH
Offset	-6.5 mV

Slope and Offset 2

Slope	-54.85 mV/pH
Offset	-6.3 mV

ORP

ORP Solution	Zobell's
Offset	2.4 mV
Temperature	10.17 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1170046
Created	2/12/2025

Sensor	**RDO**
Serial Number	1165124
Last Calibrated	2/12/2025

Calibration Details

Slope	0.9177589
Offset	-0.00 mg/L

Calibration point 100%

Concentration	13.24 mg/L
Temperature	5.32 °C
Barometric Pressure	985.79 mbar

Sensor	**Conductivity**
Serial Number	1170046
Last Calibrated	2/12/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.948
Reference Temperature	20.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1167507
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22818
Last Calibrated	2/12/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	158.5 mV
Temperature	5.32 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-12.3 mV
Temperature	6.62 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-170.2 mV
Temperature	6.25 °C

Slope and Offset 1

Slope	-55.81 mV/pH
Offset	-8.9 mV

Slope and Offset 2

Slope	-51.28 mV/pH
Offset	-9.2 mV

ORP

ORP Solution	ORP Standard
Offset	-19.9 mV
Temperature	5.96 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	989619
Created	2/11/2025

Sensor	**RDO**
Serial Number	1144824
Last Calibrated	2/11/2025

Calibration Details

Slope	1.0139316
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.23 mg/L
Temperature	12.79 °C
Barometric Pressure	993.23 mbar

Sensor	**Conductivity**
Serial Number	989619
Last Calibrated	2/11/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.698
Reference Temperature	20.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	991190
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22096
Last Calibrated	2/11/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	147.7 mV
Temperature	10.25 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	5.5 mV
Temperature	9.17 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-167.3 mV
Temperature	8.41 °C

Slope and Offset 1

Slope	-46.45 mV/pH
Offset	8.3 mV

Slope and Offset 2

Slope	-56.11 mV/pH
Offset	8.9 mV

ORP

ORP Solution	Zobell's
Offset	4.1 mV
Temperature	7.60 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	989619
Created	2/10/2025

Sensor	**RDO**
Serial Number	1144824
Last Calibrated	2/10/2025

Calibration Details

Slope	1.0651127
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.23 mg/L
Temperature	15.47 °C
Barometric Pressure	998.12 mbar

Sensor	**Conductivity**
Serial Number	989619
Last Calibrated	2/10/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.702
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	991190
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22096
Last Calibrated	2/10/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	153.6 mV
Temperature	13.57 °C

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	10.9 mV
Temperature	13.15 °C

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-163.3 mV
Temperature	12.68 °C

Slope and Offset 1

Slope	-46.93 mV/pH
Offset	12.8 mV

Slope and Offset 2

Slope	-56.76 mV/pH
Offset	13.2 mV

ORP

ORP Solution	Zobell's
Offset	3.7 mV
Temperature	12.37 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	989619
Created	2/11/2025

Sensor	**RDO**
Serial Number	1144824
Last Calibrated	2/11/2025

Calibration Details

Slope	1.0139316
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.23 mg/L
Temperature	12.79 °C
Barometric Pressure	993.23 mbar

Sensor	**Conductivity**
Serial Number	989619
Last Calibrated	2/11/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.775
Reference Temperature	20.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	991190
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22096
Last Calibrated	2/11/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	150.8 mV
Temperature	10.44 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-15.8 mV
Temperature	9.53 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-174.6 mV
Temperature	9.85 °C

Slope and Offset 1

Slope	-54.46 mV/pH
Offset	-12.6 mV

Slope and Offset 2

Slope	-51.54 mV/pH
Offset	-12.7 mV

ORP

ORP Solution	Zobell's
Offset	4.1 mV
Temperature	7.60 °C

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	2/10/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	2/10/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.907
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,200.7 µS/cm
Specific Conductivity	1,419.2 µS/cm

Post Measurement

Actual Conductivity	1,195.5 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	2/10/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	151.7 mV
Temperature	16.65 °C

Pre Measurement

pH	3.96 pH
pH mV	151.6 mV

Post Measurement

pH	4.00 pH
pH mV	147.4 mV

Calibration Point 2

pH of Buffer	7.04 pH
pH mV	-5.7 mV
Temperature	16.44 °C

Pre Measurement

pH	6.90 pH
pH mV	-5.6 mV

Post Measurement

pH	7.04 pH
pH mV	-5.6 mV

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-174.1 mV
Temperature	16.53 °C

Pre Measurement

pH	10.21 pH
pH mV	-174.0 mV

Post Measurement

pH	10.11 pH
pH mV	-169.2 mV

Slope and Offset 1

Slope	-51.78 mV/pH
Offset	-3.7 mV

Slope and Offset 2

Slope	-54.85 mV/pH

Offset	-3.5 mV

ORP

ORP Solution	Zobell's
Offset	-4.1 mV
Temperature	17.26 °C
Pre Measurement	235.4 mV
Post Measurement	239.2 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	2/10/2025

Calibration Details

Slope	1.0266192
Offset	-0.00 mg/L

Calibration point 100%

Concentration	9.12 mg/L
Pre Measurement	98.60 %Sat
Post Measurement	100.00 %Sat
Temperature	17.68 °C
Barometric Pressure	995.96 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	2/11/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	2/11/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.82
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,132.4 µS/cm
Specific Conductivity	1,563.4 µS/cm

Post Measurement

Actual Conductivity	1,023.5 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	2/11/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	171.3 mV
Temperature	10.77 °C

Pre Measurement

pH	4.11 pH
pH mV	171.4 mV

Post Measurement

pH	4.00 pH
pH mV	163.1 mV

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	8.1 mV
Temperature	10.47 °C

Pre Measurement

pH	6.91 pH
pH mV	7.9 mV

Post Measurement

pH	7.06 pH
pH mV	7.7 mV

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-152.1 mV
Temperature	10.65 °C

Pre Measurement

pH	10.27 pH
pH mV	-151.8 mV

Post Measurement

pH	10.14 pH
pH mV	-144.8 mV

Slope and Offset 1

Slope	-53.35 mV/pH
Offset	11.3 mV

Slope and Offset 2

Slope	-52 mV/pH

Offset	11.2 mV

ORP

ORP Solution	Zobell's
Offset	-23.5 mV
Temperature	10.61 °C
Pre Measurement	251.2 mV
Post Measurement	247.9 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	2/11/2025

Calibration Details

Slope	1.0160357
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.78 mg/L
Pre Measurement	101.09 %Sat
Post Measurement	100.00 %Sat
Temperature	10.33 °C
Barometric Pressure	991.56 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	2/12/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	2/12/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.851
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	864.38 µS/cm
Specific Conductivity	1,361.1 µS/cm

Post Measurement

Actual Conductivity	897.35 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	2/12/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	151.4 mV
Temperature	6.39 °C

Pre Measurement

pH	4.14 pH
pH mV	151.4 mV

Post Measurement

pH	4.00 pH
pH mV	142.0 mV

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-10.2 mV
Temperature	6.06 °C

Pre Measurement

pH	7.21 pH
pH mV	-10.4 mV

Post Measurement

pH	7.06 pH
pH mV	-9.6 mV

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-166.9 mV
Temperature	6.22 °C

Pre Measurement

pH	10.30 pH
pH mV	-166.7 mV

Post Measurement

pH	10.14 pH
pH mV	-156.4 mV

Slope and Offset 1

Slope	-52.82 mV/pH
Offset	-7.1 mV

Slope and Offset 2

Slope	-50.88 mV/pH

Offset	-7.2 mV

ORP

ORP Solution	Zobell's
Offset	-12.1 mV
Temperature	5.86 °C
Pre Measurement	249.4 mV
Post Measurement	254.1 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	2/12/2025

Calibration Details

Slope	1.0222183
Offset	-0.00 mg/L

Calibration point 100%

Concentration	11.09 mg/L
Pre Measurement	99.33 %Sat
Post Measurement	100.00 %Sat
Temperature	8.68 °C
Barometric Pressure	986.70 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	2/13/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	2/13/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.842
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	986.64 µS/cm
Specific Conductivity	1,427.1 µS/cm

Post Measurement

Actual Conductivity	976.87 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	2/13/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	154.5 mV
Temperature	9.73 °C

Pre Measurement

pH	3.98 pH
pH mV	154.4 mV

Post Measurement

pH	4.00 pH
pH mV	146.6 mV

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-6.2 mV
Temperature	9.66 °C

Pre Measurement

pH	6.98 pH
pH mV	-6.1 mV

Post Measurement

pH	7.06 pH
pH mV	-5.8 mV

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-165.9 mV
Temperature	9.31 °C

Pre Measurement

pH	10.07 pH
pH mV	-165.4 mV

Post Measurement

pH	10.14 pH
pH mV	-157.1 mV

Slope and Offset 1

Slope	-52.49 mV/pH
Offset	-3.0 mV

Slope and Offset 2

Slope	-51.86 mV/pH

Offset	-3.0 mV

ORP

ORP Solution	Zobell's
Offset	-10.9 mV
Temperature	9.25 °C
Pre Measurement	234.3 mV
Post Measurement	249.7 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	2/13/2025

Calibration Details

Slope	1.0168191
Offset	-0.00 mg/L

Calibration point 100%

Concentration	10.12 mg/L
Pre Measurement	100.45 %Sat
Post Measurement	100.00 %Sat
Temperature	13.04 °C
Barometric Pressure	990.49 mbar

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	989619
Created	2/12/2025

Sensor	**RDO**
Serial Number	1144824
Last Calibrated	2/12/2025

Calibration Details

Slope	0.953284
Offset	-0.00 mg/L

Calibration point 100%

Concentration	13.05 mg/L
Temperature	5.05 °C
Barometric Pressure	988.28 mbar

Sensor	**Conductivity**
Serial Number	989619
Last Calibrated	2/12/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.934
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	991190
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22096
Last Calibrated	2/12/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	150.8 mV
Temperature	5.64 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-14.1 mV
Temperature	5.63 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-177.6 mV
Temperature	5.39 °C

Slope and Offset 1

Slope	-53.89 mV/pH
Offset	-10.9 mV

Slope and Offset 2

Slope	-53.07 mV/pH
Offset	-10.9 mV

ORP

ORP Solution	ORP Standard
Offset	-13.7 mV
Temperature	5.27 °C

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	989619
Created	2/13/2025

Sensor	**RDO**
Serial Number	1144824
Last Calibrated	2/13/2025

Calibration Details

Slope	0.9755691
Offset	-0.00 mg/L

Calibration point 100%

Concentration	11.60 mg/L
Temperature	8.97 °C
Barometric Pressure	991.24 mbar

Sensor	**Conductivity**
Serial Number	989619
Last Calibrated	2/13/2025

Calibration Details

Offset	0.00 µS/cm
Cell Constant	0.95
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	991190
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	22096
Last Calibrated	2/13/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	153.0 mV
Temperature	9.12 °C

Calibration Point 2

pH of Buffer	7.06 pH
pH mV	-11.0 mV
Temperature	9.21 °C

Calibration Point 3

pH of Buffer	10.14 pH
pH mV	-175.4 mV
Temperature	9.22 °C

Slope and Offset 1

Slope	-53.61 mV/pH
Offset	-7.8 mV

Slope and Offset 2

Slope	-53.39 mV/pH
Offset	-7.8 mV

ORP

ORP Solution	ORP Standard
Offset	-6.8 mV
Temperature	9.07 °C

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	4/7/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	4/7/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.771
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,093.5 µS/cm
Specific Conductivity	1,175.5 µS/cm

Post Measurement

Actual Conductivity	1,314.5 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	4/7/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	153.0 mV
Temperature	21.38 °C

Pre Measurement

pH	4.11 pH
pH mV	151.7 mV

Post Measurement

pH	4.00 pH
pH mV	151.1 mV

Calibration Point 2

pH of Buffer	7.02 pH
pH mV	4.5 mV
Temperature	21.39 °C

Pre Measurement

pH	7.01 pH
pH mV	4.1 mV

Post Measurement

pH	7.02 pH
pH mV	4.4 mV

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-140.7 mV
Temperature	21.49 °C

Pre Measurement

pH	9.90 pH
pH mV	-140.7 mV

Post Measurement

pH	10.05 pH
pH mV	-139.0 mV

Slope and Offset 1

Slope	-49.16 mV/pH
Offset	5.5 mV

Slope and Offset 2

Slope	-47.9 mV/pH

Offset	5.4 mV

ORP

ORP Solution	ORP Standard
Offset	-12.5 mV
Temperature	21.36 °C
Pre Measurement	242.2 mV
Post Measurement	240.0 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	4/7/2025

Calibration Details

Slope	1.0211984
Offset	-0.00 mg/L

Calibration point 100%

Concentration	8.52 mg/L
Pre Measurement	97.98 %Sat
Post Measurement	100.00 %Sat
Temperature	20.63 °C
Barometric Pressure	982.44 mbar

Calibration Report

Instrument	Aqua TROLL 500
Serial Number	1183949
Created	6/4/2025

Sensor	**Conductivity**
Serial Number	1182771
Last Calibrated	6/4/2025

Calibration Details

TDS Conversion Factor (ppm)	0.65
Cell Constant	0.86
Offset	0.00 µS/cm
Reference Temperature	25.00 °C

Calibration Point 1

Pre Measurement

Actual Conductivity	1,580.9 µS/cm
Specific Conductivity	1,590.9 µS/cm

Post Measurement

Actual Conductivity	1,404.1 µS/cm
Specific Conductivity	1,413.0 µS/cm

Sensor	**pH/ORP**
Serial Number	1113144
Last Calibrated	6/4/2025

Calibration Details

Calibration Point 1

pH of Buffer	4.00 pH
pH mV	152.6 mV
Temperature	24.43 °C

Pre Measurement

pH	3.48 pH
pH mV	152.6 mV

Post Measurement

pH	4.00 pH
pH mV	152.3 mV

Calibration Point 2

pH of Buffer	7.00 pH
pH mV	-14.2 mV
Temperature	24.56 °C

Pre Measurement

pH	6.59 pH
pH mV	-14.2 mV

Post Measurement

pH	7.00 pH
pH mV	-14.1 mV

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-173.8 mV
Temperature	24.36 °C

Pre Measurement

pH	9.66 pH
pH mV	-173.5 mV

Post Measurement

pH	10.00 pH
pH mV	-173.4 mV

Slope and Offset 1

Slope	-55.59 mV/pH
Offset	-14.2 mV

Slope and Offset 2

Slope	-53.21 mV/pH
Offset	-14.2 mV

ORP

ORP Solution	ORP Standard
Offset	5.6 mV
Temperature	24.43 °C
Pre Measurement	229.7 mV
Post Measurement	240.0 mV

Sensor	**RDO**
Serial Number	1171170
Last Calibrated	6/4/2025

Calibration Details

Slope	0.9866612
Offset	-0.00 mg/L

Calibration point 100%

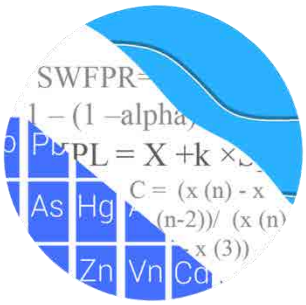
Concentration	8.30 mg/L
Pre Measurement	96.03 %Sat
Post Measurement	100.00 %Sat
Temperature	24.29 °C
Barometric Pressure	991.77 mbar

APPENDIX D

Statistical Analysis Reports

GROUNDWATER STATS CONSULTING

August 29, 2025



Southern Company Services
Attn: Mr. Trey Singleton
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Wansley Ash Pond
February 2025 Statistical Analysis

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2025 Groundwater Detection and Assessment Monitoring Statistical summary for Georgia Power Company's Plant Wansley Ash Pond. 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 and at least 8 background samples have been collected at each of the groundwater monitoring wells except for those discussed below. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** WGWA-1, WGWA-2, WGWA-3, WGWA-4, WGWA-5, WGWA-6, WGWA-7, and WGWA-18
- **Downgradient wells:** WGWC-8, WGWC-9, WGWC-10, WGWC-11, WGWC-12, WGWC-13, WGWC-14A, WGWC-15, WGWC-16, WGWC-17, WGWC-19, WGWC-20, WGWC-21, WGWC-22, WGWC-23, WGWC-24, and WGWC-25
- **Assessment wells:** WGWC-27, WGWC-28D, PZ-26D, WAMW-1, and WAMW-2

Note that downgradient wells WGWC-20, WGWC-21, WGWC-22, WGWC-23, WGWC-24, and WGWC-25 were first sampled in March 2021, and data are evaluated for Appendix III and IV constituents. Additionally, upgradient well WGWA-5 was, reportedly, damaged; therefore, this well has not been sampled for Appendix III and IV parameters since the Fall 2024 event. Historical data from this well, however, characterize groundwater upgradient of the facility and will continue to be used in constructing interwell statistical limits.

Assessment wells are evaluated for Appendix IV constituents using confidence intervals. While the USEPA Unified Guidance recommends a minimum of 8 samples, confidence intervals may be constructed when at least 4 samples are available for assessment wells.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance. In 2024, Georgia Power Company completed a data audit and migration of all CCR related groundwater data to the EarthSoft EQuIS Database Management Program (EQuIS). Data were then exported from EQuIS to Groundwater Stats Consulting (GSC) for use in completing this statistical analysis. Georgia Power Company contracted an independent third-party consultant, Environmental Resources Management (ERM), to support the data audit and migration to EQuIS. Based on the results of the audit and statistical analysis results from GSC, EQuIS will now be used by Georgia Power Company and its third-party geologists and engineers for management of data imported by independent third-party laboratories and data exported by Georgia Power Company and its Consultants. The data will be used in preparation of report submittals, modeling, strategic planning, and other purposes appropriate and consistent with EQuIS's data management and reporting tools and capabilities.

The Coal Combustion Residuals (CCR) program consists of the constituents listed below. The terms "parameters" and "constituents" are used interchangeably.

- **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

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, box plots are 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).

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 well/constituent pairs containing 100% non-detects follows this letter. Data from these wells are plotted on the time series and box plots, but no formal statistics were required.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. In the case of fluoride, it was noted that varying reporting limits were provided by the laboratory. Therefore, the historical reporting limit of 0.2 mg/L was substituted for all non-detects for fluoride to be consistent with previous analyses.

During the background screening conducted by MacStat Consulting in 2017, 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 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.

Statistical Methods – Appendix III Parameters:

Based on the earlier evaluation described above, Appendix III parameters are evaluated using interwell prediction limits combined with a 1-of-2 resample plan for the following constituents: 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. Non-detects are handled as follows:

- 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 recent 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.

Note that values shown on data pages reflect raw data and any non-detects that have been substituted with one-half of the reporting limit will be shown as "<" the original reporting limit on the data pages.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. While this was not required for this analysis, in some cases, the earlier portion of data record may require deselecting 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.

Statistical Evaluation of Appendix III Parameters – February 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. No additional values were flagged and a summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2025 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2025 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. A summary table of the background prediction limits and exceedances follows this letter. Exceedances were identified for the following well/constituent pairs:

- Boron: WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, and WGWC-25
- Calcium: WGWC-8, WGWC-20, and WGWC-21
- Chloride: WGWC-8, WGWC-16, WGWC-20, WGWC-21, WGWC-24, and WGWC-25
- Fluoride: WGWC-9 and WGWC-15
- pH (lower limit): WGWC-24
- Sulfate: WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, and WGWC-24
- TDS: WGWC-8, WGWC-20, and WGWC-21

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. A summary of the Appendix III trend test results follows this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:

- Boron: WGWC-8, WGWC-9, and WGWC-20
- Calcium: WGWA-1 (upgradient) and WGWC-8
- Chloride: WGWA-2 (upgradient) and WGWC-8
- Sulfate: WGWA-4 (upgradient) and WGWC-8
- TDS: WGWA-1 (upgradient) and WGWC-8

Decreasing trends:

- Boron: WGWC-16
- Calcium: WGWA-18 (upgradient)
- Chloride: WGWA-5 (upgradient), WGWC-16, and WGWC-24
- Fluoride: WGWA-18 (upgradient), WGWC-9, and WGWC-15
- pH: WGWA-2 and WGWA-18 (both upgradient)
- Sulfate: WGWA-18 (upgradient) and WGWC-16

Statistical Methods – Appendix IV Parameters

Appendix IV parameters are evaluated by statistically comparing the mean or median of each downgradient well/constituent pair against corresponding Groundwater Protection Standards (GWPS). The GWPS may be either regulatory (Maximum Contaminant Limits or CCR rule-specified limits) or site-specific limits that are based on upgradient background groundwater quality. Site-specific background limits are determined using upper tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals. The methods are described below.

Statistical Evaluation of Appendix IV Parameters – February 2025

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding GWPS. Downgradient and assessment well/constituent pairs containing 100% non-detects do not require analysis. Data from all upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis prior to constructing statistical limits. All previously flagged measurements were confirmed, and an elevated observation early in the record for cobalt at upgradient well WGWA-5 was flagged as it was deemed uncharacteristic of upgradient groundwater quality among neighboring upgradient wells. A complete list of outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through February 2025 for Appendix IV constituents (Figure F). Parametric tolerance limits are calculated, with a target of 95% confidence and 95% coverage, when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were constructed using the highest background measurement. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed using data through February 2025 for each of the Appendix IV constituents in each downgradient well with a minimum of 8 samples and in each assessment well with a minimum of 4 samples (Figure H). These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage

of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics, depending on the sample size, as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Note that due to a statistically significant increasing trend for lithium at downgradient well WGWC-21 with more recent concentrations reported at or above the GWPS, only the most recent 8 observations were used to construct a confidence interval on more relatively stable data (USEPA Unified Guidance, 2009, Chapter 7). Trend tests using both the full and truncated records follow this report (Figure I).

The confidence intervals were compared to the GWPS established using the rules mentioned above. Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries and graphical results of the confidence intervals analyses follow this letter. Exceedances were noted for the following well/constituent pairs:

- Beryllium: WGWC-20 and WGWC-24
- Cobalt: WGWC-24
- Lithium: WGWC-19, WGWC-20, WGWC-21, and WGWC-28D

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 trend:

- Lithium: WGWC-19 and WGWC-21

Decreasing trends:

- Beryllium: WGWC-24
- Cobalt: WGWA-1, WGWA-2, WGWA-5, WGWA-18 (all upgradient), and WGWC-24

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Wansley Ash Pond. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew Collins
Project Manager



Kristina Rayner
Senior Statistician

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Summary Tables

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100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 4/11/2025 2:24 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Antimony (mg/L)
WGWC-10, WGWC-13, WGWC-14A, WGWC-15, WGWC-16, WGWC-17, WGWC-24, WGWC-25

Arsenic (mg/L)
WGWC-19, WGWC-23, WGWC-27, PZ-26D

Beryllium (mg/L)
WGWC-10, WGWC-11, WGWC-12, WGWC-13, WGWC-15, WGWC-17, WGWC-19, PZ-26D

Cadmium (mg/L)
WGWC-9, WGWC-11, WGWC-12, WGWC-13, WGWC-14A, WGWC-15, WGWC-17, WGWC-19, WGWC-21, WGWC-23, WGWC-28D, PZ-26D

Chromium (mg/L)
WGWC-8, WGWC-12, WGWC-16, WGWC-17, WGWC-19, WGWC-20, WGWC-22, WGWC-24, WGWC-25, WGWC-27, PZ-26D

Lead (mg/L)
WGWC-20, WGWC-21, WGWC-27

Mercury (mg/L)
WGWC-27, WGWC-28D, PZ-26D

Molybdenum (mg/L)
WGWC-8, WGWC-16, WGWC-23, WGWC-24, WGWC-25, WGWC-27

Selenium (mg/L)
WGWC-13, WGWC-17, WGWC-21, WGWC-25, WGWC-27, WGWC-28D, PZ-26D

Thallium (mg/L)
WGWC-8, WGWC-9, WGWC-12, WGWC-13, WGWC-15, WGWC-17, WGWC-20, WGWC-21, WGWC-23, WGWC-25, WGWC-27, WGWC-28D, PZ-26D

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Date Ranges

Date: 4/11/2025 2:39 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

Lithium (mg/L)

WGWC-21 overall:3/3/2022-2/13/2025

Appendix III - Interwell Prediction Limits - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:05 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)	WGWC-8	0.1	n/a	2/11/2025	3.6	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-9	0.1	n/a	2/11/2025	0.58	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-16	0.1	n/a	2/12/2025	0.56	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-20	0.1	n/a	2/12/2025	7.4	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-21	0.1	n/a	2/13/2025	0.12	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-22	0.1	n/a	2/12/2025	0.32	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-24	0.1	n/a	2/13/2025	0.94	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-25	0.1	n/a	2/12/2025	0.36	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Calcium (mg/L)	WGWC-8	58	n/a	2/11/2025	99	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-20	58	n/a	2/12/2025	230	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-21	58	n/a	2/13/2025	64	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-8	6.05	n/a	2/11/2025	120	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-16	6.05	n/a	2/12/2025	28	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-20	6.05	n/a	2/12/2025	380	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-21	6.05	n/a	2/13/2025	48	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-24	6.05	n/a	2/13/2025	19	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-25	6.05	n/a	2/12/2025	24	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-9	0.284	n/a	2/11/2025	0.4	Yes	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-15	0.284	n/a	2/13/2025	0.72	Yes	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-24	8.01	4.96	2/13/2025	4.49	Yes	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-8	21	n/a	2/11/2025	280	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-9	21	n/a	2/11/2025	26	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-16	21	n/a	2/12/2025	40	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-20	21	n/a	2/12/2025	470	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-21	21	n/a	2/13/2025	350	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-22	21	n/a	2/12/2025	66	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-24	21	n/a	2/13/2025	79	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-8	190	n/a	2/11/2025	630	Yes	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-20	190	n/a	2/12/2025	1300	Yes	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-21	190	n/a	2/13/2025	610	Yes	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:05 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)	**WGWC-8**	**0.1**	**n/a**	**2/11/2025**	**3.6**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-9**	**0.1**	**n/a**	**2/11/2025**	**0.58**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	WGWC-10	0.1	n/a	2/13/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-11	0.1	n/a	2/11/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-12	0.1	n/a	2/11/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-13	0.1	n/a	2/12/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-14A	0.1	n/a	2/12/2025	0.027J	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-15	0.1	n/a	2/13/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	**WGWC-16**	**0.1**	**n/a**	**2/12/2025**	**0.56**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	WGWC-17	0.1	n/a	2/11/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-19	0.1	n/a	2/13/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	**WGWC-20**	**0.1**	**n/a**	**2/12/2025**	**7.4**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-21**	**0.1**	**n/a**	**2/13/2025**	**0.12**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-22**	**0.1**	**n/a**	**2/12/2025**	**0.32**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	WGWC-23	0.1	n/a	2/13/2025	0.024J	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	**WGWC-24**	**0.1**	**n/a**	**2/13/2025**	**0.94**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-25**	**0.1**	**n/a**	**2/12/2025**	**0.36**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**WGWC-8**	**58**	**n/a**	**2/11/2025**	**99**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	WGWC-9	58	n/a	2/11/2025	9.6	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-10	58	n/a	2/13/2025	8	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-11	58	n/a	2/11/2025	1.7	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-12	58	n/a	2/11/2025	14	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-13	58	n/a	2/12/2025	3.8	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-14A	58	n/a	2/12/2025	0.77	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-15	58	n/a	2/13/2025	30	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-16	58	n/a	2/12/2025	15	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-17	58	n/a	2/11/2025	5.8	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-19	58	n/a	2/13/2025	13	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	**WGWC-20**	**58**	**n/a**	**2/12/2025**	**230**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**WGWC-21**	**58**	**n/a**	**2/13/2025**	**64**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	WGWC-22	58	n/a	2/12/2025	13	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-23	58	n/a	2/13/2025	4.4	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-24	58	n/a	2/13/2025	20	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-25	58	n/a	2/12/2025	31	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-8**	**6.05**	**n/a**	**2/11/2025**	**120**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	WGWC-9	6.05	n/a	2/11/2025	2	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-10	6.05	n/a	2/13/2025	1.5	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-11	6.05	n/a	2/11/2025	0.45J	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-12	6.05	n/a	2/11/2025	3.7	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-13	6.05	n/a	2/12/2025	1.3	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-14A	6.05	n/a	2/12/2025	2.4	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-15	6.05	n/a	2/13/2025	1.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-16**	**6.05**	**n/a**	**2/12/2025**	**28**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	WGWC-17	6.05	n/a	2/11/2025	1.9	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-19	6.05	n/a	2/13/2025	3.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-20**	**6.05**	**n/a**	**2/12/2025**	**380**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**WGWC-21**	**6.05**	**n/a**	**2/13/2025**	**48**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	WGWC-22	6.05	n/a	2/12/2025	4.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-23	6.05	n/a	2/13/2025	3.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-24**	**6.05**	**n/a**	**2/13/2025**	**19**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**WGWC-25**	**6.05**	**n/a**	**2/12/2025**	**24**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	WGWC-8	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**WGWC-9**	**0.284**	**n/a**	**2/11/2025**	**0.4**	**Yes**	**222**	**n/a**	**n/a**	**47.75**	**n/a**	**n/a**	**0.00004908**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	WGWC-10	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-11	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-12	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-13	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-14A	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**WGWC-15**	**0.284**	**n/a**	**2/13/2025**	**0.72**	**Yes**	**222**	**n/a**	**n/a**	**47.75**	**n/a**	**n/a**	**0.00004908**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	WGWC-16	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:05 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	WGWC-17	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-19	0.284	n/a	2/13/2025	0.058J	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-20	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-21	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-22	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-23	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-24	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-25	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-8	8.01	4.96	2/11/2025	5.23	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-9	8.01	4.96	2/11/2025	5.86	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-10	8.01	4.96	2/13/2025	6.27	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-11	8.01	4.96	2/11/2025	5.54	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-12	8.01	4.96	2/11/2025	6.63	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-13	8.01	4.96	2/12/2025	6.32	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-14A	8.01	4.96	2/12/2025	5.44	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-15	8.01	4.96	2/13/2025	7.87	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-16	8.01	4.96	2/12/2025	5.42	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-17	8.01	4.96	2/11/2025	6.26	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-19	8.01	4.96	2/13/2025	6.7	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-20	8.01	4.96	2/12/2025	5.33	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-21	8.01	4.96	2/13/2025	6.63	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-22	8.01	4.96	2/12/2025	5.47	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-23	8.01	4.96	2/13/2025	5.58	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**WGWC-24**	**8.01**	**4.96**	**2/13/2025**	**4.49**	**Yes**	**221**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	WGWC-25	8.01	4.96	2/12/2025	6.19	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-8**	**21**	**n/a**	**2/11/2025**	**280**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**WGWC-9**	**21**	**n/a**	**2/11/2025**	**26**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-10	21	n/a	2/13/2025	1.9	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-11	21	n/a	2/11/2025	0.41J	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-12	21	n/a	2/11/2025	13	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-13	21	n/a	2/12/2025	2.6	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-14A	21	n/a	2/12/2025	0.45J	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-15	21	n/a	2/13/2025	13	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-16**	**21**	**n/a**	**2/12/2025**	**40**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-17	21	n/a	2/11/2025	3.4	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-19	21	n/a	2/13/2025	3.3	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-20**	**21**	**n/a**	**2/12/2025**	**470**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**WGWC-21**	**21**	**n/a**	**2/13/2025**	**350**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**WGWC-22**	**21**	**n/a**	**2/12/2025**	**66**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-23	21	n/a	2/13/2025	7.3	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-24**	**21**	**n/a**	**2/13/2025**	**79**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-25	21	n/a	2/12/2025	17	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	**WGWC-8**	**190**	**n/a**	**2/11/2025**	**630**	**Yes**	**198**	**n/a**	**n/a**	**5.556**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	WGWC-9	190	n/a	2/11/2025	140	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-10	190	n/a	2/13/2025	58	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-11	190	n/a	2/11/2025	35	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-12	190	n/a	2/11/2025	96	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-13	190	n/a	2/12/2025	84	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-14A	190	n/a	2/12/2025	28	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-15	190	n/a	2/13/2025	140	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-16	190	n/a	2/12/2025	120	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-17	190	n/a	2/11/2025	81	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-19	190	n/a	2/13/2025	100	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	**WGWC-20**	**190**	**n/a**	**2/12/2025**	**1300**	**Yes**	**198**	**n/a**	**n/a**	**5.556**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**WGWC-21**	**190**	**n/a**	**2/13/2025**	**610**	**Yes**	**198**	**n/a**	**n/a**	**5.556**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	WGWC-22	190	n/a	2/12/2025	150	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-23	190	n/a	2/13/2025	140	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-24	190	n/a	2/13/2025	160	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-25	190	n/a	2/12/2025	170	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	WGWC-8	0.2014	203	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	WGWC-9	0.03737	139	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	WGWC-16	-0.7068	-197	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	WGWC-20	1.261	42	38	Yes	12	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-1 (bg)	0.04132	158	111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-18 (bg)	-1.273	-143	-111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWC-8	8.14	258	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-2 (bg)	0.05277	128	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-5 (bg)	-0.09982	-140	-98	Yes	23	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-8	14.32	227	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-16	-34.58	-202	-111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-24	-23.69	-60	-38	Yes	12	0	n/a	0.01	NP
Fluoride (mg/L)	WGWA-18 (bg)	-0.01127	-174	-131	Yes	28	17.86	n/a	0.01	NP
Fluoride (mg/L)	WGWC-9	-0.1138	-273	-131	Yes	28	0	n/a	0.01	NP
Fluoride (mg/L)	WGWC-15	-0.02055	-158	-131	Yes	28	0	n/a	0.01	NP
pH, Field (SU)	WGWA-2 (bg)	-0.03387	-149	-131	Yes	28	0	n/a	0.01	NP
pH, Field (SU)	WGWA-18 (bg)	-0.1363	-168	-131	Yes	28	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-4 (bg)	0.2872	143	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-18 (bg)	-0.5169	-119	-111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-8	12.45	212	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-16	-66.74	-189	-111	Yes	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-1 (bg)	2.937	147	111	Yes	25	16	n/a	0.01	NP
TDS (mg/L)	WGWC-8	40.52	246	111	Yes	25	0	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	WGWA-1 (bg)	0	-15	-105	No	24	95.83	n/a	0.01	NP
Boron (mg/L)	WGWA-2 (bg)	0	-40	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	WGWA-3 (bg)	0	0	105	No	24	100	n/a	0.01	NP
Boron (mg/L)	WGWA-4 (bg)	0	0	105	No	24	100	n/a	0.01	NP
Boron (mg/L)	WGWA-5 (bg)	0	-17	-92	No	22	95.45	n/a	0.01	NP
Boron (mg/L)	WGWA-6 (bg)	0	0	105	No	24	100	n/a	0.01	NP
Boron (mg/L)	WGWA-7 (bg)	0	-15	-105	No	24	95.83	n/a	0.01	NP
Boron (mg/L)	WGWA-18 (bg)	0	20	105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	**WGWC-8**	**0.2014**	**203**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**WGWC-9**	**0.03737**	**139**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**WGWC-16**	**-0.7068**	**-197**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**WGWC-20**	**1.261**	**42**	**38**	**Yes**	**12**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	WGWC-21	0	-6	-38	No	12	0	n/a	0.01	NP
Boron (mg/L)	WGWC-22	-0.004949	-13	-38	No	12	0	n/a	0.01	NP
Boron (mg/L)	WGWC-24	-0.3234	-38	-38	No	12	0	n/a	0.01	NP
Boron (mg/L)	WGWC-25	0.003646	0	38	No	12	0	n/a	0.01	NP
Calcium (mg/L)	**WGWA-1 (bg)**	**0.04132**	**158**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	WGWA-2 (bg)	0	-31	-111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-3 (bg)	0	8	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-4 (bg)	0	35	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-5 (bg)	-0.03453	-24	-98	No	23	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-6 (bg)	0.1608	61	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-7 (bg)	0.04064	40	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**WGWA-18 (bg)**	**-1.273**	**-143**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**WGWC-8**	**8.14**	**258**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	WGWC-20	32.6	37	38	No	12	0	n/a	0.01	NP
Calcium (mg/L)	WGWC-21	2.441	22	38	No	12	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-1 (bg)	0.04698	97	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**WGWA-2 (bg)**	**0.05277**	**128**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWA-3 (bg)	0	-2	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-4 (bg)	0	-36	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**WGWA-5 (bg)**	**-0.09982**	**-140**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWA-6 (bg)	0	37	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-7 (bg)	0	-1	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-18 (bg)	-0.04403	-85	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**WGWC-8**	**14.32**	**227**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**WGWC-16**	**-34.58**	**-202**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWC-20	59.6	33	38	No	12	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-21	0	2	38	No	12	0	n/a	0.01	NP
Chloride (mg/L)	**WGWC-24**	**-23.69**	**-60**	**-38**	**Yes**	**12**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWC-25	-8.743	-21	-38	No	12	0	n/a	0.01	NP
Fluoride (mg/L)	WGWA-1 (bg)	0	5	131	No	28	78.57	n/a	0.01	NP
Fluoride (mg/L)	WGWA-2 (bg)	-0.003519	-93	-131	No	28	39.29	n/a	0.01	NP
Fluoride (mg/L)	WGWA-3 (bg)	0	-24	-131	No	28	67.86	n/a	0.01	NP
Fluoride (mg/L)	WGWA-4 (bg)	-0.004866	-127	-131	No	28	3.571	n/a	0.01	NP
Fluoride (mg/L)	WGWA-5 (bg)	0	32	118	No	26	88.46	n/a	0.01	NP
Fluoride (mg/L)	WGWA-6 (bg)	-0.002058	-80	-131	No	28	10.71	n/a	0.01	NP
Fluoride (mg/L)	WGWA-7 (bg)	0	-1	-131	No	28	78.57	n/a	0.01	NP
Fluoride (mg/L)	**WGWA-18 (bg)**	**-0.01127**	**-174**	**-131**	**Yes**	**28**	**17.86**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**WGWC-9**	**-0.1138**	**-273**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**WGWC-15**	**-0.02055**	**-158**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	WGWA-1 (bg)	-0.01038	-62	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**WGWA-2 (bg)**	**-0.03387**	**-149**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	WGWA-3 (bg)	-0.02045	-128	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	WGWA-4 (bg)	0.03418	52	131	No	28	0	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
pH, Field (SU)	WGWA-5 (bg)	-0.01322	-27	-118	No	26	0	n/a	0.01	NP
pH, Field (SU)	WGWA-6 (bg)	0.03358	111	124	No	27	0	n/a	0.01	NP
pH, Field (SU)	WGWA-7 (bg)	-0.01299	-43	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**WGWA-18 (bg)**	**-0.1363**	**-168**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	WGWC-24	0.0504	27	38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-1 (bg)	0	-7	-111	No	25	92	n/a	0.01	NP
Sulfate (mg/L)	WGWA-2 (bg)	-0.03802	-74	-111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-3 (bg)	-0.006092	-26	-111	No	25	8	n/a	0.01	NP
Sulfate (mg/L)	**WGWA-4 (bg)**	**0.2872**	**143**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	WGWA-5 (bg)	0.028	28	98	No	23	21.74	n/a	0.01	NP
Sulfate (mg/L)	WGWA-6 (bg)	-0.1016	-81	-111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-7 (bg)	0	-48	-111	No	25	68	n/a	0.01	NP
Sulfate (mg/L)	**WGWA-18 (bg)**	**-0.5169**	**-119**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**WGWC-8**	**12.45**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	WGWC-9	1.781	95	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**WGWC-16**	**-66.74**	**-189**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	WGWC-20	36.35	28	38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-21	41.32	37	38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-22	-12.21	-20	-38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-24	-28.75	-37	-38	No	12	0	n/a	0.01	NP
TDS (mg/L)	**WGWA-1 (bg)**	**2.937**	**147**	**111**	**Yes**	**25**	**16**	**n/a**	**0.01**	**NP**
TDS (mg/L)	WGWA-2 (bg)	3.321	83	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-3 (bg)	1.576	99	111	No	25	4	n/a	0.01	NP
TDS (mg/L)	WGWA-4 (bg)	1.154	73	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-5 (bg)	2.455	47	98	No	23	13.04	n/a	0.01	NP
TDS (mg/L)	WGWA-6 (bg)	1.835	79	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-7 (bg)	2.579	86	111	No	25	12	n/a	0.01	NP
TDS (mg/L)	WGWA-18 (bg)	-4.064	-91	-111	No	25	0	n/a	0.01	NP
TDS (mg/L)	**WGWC-8**	**40.52**	**246**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	WGWC-20	164.4	37	38	No	12	0	n/a	0.01	NP
TDS (mg/L)	WGWC-21	35.29	27	38	No	12	0	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:22 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0022	166	n/a	n/a	98.19	n/a	n/a	0.0002005	NP Inter(NDs)
Arsenic (mg/L)	0.0014	214	n/a	n/a	83.18	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.062	214	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0025	214	n/a	n/a	94.86	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	0.0025	198	n/a	n/a	100	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.0063	213	n/a	n/a	94.37	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	0.0066	212	n/a	n/a	46.7	n/a	n/a	NaN	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	13.1	212	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Fluoride (mg/L)	0.284	222	n/a	n/a	47.75	n/a	n/a	NaN	NP Inter(normality)
Lead (mg/L)	0.0015	198	n/a	n/a	89.9	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.013	204	n/a	n/a	51.96	n/a	n/a	NaN	NP Inter(NDs)
Mercury (mg/L)	0.0002	182	n/a	n/a	91.76	n/a	n/a	NaN	NP Inter(NDs)
Molybdenum (mg/L)	0.015	213	n/a	n/a	92.02	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	0.005	214	n/a	n/a	95.79	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.001	214	n/a	n/a	93.93	n/a	n/a	NaN	NP Inter(NDs)

WANSLEY AP GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0022	0.006
Arsenic, Total (mg/L)	0.01		0.0014	0.01
Barium, Total (mg/L)	2		0.062	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0063	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0066	0.0066
Combined Radium, Total (pCi/L)	5		13.1	13.1
Fluoride, Total (mg/L)	4		0.28	4
Lead, Total (mg/L)	n/a	0.015	0.0015	0.015
Lithium, Total (mg/L)	n/a	0.04	0.013	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

GWPS = Groundwater Protection Standard

MCL = Maximum Contaminant Level

CCR = Coal Combustion Residual

Highlighted cells indicate background is higher than established limit.

Appendix IV Confidence Intervals - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	**WGWC-20**	**0.0115**	**0.008902**	**0.004**	**Yes**	**10**	**0.0102**	**0.001454**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	**WGWC-24**	**0.01133**	**0.004591**	**0.004**	**Yes**	**10**	**0.00796**	**0.003776**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**WGWC-24**	**0.09563**	**0.03017**	**0.0066**	**Yes**	**10**	**0.0629**	**0.03669**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-19**	**0.05699**	**0.05012**	**0.04**	**Yes**	**27**	**0.05356**	**0.007202**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-20**	**0.1452**	**0.1165**	**0.04**	**Yes**	**12**	**0.1308**	**0.01832**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-21**	**0.06974**	**0.04901**	**0.04**	**Yes**	**8**	**0.05938**	**0.009782**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-28D**	**0.2198**	**0.1762**	**0.04**	**Yes**	**5**	**0.198**	**0.01304**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	WGWC-8	0.0074	0.00064	0.006	No	21	0.002902	0.002547	80.95	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-9	0.0043	0.0011	0.006	No	21	0.0026	0.002174	57.14	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-11	0.002	0.00053	0.006	No	21	0.00193	0.0003208	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-12	0.0023	0.002	0.006	No	21	0.002014	0.00006547	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-19	0.002	0.00058	0.006	No	21	0.001932	0.0003099	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-20	0.002	0.00066	0.006	No	10	0.001489	0.0006786	60	None	No	0.011	NP (NDs)
Antimony (mg/L)	WGWC-21	0.002	0.00055	0.006	No	10	0.001584	0.0006725	70	None	No	0.011	NP (NDs)
Antimony (mg/L)	WGWC-22	0.002	0.00076	0.006	No	10	0.00141	0.000642	50	None	No	0.011	NP (normality)
Antimony (mg/L)	WGWC-23	0.002	0.0013	0.006	No	10	0.00185	0.0003308	60	None	No	0.011	NP (NDs)
Antimony (mg/L)	WGWC-27	0.002	0.00047	0.006	No	6	0.001422	0.0007291	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	WGWC-28D	0.002	0.00057	0.006	No	4	0.001643	0.000715	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	PZ-26D	0.002	0.00038	0.006	No	4	0.001595	0.00081	75	None	No	0.0625	NP (NDs)
Arsenic (mg/L)	WGWC-8	0.001054	0.0006887	0.01	No	27	0.001037	0.0003114	40.74	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	WGWC-9	0.001	0.00078	0.01	No	27	0.0009981	0.0001775	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-10	0.001	0.00089	0.01	No	27	0.0009048	0.0002236	81.48	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-11	0.001	0.00054	0.01	No	27	0.0009452	0.0001583	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-12	0.001	0.001	0.01	No	27	0.0009396	0.0001753	85.19	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-13	0.001	0.00048	0.01	No	27	0.0008141	0.0003059	55.56	None	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-14A	0.0014	0.001	0.01	No	27	0.00118	0.0005115	74.07	None	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-15	0.001695	0.0009401	0.01	No	27	0.001513	0.0007641	18.52	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	WGWC-16	0.0013	0.001	0.01	No	27	0.001117	0.0002917	62.96	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-17	0.001	0.00076	0.01	No	27	0.0008815	0.0001921	62.96	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-20	0.000959	0.0003444	0.01	No	10	0.000814	0.0003158	40	Kaplan-Meier	x^2	0.01	Param.
Arsenic (mg/L)	WGWC-21	0.001	0.00036	0.01	No	10	0.000757	0.0002929	50	None	No	0.011	NP (normality)
Arsenic (mg/L)	WGWC-22	0.001	0.00046	0.01	No	10	0.000885	0.0002735	70	None	No	0.011	NP (NDs)
Arsenic (mg/L)	WGWC-24	0.001912	0.0003128	0.01	No	10	0.001392	0.0009789	40	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	WGWC-25	0.001	0.001	0.01	No	10	0.000996	0.00001265	90	Kaplan-Meier	No	0.011	NP (NDs)
Arsenic (mg/L)	WGWC-28D	0.003154	0.0003459	0.01	No	4	0.00175	0.0007141	25	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	WGWC-8	0.01	0.0013	2	No	27	0.004463	0.004045	33.33	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-9	0.01	0.0014	2	No	27	0.00552	0.004422	48.15	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-10	0.03937	0.03422	2	No	27	0.03711	0.00608	0	None	ln(x)	0.01	Param.
Barium (mg/L)	WGWC-11	0.04228	0.03461	2	No	27	0.03844	0.008035	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-12	0.018	0.015	2	No	27	0.01683	0.003667	0	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-13	0.05273	0.04416	2	No	27	0.04844	0.008984	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-14A	0.042	0.027	2	No	27	0.03593	0.01307	0	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-15	0.02666	0.02205	2	No	27	0.02436	0.00484	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-16	0.05269	0.03933	2	No	27	0.0468	0.01444	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	WGWC-17	0.017	0.011	2	No	27	0.014	0.003835	0	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-19	0.0077	0.0012	2	No	27	0.004323	0.004059	29.63	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-20	0.01	0.01	2	No	10	0.009091	0.002875	90	None	No	0.011	NP (NDs)
Barium (mg/L)	WGWC-21	0.007505	0.004375	2	No	10	0.00594	0.001754	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-22	0.03674	0.02226	2	No	10	0.0295	0.008114	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-23	0.01139	0.006246	2	No	10	0.00882	0.002885	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-24	0.04826	0.03254	2	No	10	0.0404	0.008809	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-25	0.3747	0.2053	2	No	10	0.29	0.09499	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-27	0.004947	0.00332	2	No	6	0.004133	0.0005922	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-28D	0.02102	0.006481	2	No	4	0.01375	0.003202	0	None	No	0.01	Param.
Barium (mg/L)	PZ-26D	0.02903	0.01397	2	No	4	0.0215	0.003317	0	None	No	0.01	Param.
Beryllium (mg/L)	WGWC-8	0.002243	0.001753	0.004	No	27	0.001998	0.0005139	0	None	No	0.01	Param.
Beryllium (mg/L)	WGWC-9	0.0025	0.00036	0.004	No	27	0.001089	0.001018	33.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	WGWC-14A	0.0025	0.00026	0.004	No	27	0.001585	0.001125	59.26	None	No	0.01	NP (NDs)
Beryllium (mg/L)	WGWC-16	0.0025	0.00022	0.004	No	27	0.002416	0.0004388	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	**WGWC-20**	**0.0115**	**0.008902**	**0.004**	**Yes**	**10**	**0.0102**	**0.001454**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	WGWC-21	0.0025	0.00021	0.004	No	10	0.001372	0.001189	50	None	No	0.011	NP (normality)
Beryllium (mg/L)	WGWC-22	0.0006524	0.0005276	0.004	No	10	0.00059	0.00006992	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	WGWC-23	0.001363	0.0009449	0.004	No	10	0.001154	0.0002343	0	None	No	0.01	Param.
Beryllium (mg/L)	**WGWC-24**	**0.01133**	**0.004591**	**0.004**	**Yes**	**10**	**0.00796**	**0.003776**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	WGWC-25	0.0025	0.00022	0.004	No	10	0.001376	0.001185	50	None	No	0.011	NP (normality)
Beryllium (mg/L)	WGWC-27	0.001304	0	0.004	No	6	0.0008533	0.0003859	0	None	x^3	0.01	Param.
Beryllium (mg/L)	WGWC-28D	0.002904	0.0002615	0.004	No	4	0.001583	0.0005819	0	None	No	0.01	Param.
Cadmium (mg/L)	WGWC-8	0.0025	0.00065	0.005	No	25	0.002151	0.0008204	84	None	No	0.01	NP (NDs)
Cadmium (mg/L)	WGWC-10	0.0025	0.00021	0.005	No	25	0.002408	0.000458	96	None	No	0.01	NP (NDs)
Cadmium (mg/L)	WGWC-16	0.0025	0.00054	0.005	No	25	0.001369	0.001035	44	None	No	0.01	NP (normality)
Cadmium (mg/L)	WGWC-20	0.0025	0.00022	0.005	No	10	0.001211	0.001115	40	None	No	0.011	NP (normality)
Cadmium (mg/L)	WGWC-22	0.0025	0.00011	0.005	No	10	0.001336	0.001228	50	None	No	0.011	NP (normality)
Cadmium (mg/L)	WGWC-24	0.000457	0.00013	0.005	No	10	0.0002935	0.0001833	0	None	No	0.01	Param.
Cadmium (mg/L)	WGWC-25	0.0025	0.00012	0.005	No	10	0.002022	0.001008	80	None	No	0.011	NP (NDs)
Cadmium (mg/L)	WGWC-27	0.0025	0.00008	0.005	No	6	0.002097	0.000988	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	WGWC-9	0.0025	0.002	0.1	No	27	0.002019	0.00009623	92.59	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-10	0.002461	0.001709	0.1	No	27	0.002085	0.0007887	11.11	None	No	0.01	Param.
Chromium (mg/L)	WGWC-11	0.002	0.0017	0.1	No	27	0.00193	0.0002334	85.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-13	0.002	0.0019	0.1	No	27	0.001967	0.00008771	85.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-14A	0.002	0.0017	0.1	No	27	0.001989	0.00005774	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-15	0.002	0.0015	0.1	No	27	0.001981	0.00009623	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-21	0.002	0.002	0.1	No	10	0.00195	0.0001581	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	WGWC-23	0.002	0.002	0.1	No	10	0.00197	0.00009487	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	WGWC-28D	0.002	0.002	0.1	No	4	0.002	4.7e-11	75	None	No	0.0625	NP (NDs)
Cobalt (mg/L)	WGWC-8	0.0025	0.00075	0.0066	No	27	0.00185	0.0009896	51.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-9	0.0025	0.00073	0.0066	No	27	0.002434	0.0003406	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-10	0.001233	0.0006678	0.0066	No	27	0.001366	0.0008699	18.52	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	WGWC-11	0.0025	0.00069	0.0066	No	27	0.001716	0.0009357	48.15	None	No	0.01	NP (normality)
Cobalt (mg/L)	WGWC-12	0.0008484	0.0004125	0.0066	No	27	0.000833	0.0009677	3.704	None	ln(x)	0.01	Param.
Cobalt (mg/L)	WGWC-13	0.0025	0.0008	0.0066	No	27	0.001953	0.0009489	74.07	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-14A	0.007723	0.003779	0.0066	No	27	0.006315	0.004524	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	WGWC-15	0.0025	0.00015	0.0066	No	27	0.002413	0.0004523	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-16	0.003731	0.0005539	0.0066	No	27	0.005642	0.005703	33.33	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	WGWC-17	0.00245	0.00052	0.0066	No	27	0.001448	0.000892	25.93	None	No	0.01	NP (normality)
Cobalt (mg/L)	WGWC-19	0.0025	0.00025	0.0066	No	27	0.001292	0.001106	44.44	None	No	0.01	NP (normality)
Cobalt (mg/L)	WGWC-20	0.0025	0.00046	0.0066	No	10	0.002083	0.0008794	80	None	No	0.011	NP (NDs)
Cobalt (mg/L)	WGWC-21	0.0025	0.00039	0.0066	No	10	0.001505	0.001065	50	None	No	0.011	NP (normality)
Cobalt (mg/L)	WGWC-22	0.0025	0.00034	0.0066	No	10	0.001847	0.001052	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	WGWC-23	0.0025	0.00017	0.0066	No	10	0.001805	0.001119	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	**WGWC-24**	**0.09563**	**0.03017**	**0.0066**	**Yes**	**10**	**0.0629**	**0.03669**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	WGWC-25	0.007566	0.004094	0.0066	No	10	0.00583	0.001946	0	None	No	0.01	Param.
Cobalt (mg/L)	WGWC-27	0.002496	0.001338	0.0066	No	6	0.001917	0.0004215	0	None	No	0.01	Param.
Cobalt (mg/L)	WGWC-28D	0.00101	0.00005662	0.0066	No	4	0.001025	0.001006	25	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	PZ-26D	0.02319	0	0.0066	No	4	0.008275	0.006571	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-8	2.304	1.591	13.1	No	27	1.948	0.7477	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-9	0.48	0.14	13.1	No	27	0.382	0.4712	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	WGWC-10	0.4886	0.199	13.1	No	27	0.3438	0.3036	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-11	0.6265	0.2502	13.1	No	27	0.4383	0.3944	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-12	0.6187	0.2758	13.1	No	27	0.4473	0.3594	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-13	0.7315	0.4542	13.1	No	27	0.5928	0.2907	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-14A	0.8055	0.5495	13.1	No	27	0.6972	0.2912	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-15	0.6966	0.3462	13.1	No	27	0.5214	0.3673	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-16	1.459	0.7523	13.1	No	27	1.199	0.8319	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-17	0.5278	0.2087	13.1	No	27	0.3683	0.3345	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-19	0.523	0.19	13.1	No	27	0.4158	0.3705	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	WGWC-20	1.256	0.7544	13.1	No	10	1.005	0.2812	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-21	2.015	0.7512	13.1	No	10	1.383	0.7085	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	WGWC-22	6.303	3.715	13.1	No	10	5.009	1.451	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-23	1.524	0.4583	13.1	No	10	0.9911	0.5972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-24	1.369	0.742	13.1	No	10	1.056	0.3515	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-25	1.138	0.585	13.1	No	10	0.8613	0.3097	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-27	6.766	0.7426	13.1	No	6	3.754	2.192	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-28D	19.89	2.236	13.1	No	4	11.07	3.889	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-26D	1.789	0.3198	13.1	No	4	1.055	0.3236	0	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-8	0.2979	0.1796	4	No	28	0.2388	0.1266	10.71	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-9	1.375	1.044	4	No	28	1.21	0.3539	0	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-10	0.159	0.1185	4	No	28	0.1388	0.04328	7.143	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-11	0.2	0.047	4	No	28	0.1379	0.07743	57.14	None	No	0.01	NP (NDs)
Fluoride (mg/L)	WGWC-12	0.09367	0.07072	4	No	28	0.1078	0.04906	17.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	WGWC-13	0.2628	0.1918	4	No	28	0.2273	0.07597	7.143	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-14A	0.2	0.057	4	No	28	0.1497	0.07476	67.86	None	No	0.01	NP (NDs)
Fluoride (mg/L)	WGWC-15	0.845	0.7578	4	No	28	0.8014	0.09329	0	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-16	0.1286	0.07105	4	No	28	0.1559	0.1604	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	WGWC-17	0.1215	0.08168	4	No	28	0.1016	0.04264	10.71	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-19	0.37	0.3165	4	No	28	0.3371	0.07151	0	None	x^2	0.01	Param.
Fluoride (mg/L)	WGWC-20	2.047	1.114	4	No	12	1.667	0.7152	16.67	Kaplan-Meier	x^3	0.01	Param.
Fluoride (mg/L)	WGWC-21	1.898	1.161	4	No	12	1.583	0.6631	16.67	Kaplan-Meier	x^3	0.01	Param.
Fluoride (mg/L)	WGWC-22	0.6207	0.2384	4	No	12	0.485	0.3755	16.67	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	WGWC-23	0.2	0.043	4	No	12	0.08042	0.05963	16.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	WGWC-24	0.8251	0.2105	4	No	12	0.5908	0.4015	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	WGWC-25	0.2	0.028	4	No	12	0.1325	0.08364	58.33	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	WGWC-27	1.241	0.2922	4	No	6	0.7667	0.3783	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	WGWC-28D	2.1	0.2	4	No	5	0.86	0.9209	60	Kaplan-Meier	No	0.031	NP (NDs)
Fluoride (mg/L)	PZ-26D	0.2895	0.06718	4	No	6	0.215	0.06504	16.67	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	WGWC-8	0.001	0.00029	0.015	No	25	0.0007272	0.0003799	64	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-9	0.001	0.00014	0.015	No	25	0.0009656	0.000172	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-10	0.001	0.00026	0.015	No	25	0.0006864	0.0003751	56	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-11	0.001	0.00058	0.015	No	25	0.0009024	0.0002338	84	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-12	0.001	0.00033	0.015	No	25	0.0009732	0.000134	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-13	0.001	0.00038	0.015	No	25	0.0006552	0.0003242	36	None	No	0.01	NP (normality)
Lead (mg/L)	WGWC-14A	0.001	0.00031	0.015	No	25	0.0007152	0.0003651	60	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-15	0.001	0.0003	0.015	No	25	0.000972	0.00014	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-16	0.001	0.00014	0.015	No	25	0.0009308	0.0002395	92	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-17	0.001	0.00033	0.015	No	25	0.0009412	0.0002044	92	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-19	0.001	0.0003	0.015	No	25	0.000972	0.00014	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-22	0.001	0.00023	0.015	No	10	0.000641	0.0003818	50	None	No	0.011	NP (normality)
Lead (mg/L)	WGWC-23	0.002	0.001	0.015	No	10	0.00146	0.001147	80	None	No	0.011	NP (NDs)
Lead (mg/L)	WGWC-24	0.0008185	0.0002895	0.015	No	10	0.000554	0.0002965	0	None	No	0.01	Param.
Lead (mg/L)	WGWC-25	0.001	0.001	0.015	No	10	0.000965	0.0001107	90	None	No	0.011	NP (NDs)
Lead (mg/L)	WGWC-28D	0.001	0.00022	0.015	No	4	0.000805	0.00039	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	PZ-26D	0.001	0.001	0.015	No	4	0.001	2.4e-11	75	None	No	0.0625	NP (NDs)
Lithium (mg/L)	WGWC-8	0.015	0.013	0.04	No	27	0.01578	0.008964	0	None	No	0.01	NP (normality)
Lithium (mg/L)	WGWC-9	0.03624	0.0315	0.04	No	27	0.03387	0.004972	0	None	No	0.01	Param.
Lithium (mg/L)	WGWC-10	0.01164	0.005906	0.04	No	27	0.009548	0.006978	3.704	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	WGWC-11	0.005	0.0025	0.04	No	27	0.00436	0.00139	81.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-12	0.0077	0.0061	0.04	No	27	0.007181	0.004004	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	WGWC-13	0.005	0.0037	0.04	No	27	0.004289	0.001186	70.37	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-14A	0.005	0.0033	0.04	No	27	0.004152	0.001319	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-15	0.007123	0.00541	0.04	No	27	0.006267	0.001796	7.407	None	No	0.01	Param.
Lithium (mg/L)	WGWC-16	0.008831	0.005273	0.04	No	27	0.007052	0.00373	11.11	None	No	0.01	Param.
Lithium (mg/L)	WGWC-17	0.0056	0.0042	0.04	No	27	0.005478	0.004068	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	**WGWC-19**	**0.05699**	**0.05012**	**0.04**	**Yes**	**27**	**0.05356**	**0.007202**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	**WGWC-20**	**0.1452**	**0.1165**	**0.04**	**Yes**	**12**	**0.1308**	**0.01832**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-21**	**0.06974**	**0.04901**	**0.04**	**Yes**	**8**	**0.05938**	**0.009782**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	WGWC-22	0.01056	0.007365	0.04	No	12	0.0088	0.002428	0	None	x^2	0.01	Param.
Lithium (mg/L)	WGWC-23	0.005	0.0017	0.04	No	12	0.004067	0.001436	58.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-24	0.007651	0.004165	0.04	No	12	0.005908	0.002222	0	None	No	0.01	Param.
Lithium (mg/L)	WGWC-25	0.004714	0.003445	0.04	No	12	0.004325	0.0008582	16.67	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	WGWC-27	0.04184	0.01156	0.04	No	6	0.0267	0.01102	0	None	No	0.01	Param.
Lithium (mg/L)	**WGWC-28D**	**0.2198**	**0.1762**	**0.04**	**Yes**	**5**	**0.198**	**0.01304**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	PZ-26D	0.03691	0.02059	0.04	No	4	0.02875	0.003594	0	None	No	0.01	Param.
Mercury (mg/L)	WGWC-8	0.0002	0.00013	0.002	No	23	0.0001877	0.00003332	86.96	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-9	0.0002	0.00013	0.002	No	23	0.000197	0.0000146	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-10	0.0002	0.00013	0.002	No	23	0.0001817	0.0000416	82.61	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-11	0.0002	0.00011	0.002	No	23	0.000191	0.00003026	91.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-12	0.0002	0.00018	0.002	No	23	0.000186	0.00003488	82.61	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-13	0.0002	0.000083	0.002	No	23	0.0001897	0.000034	91.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-14A	0.0002	0.00013	0.002	No	23	0.000197	0.0000146	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-15	0.0002	0.000093	0.002	No	23	0.0001798	0.00004518	82.61	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-16	0.0002	0.00019	0.002	No	23	0.0001904	0.00003111	86.96	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-17	0.0002	0.000074	0.002	No	23	0.0001945	0.00002627	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-19	0.0002	0.00012	0.002	No	23	0.0001911	0.00003013	91.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-20	0.0002	0.0002	0.002	No	10	0.000213	0.00004111	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-21	0.0002	0.0002	0.002	No	10	0.0002	1.6e-12	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-22	0.0002	0.0002	0.002	No	10	0.000198	0.000006325	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-23	0.0002	0.0002	0.002	No	10	0.000202	0.000006325	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-24	0.0002	0.0002	0.002	No	10	0.000206	0.00001897	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-25	0.0002	0.0002	0.002	No	10	0.00037	0.0005376	90	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	WGWC-9	0.0048	0.0028	0.1	No	27	0.004656	0.003105	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-10	0.015	0.00093	0.1	No	27	0.01396	0.003758	92.59	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-11	0.015	0.0017	0.1	No	27	0.01399	0.003631	92.59	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-12	0.015	0.0046	0.1	No	27	0.01198	0.005801	77.78	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-13	0.0025	0.0012	0.1	No	27	0.002461	0.002004	11.11	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-14A	0.015	0.001	0.1	No	27	0.01448	0.002694	96.3	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-15	0.004959	0.002949	0.1	No	27	0.004511	0.003167	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	WGWC-17	0.00526	0.0023	0.1	No	27	0.003682	0.002323	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-19	0.0016	0.0012	0.1	No	27	0.004841	0.006126	25.93	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-20	0.015	0.00079	0.1	No	10	0.01073	0.006879	70	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	WGWC-21	0.03917	0.02703	0.1	No	10	0.0331	0.006806	0	None	No	0.01	Param.
Molybdenum (mg/L)	WGWC-22	0.015	0.0082	0.1	No	10	0.0129	0.004747	80	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	WGWC-28D	0.018	0.0088	0.1	No	4	0.01128	0.004491	0	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	PZ-26D	0.003015	0.002185	0.1	No	4	0.0026	0.0001826	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-8	0.0039	0.0033	0.05	No	27	0.003981	0.001311	0	None	No	0.01	NP (normality)
Selenium (mg/L)	WGWC-9	0.002881	0.002333	0.05	No	27	0.002607	0.0005742	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-10	0.005	0.00031	0.05	No	27	0.004826	0.0009026	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-11	0.005	0.00049	0.05	No	27	0.004833	0.0008679	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-12	0.005	0.0021	0.05	No	27	0.004893	0.0005581	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-14A	0.005	0.0003	0.05	No	27	0.004826	0.0009045	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-15	0.005	0.0005	0.05	No	27	0.004833	0.000866	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-16	0.007191	0.003354	0.05	No	27	0.006561	0.0048	11.11	None	ln(x)	0.01	Param.
Selenium (mg/L)	WGWC-19	0.005	0.00036	0.05	No	27	0.004828	0.000893	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-20	0.003206	0.001454	0.05	No	10	0.00233	0.0009821	10	None	No	0.01	Param.
Selenium (mg/L)	WGWC-22	0.006382	0.003418	0.05	No	10	0.0049	0.001661	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-23	0.00283	0.00183	0.05	No	10	0.00233	0.0005599	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-24	0.005	0.005	0.05	No	10	0.004577	0.001338	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	WGWC-10	0.001	0.000085	0.002	No	27	0.0009661	0.0001761	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-11	0.001	0.00016	0.002	No	27	0.0009689	0.0001617	96.3	None	No	0.01	NP (NDs)

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Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	WGWC-14A	0.001	0.00017	0.002	No	27	0.0006581	0.0004209	59.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-16	0.001	0.00019	0.002	No	27	0.0006319	0.0004206	55.56	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-19	0.001	0.00018	0.002	No	27	0.0009696	0.0001578	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-22	0.001	0.001	0.002	No	10	0.000947	0.0001676	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	WGWC-24	0.000601	0.000325	0.002	No	10	0.000463	0.0001547	10	None	No	0.01	Param.

Lithium WGWC-21 Trend Test - All/Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/16/2025, 4:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Lithium (mg/L)	**WGWC-21**	**0.01361**	**58**	**30**	**Yes**	**12**	**0**	**n/a**	**0.05**	**NP**

Lithium WGWC-21 Trend Test - Truncated Record - All/Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/17/2025, 2:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Lithium (mg/L)	**WGWC-21**	**0.008118**	**20**	**17**	**Yes**	**8**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Beryllium (mg/L)	**WGWC-24**	**-0.002748**	**-26**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-1 (bg)**	**-0.00006557**	**-220**	**-96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-2 (bg)**	**-0.00008878**	**-257**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-5 (bg)**	**-0.0002865**	**-116**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-18 (bg)**	**-0.0002783**	**-186**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWC-24**	**-0.02622**	**-27**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**WGWC-19**	**0.001603**	**144**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**WGWC-21**	**0.01361**	**58**	**30**	**Yes**	**12**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

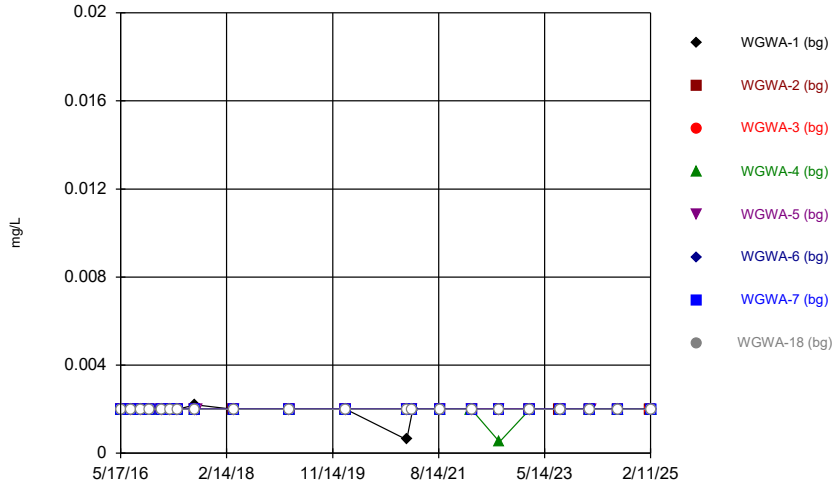
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Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Beryllium (mg/L)	WGWA-1 (bg)	0	-15	-96	No	27	88.89	n/a	0.05	NP
Beryllium (mg/L)	WGWA-2 (bg)	0	-13	-96	No	27	88.89	n/a	0.05	NP
Beryllium (mg/L)	WGWA-3 (bg)	0	-15	-96	No	27	92.59	n/a	0.05	NP
Beryllium (mg/L)	WGWA-4 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Beryllium (mg/L)	WGWA-5 (bg)	0	-2	-85	No	25	96	n/a	0.05	NP
Beryllium (mg/L)	WGWA-6 (bg)	0	0	96	No	27	96.3	n/a	0.05	NP
Beryllium (mg/L)	WGWA-7 (bg)	0	-2	-96	No	27	96.3	n/a	0.05	NP
Beryllium (mg/L)	WGWA-18 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Beryllium (mg/L)	WGWC-20	0.0007813	12	23	No	10	0	n/a	0.05	NP
Beryllium (mg/L)	**WGWC-24**	**-0.002748**	**-26**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-1 (bg)**	**-0.00006557**	**-220**	**-96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-2 (bg)**	**-0.00008878**	**-257**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	WGWA-3 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Cobalt (mg/L)	WGWA-4 (bg)	0	4	96	No	27	96.3	n/a	0.05	NP
Cobalt (mg/L)	**WGWA-5 (bg)**	**-0.0002865**	**-116**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	WGWA-6 (bg)	0	12	96	No	27	85.19	n/a	0.05	NP
Cobalt (mg/L)	WGWA-7 (bg)	0	-28	-96	No	27	62.96	n/a	0.05	NP
Cobalt (mg/L)	**WGWA-18 (bg)**	**-0.0002783**	**-186**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWC-24**	**-0.02622**	**-27**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	WGWA-1 (bg)	-0.0000132	-42	-90	No	26	34.62	n/a	0.05	NP
Lithium (mg/L)	WGWA-2 (bg)	0	-5	-90	No	26	0	n/a	0.05	NP
Lithium (mg/L)	WGWA-3 (bg)	0	25	90	No	26	88.46	n/a	0.05	NP
Lithium (mg/L)	WGWA-4 (bg)	-0.00001556	-12	-90	No	26	11.54	n/a	0.05	NP
Lithium (mg/L)	WGWA-5 (bg)	0	0	76	No	23	95.65	n/a	0.05	NP
Lithium (mg/L)	WGWA-6 (bg)	0	2	85	No	25	12	n/a	0.05	NP
Lithium (mg/L)	WGWA-7 (bg)	0	11	90	No	26	96.15	n/a	0.05	NP
Lithium (mg/L)	WGWA-18 (bg)	0	-18	-90	No	26	80.77	n/a	0.05	NP
Lithium (mg/L)	**WGWC-19**	**0.001603**	**144**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	WGWC-20	0.008513	30	30	No	12	0	n/a	0.05	NP
Lithium (mg/L)	**WGWC-21**	**0.01361**	**58**	**30**	**Yes**	**12**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	WGWC-28D	-0.00681	-1	-10	No	5	0	n/a	0.05	NP

FIGURE A.

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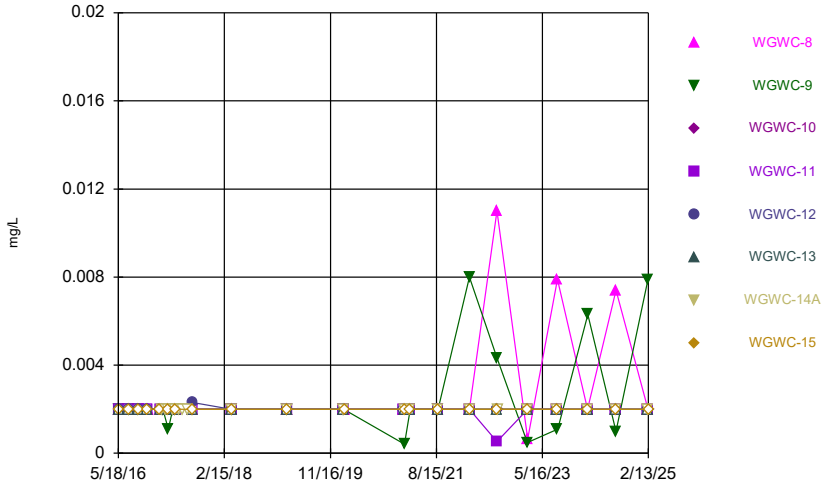
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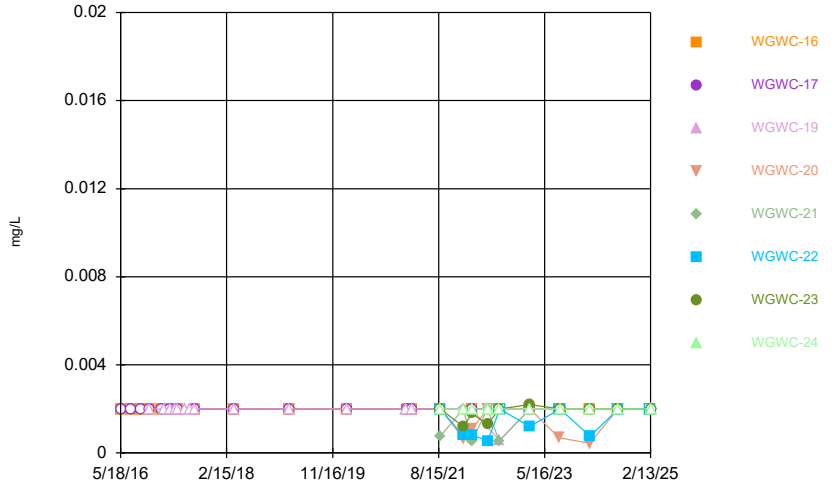
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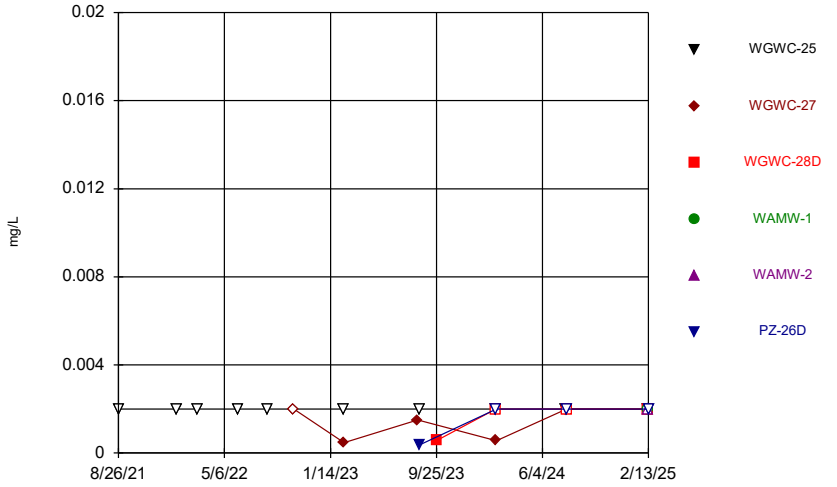
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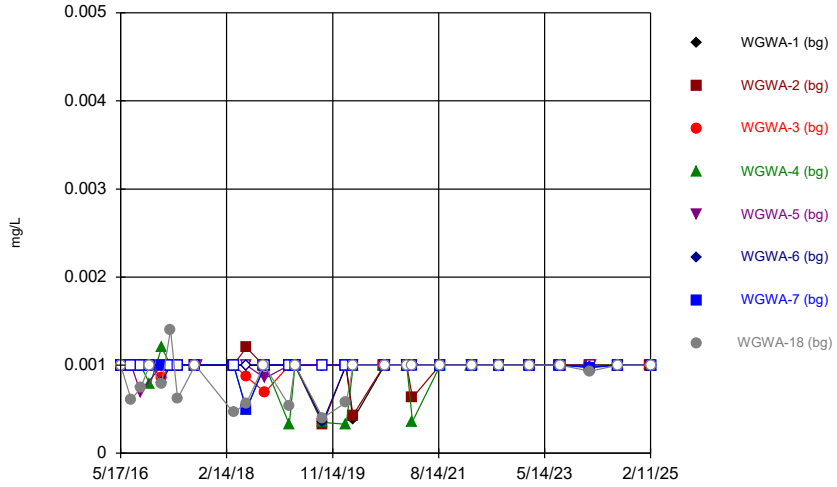
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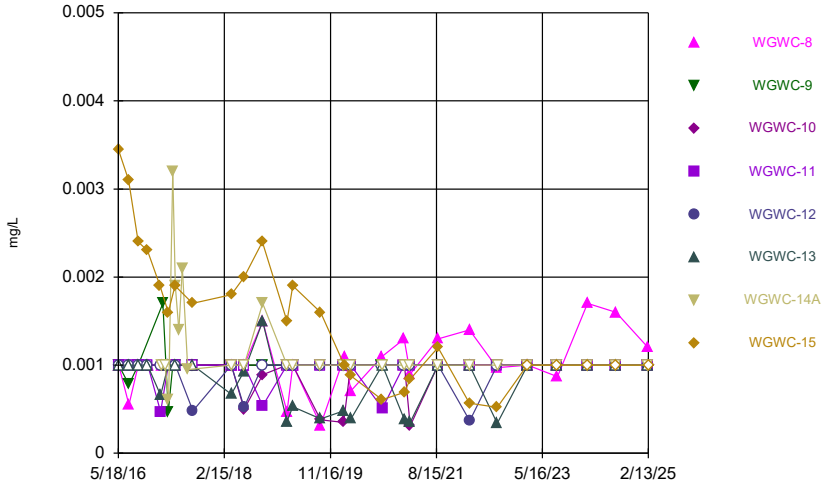
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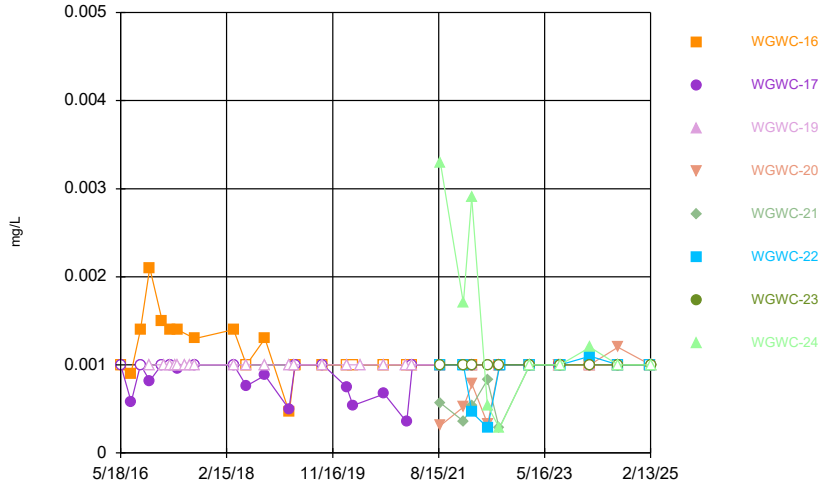
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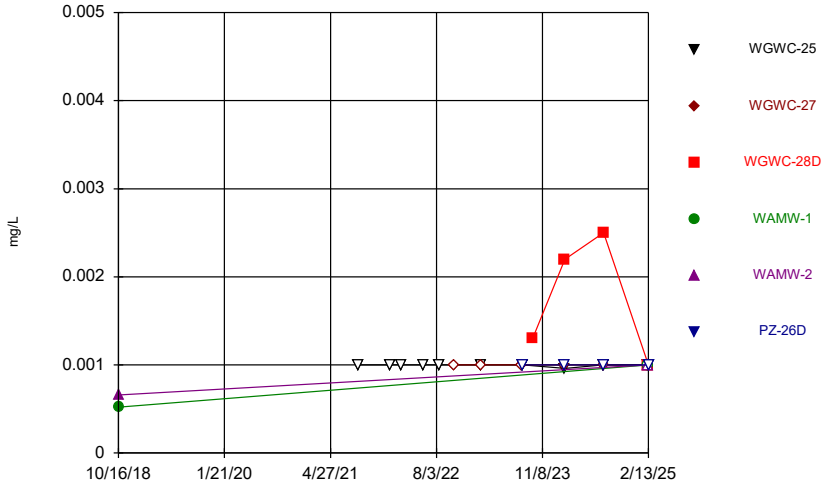
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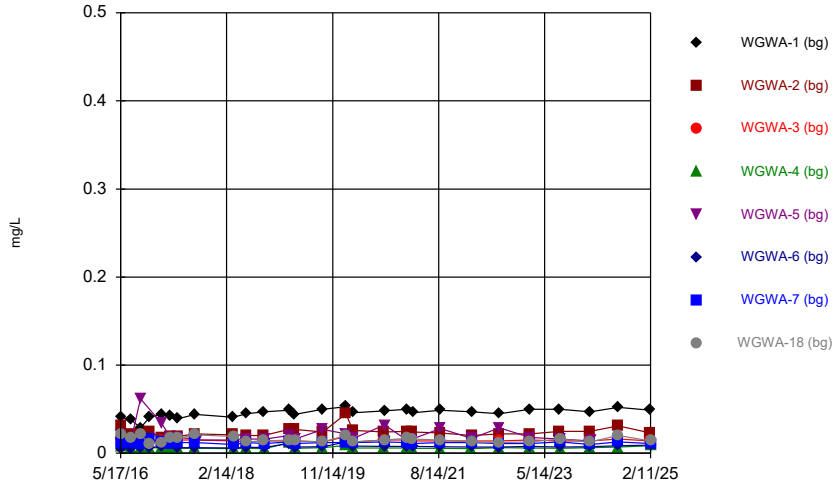
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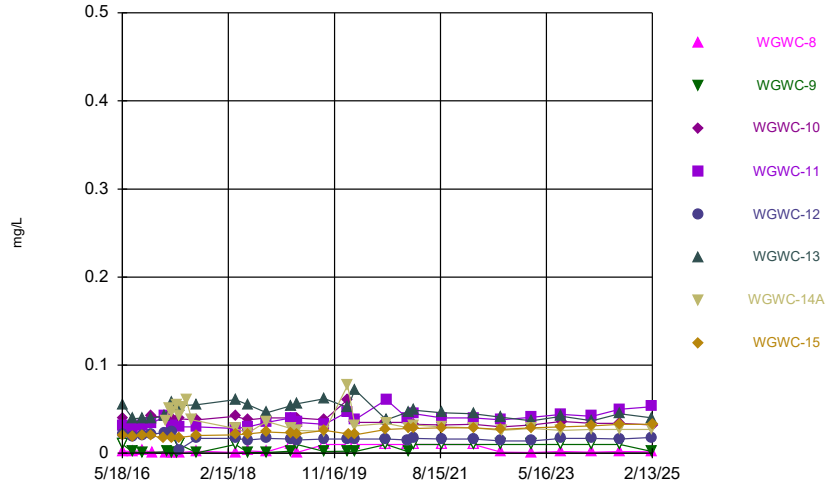
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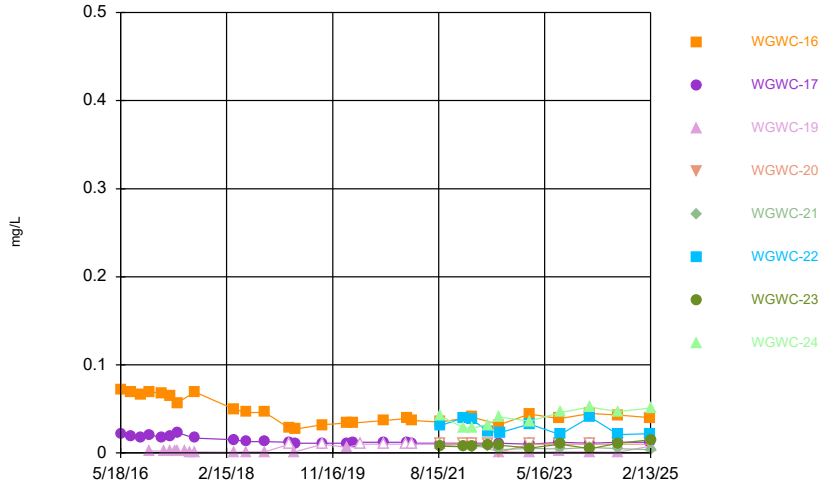
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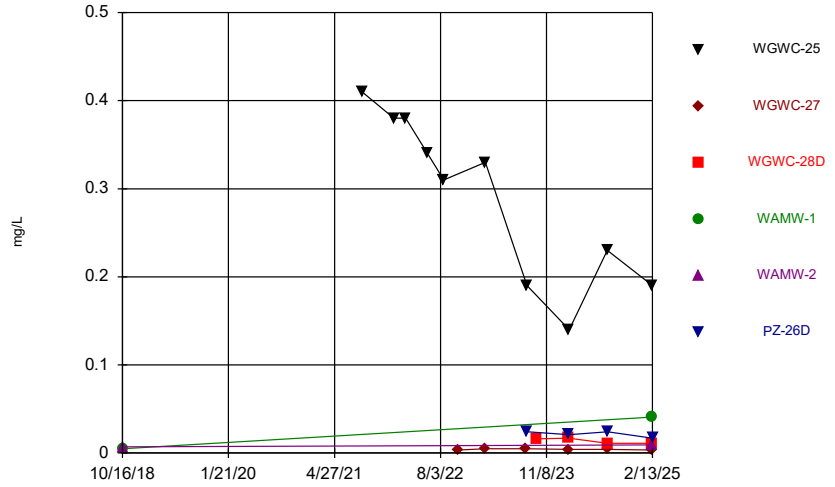


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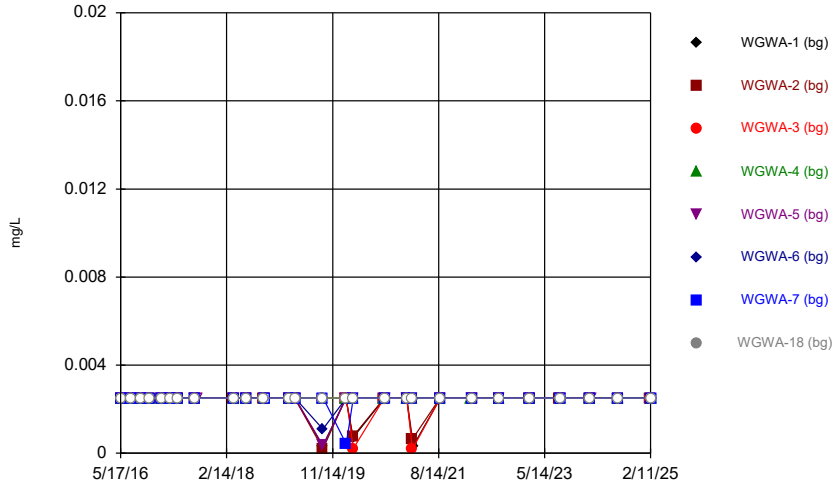


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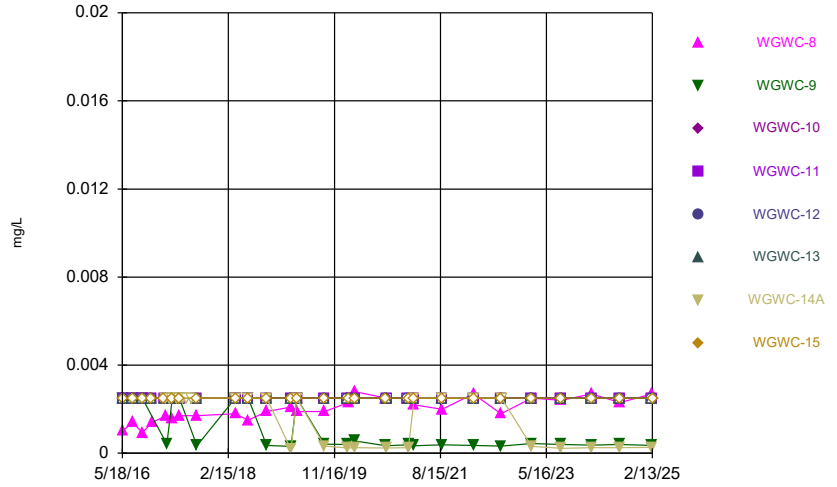
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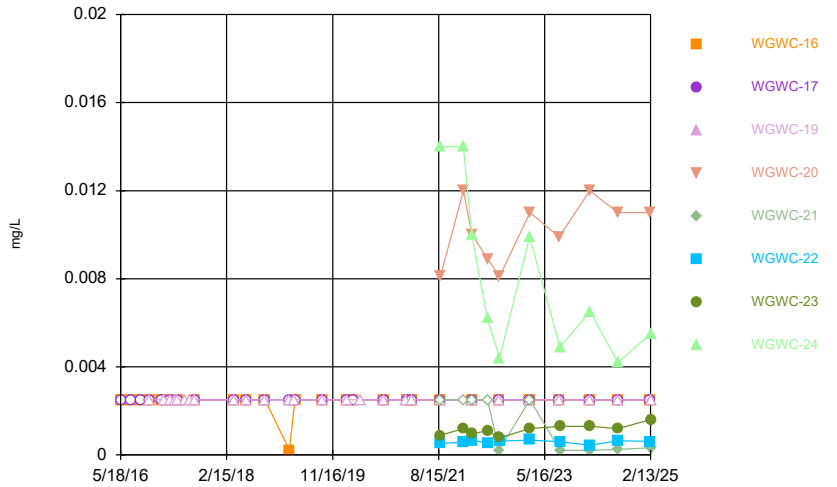
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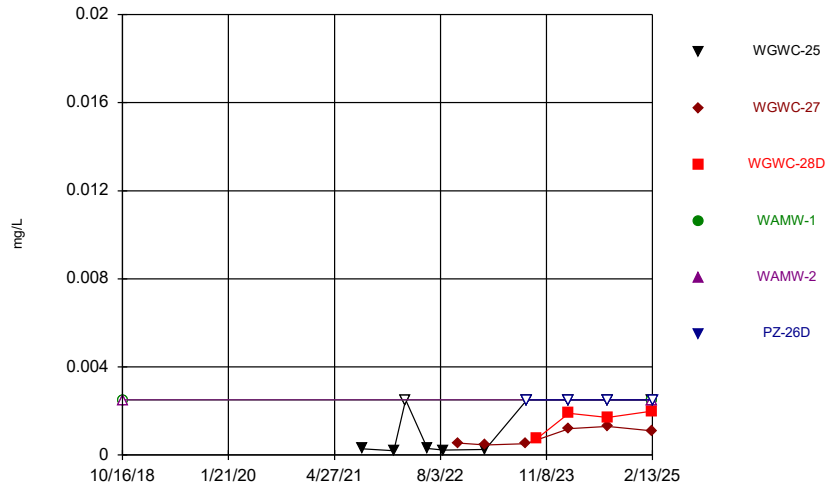
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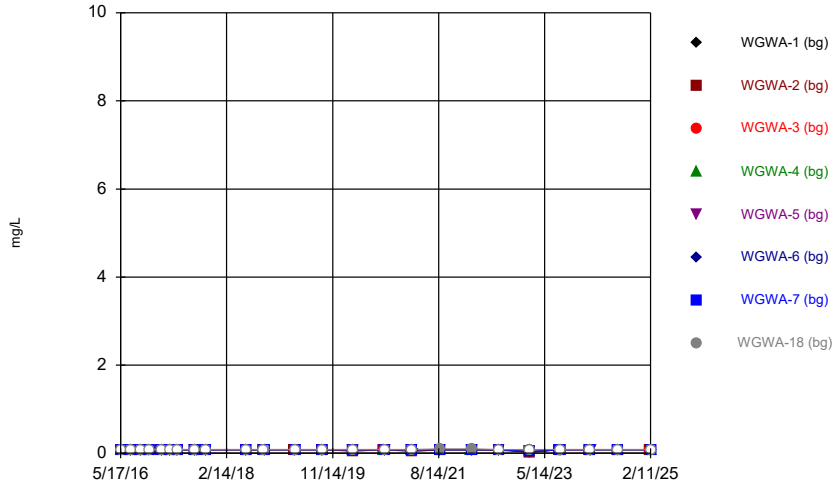
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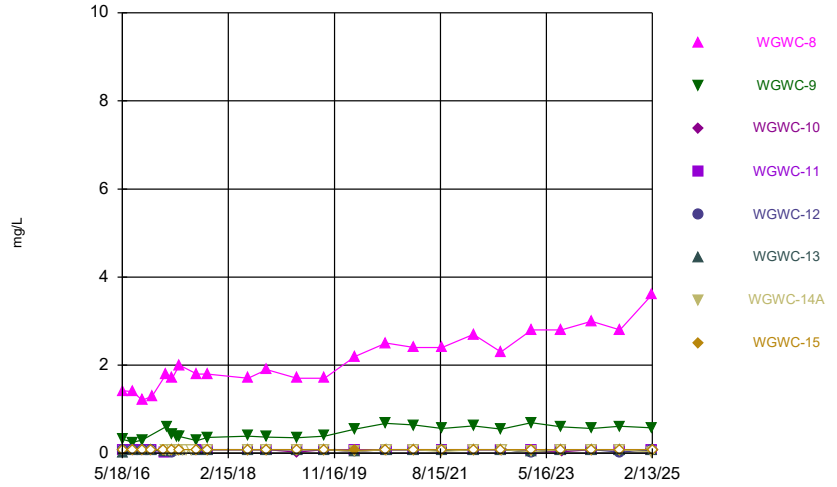
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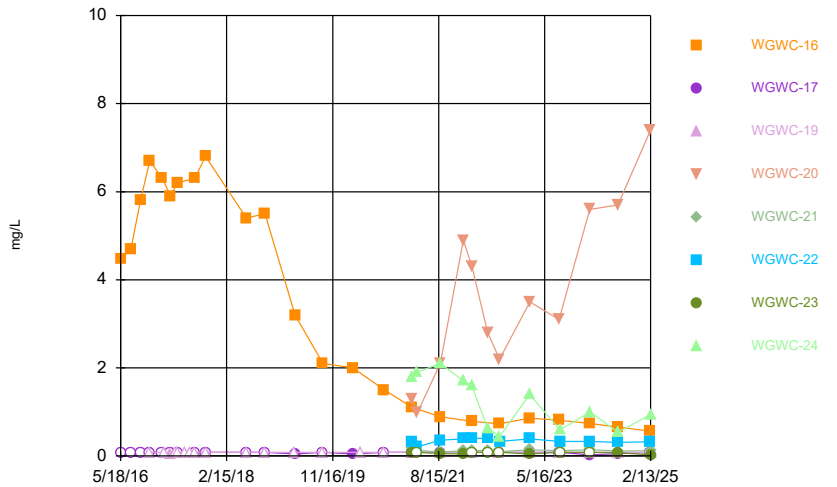
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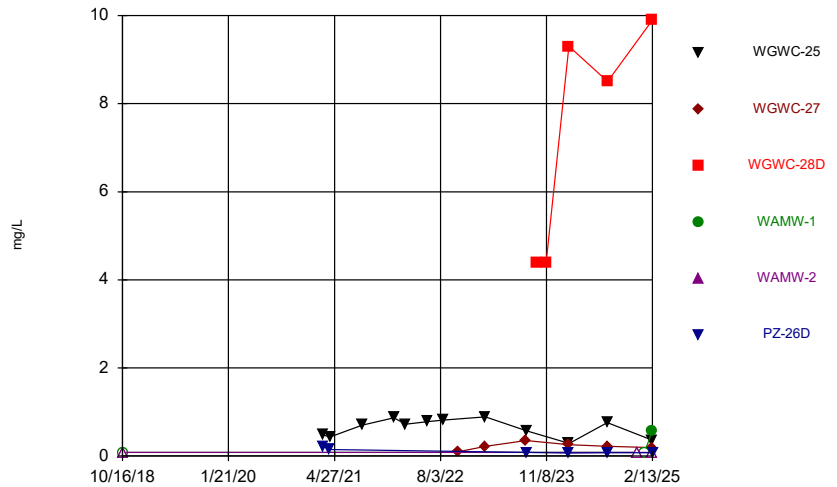
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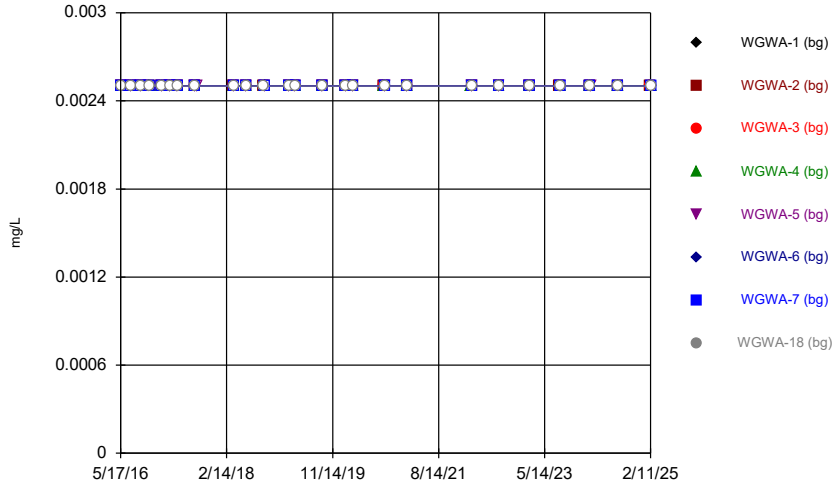
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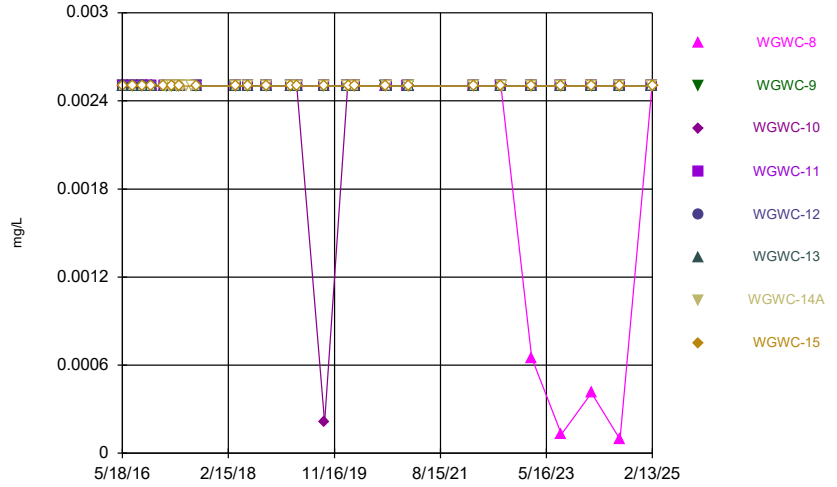
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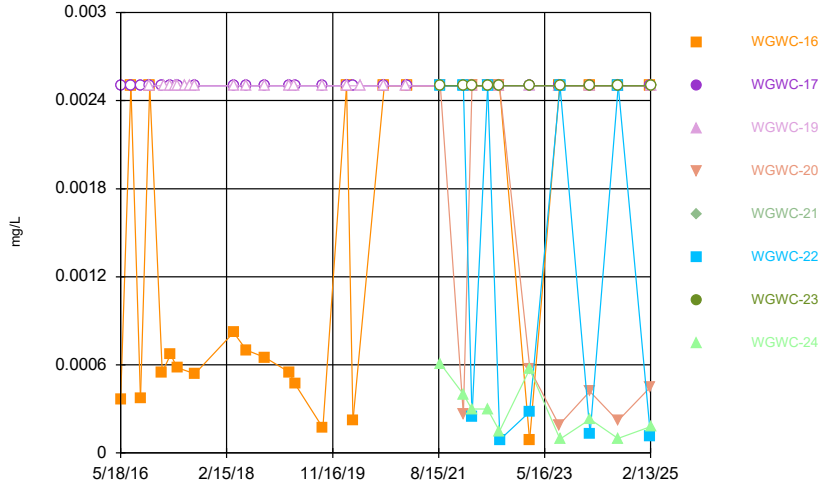
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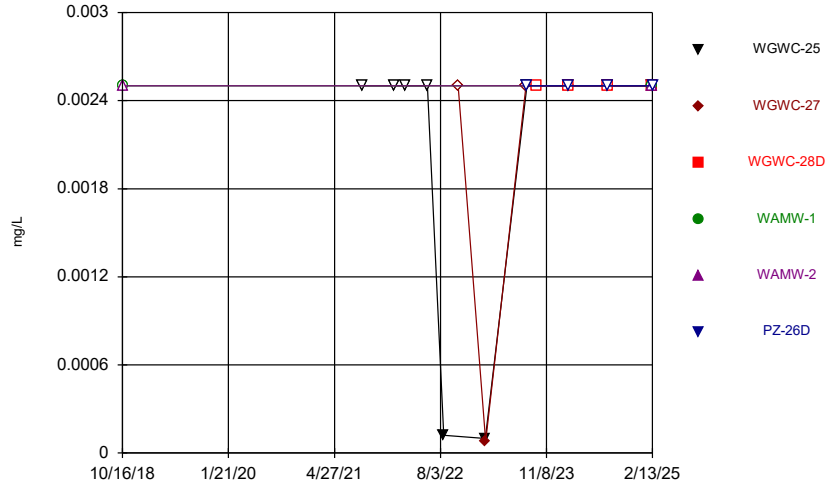
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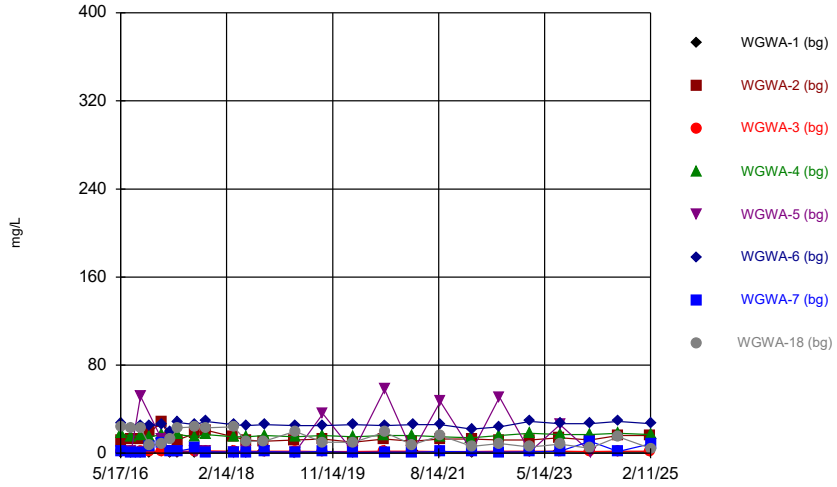
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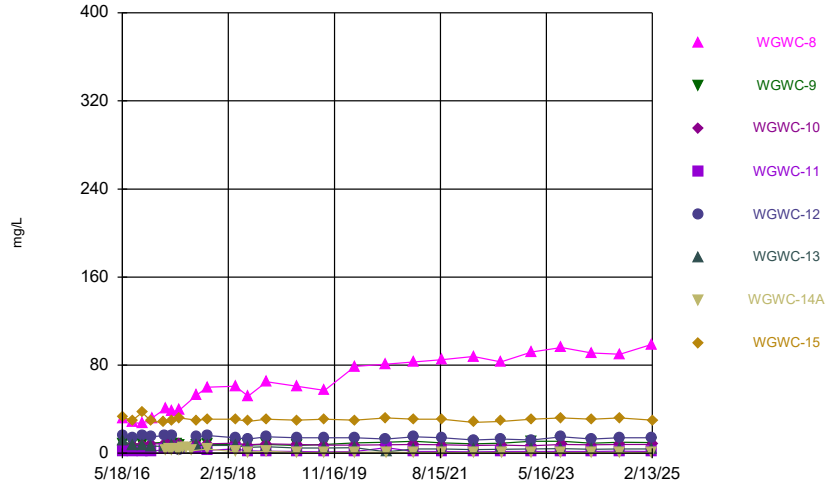


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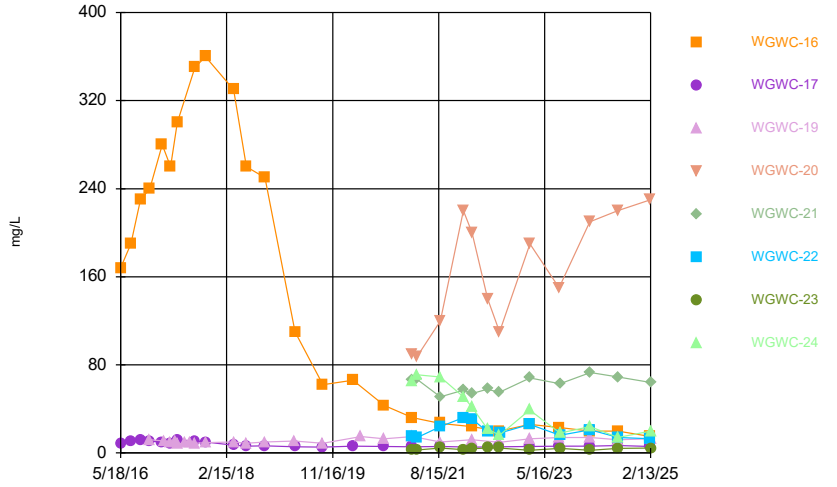


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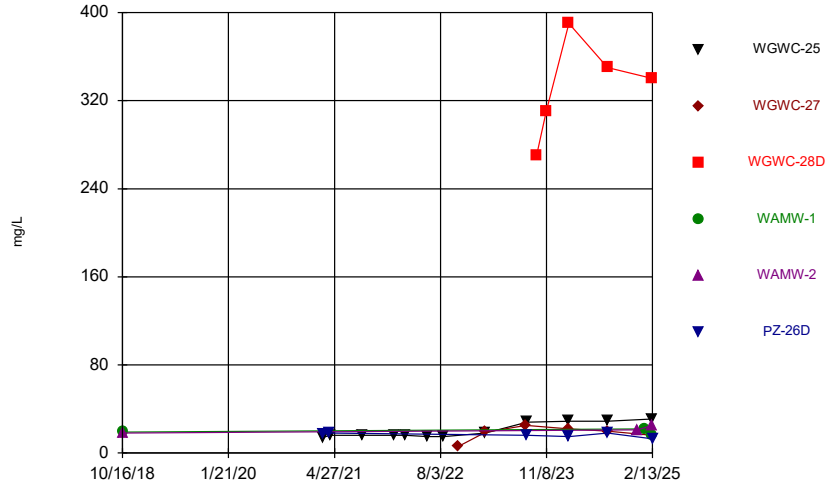


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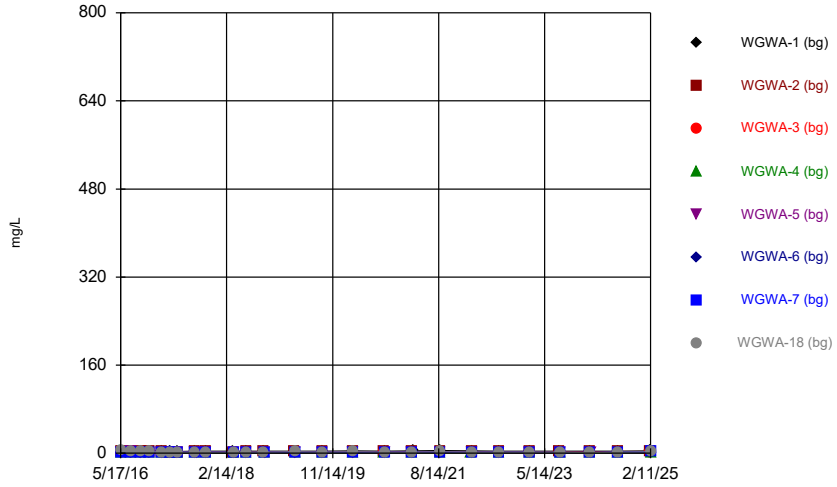


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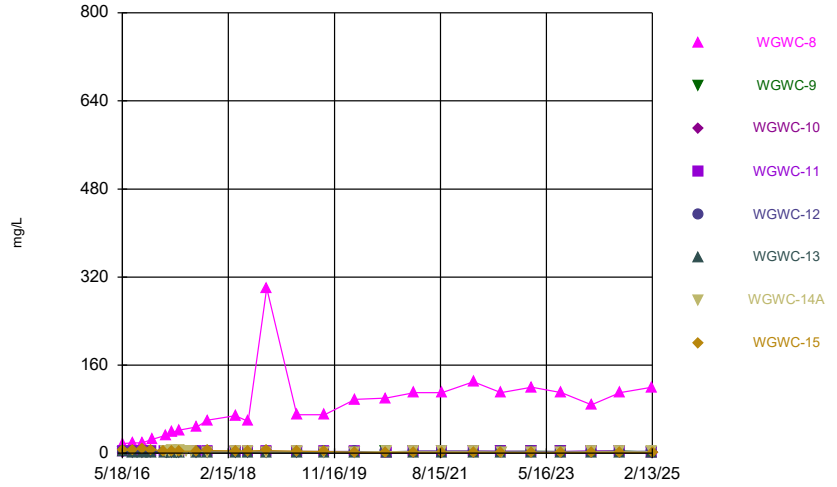
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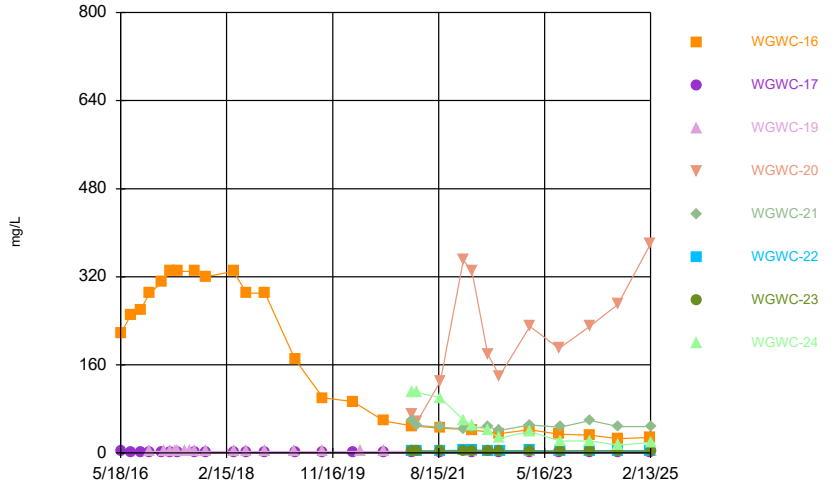
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Plant Wansley Client: Southern Company Data: Wansley AP 1

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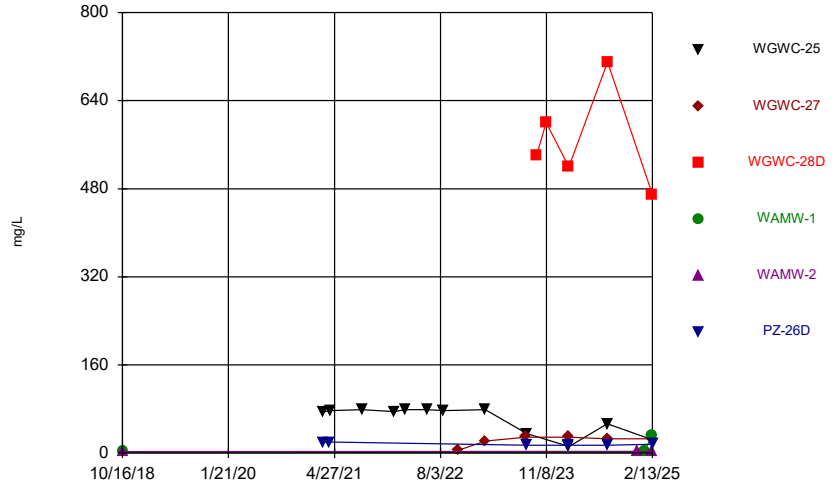
Time Series



Constituent: Chloride Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

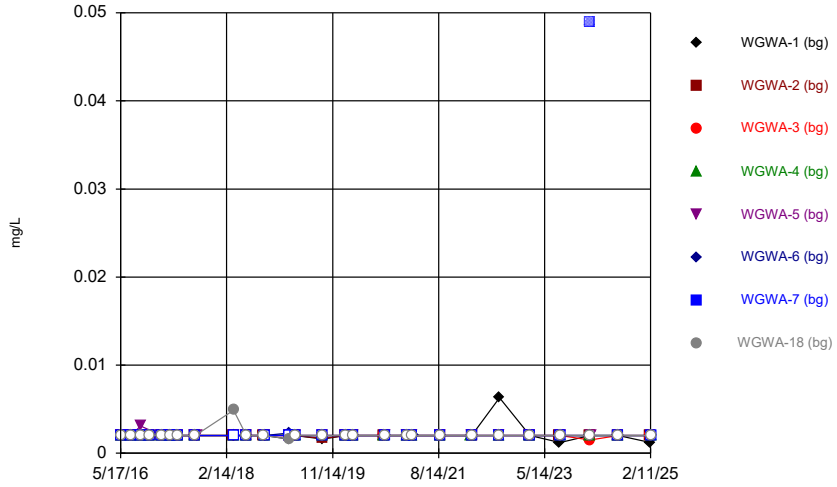
Time Series



Constituent: Chloride Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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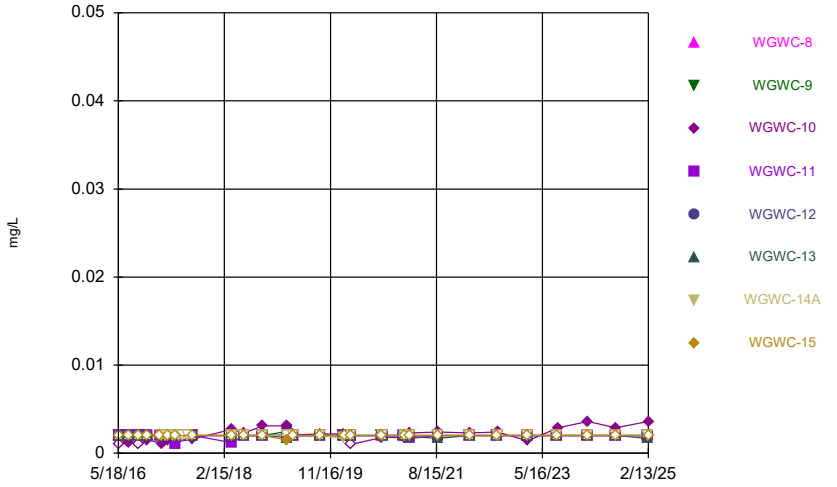
Time Series



Constituent: Chromium Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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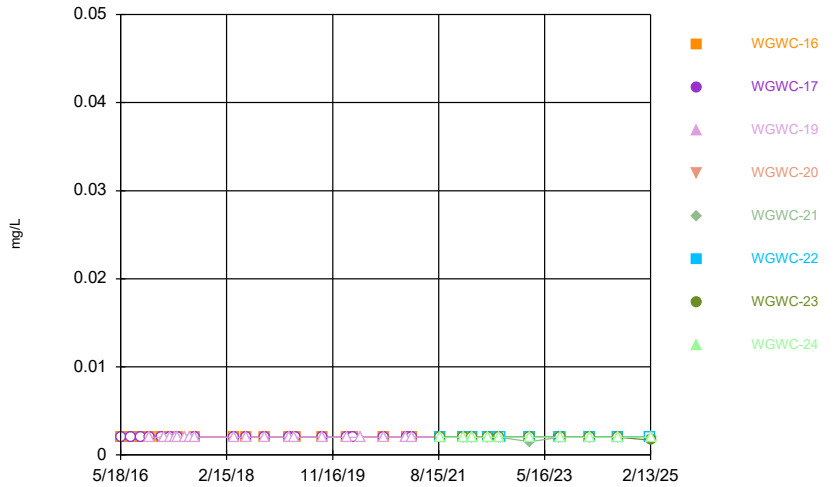
Time Series



Constituent: Chromium Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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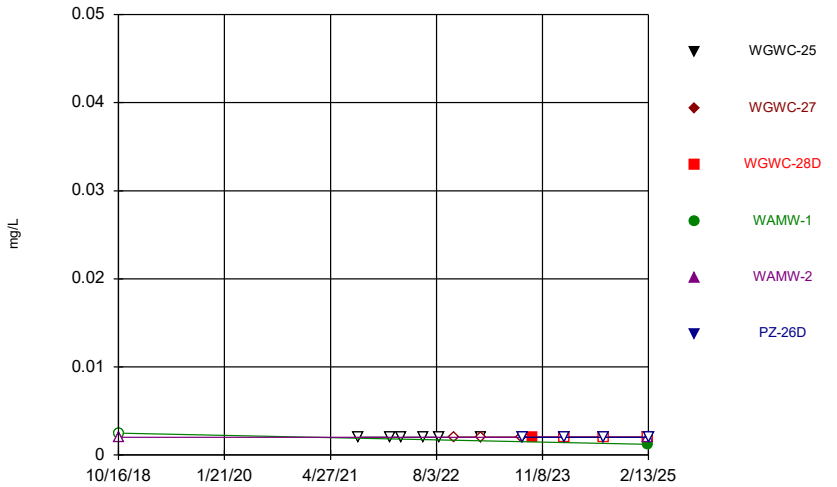
Time Series



Constituent: Chromium Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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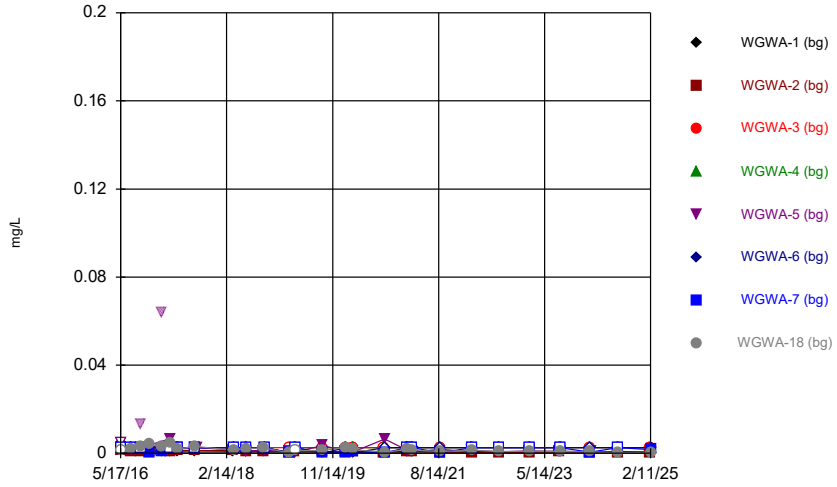
Time Series



Constituent: Chromium Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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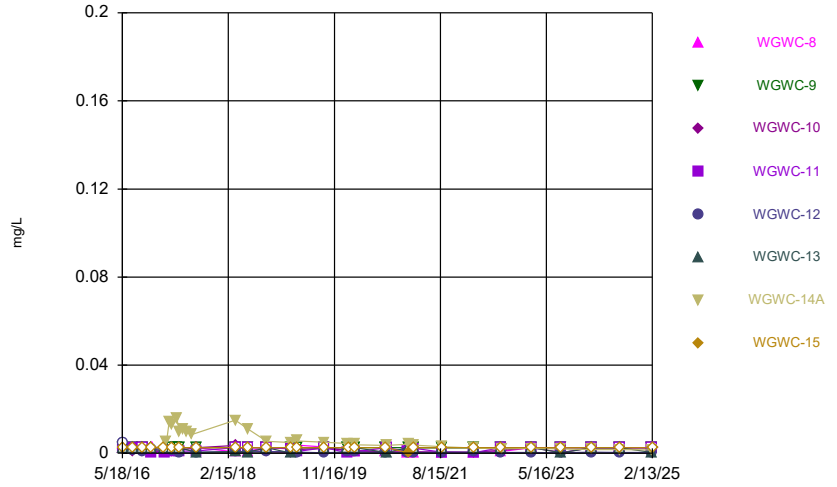
Time Series



Constituent: Cobalt Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

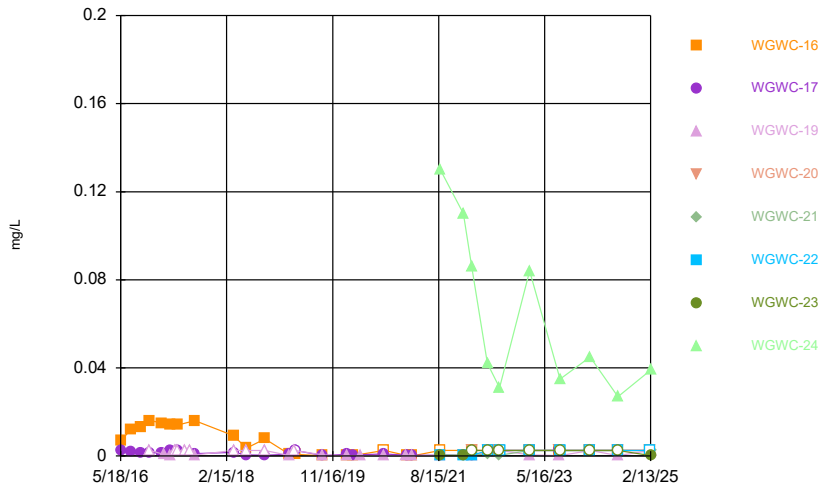
Time Series



Constituent: Cobalt Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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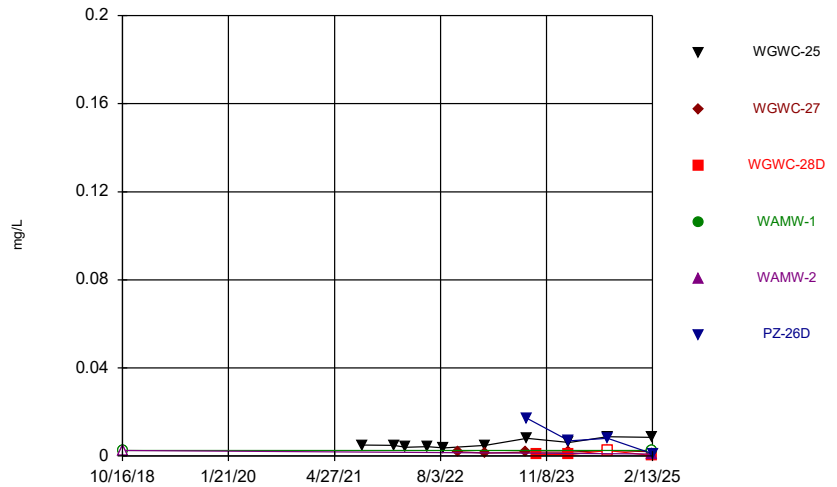
Time Series



Constituent: Cobalt Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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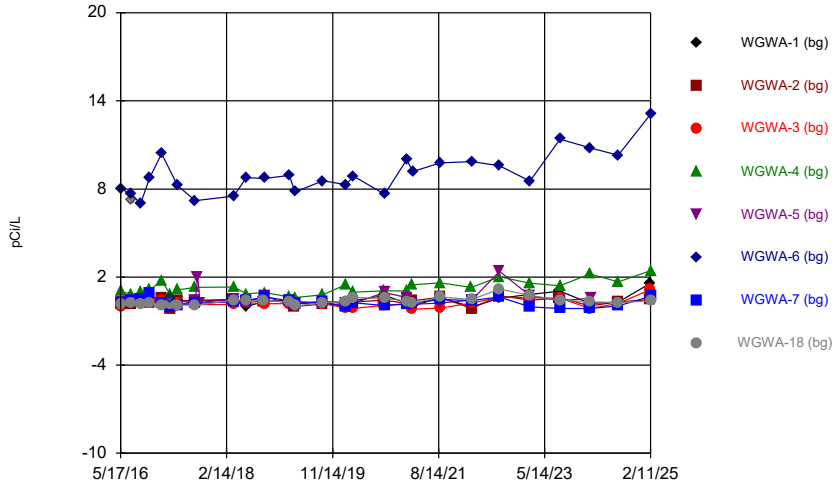
Time Series



Constituent: Cobalt Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

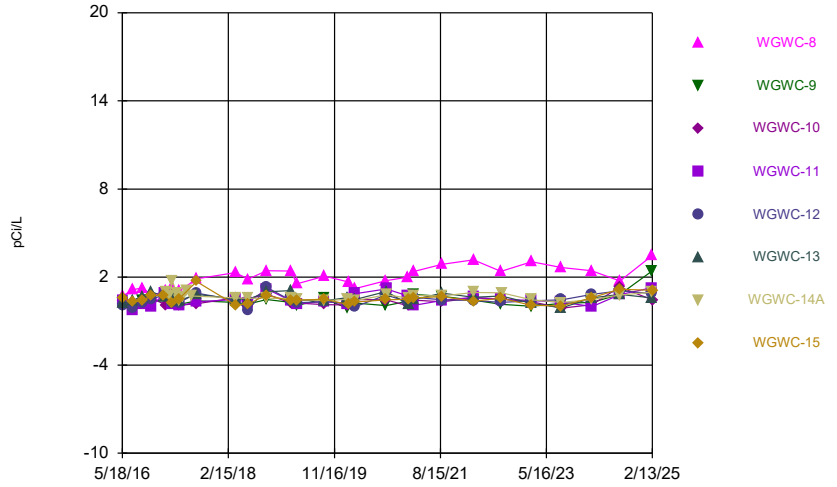
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

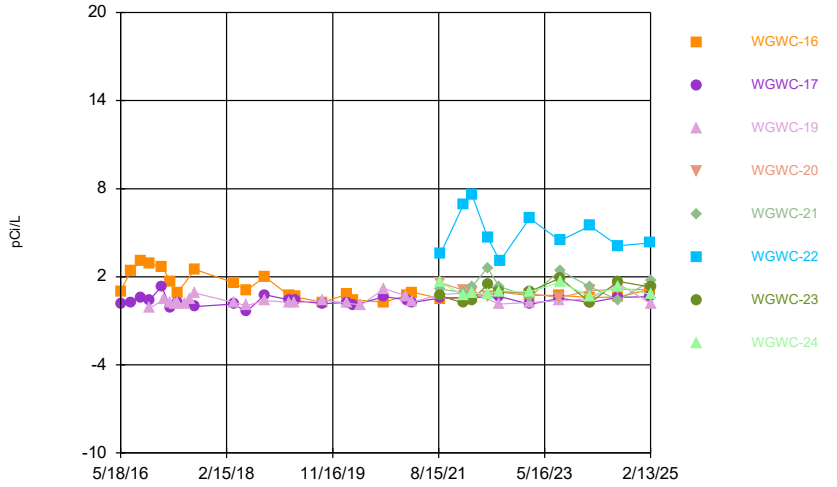
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

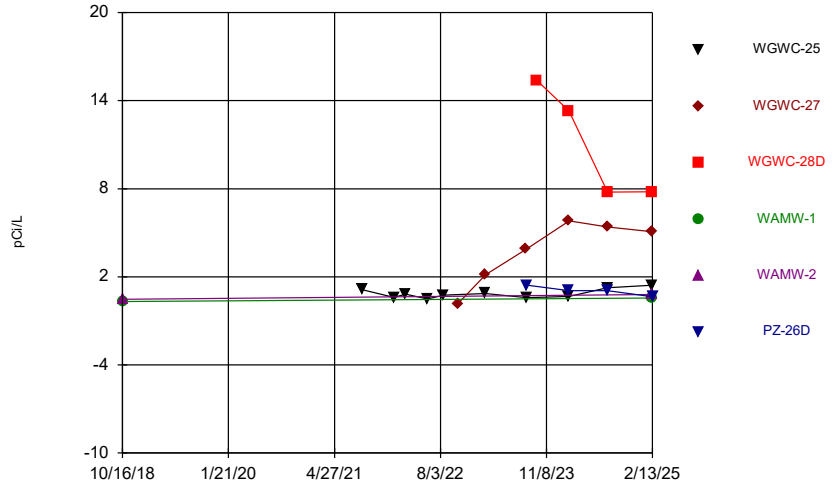
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:40 PM
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Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

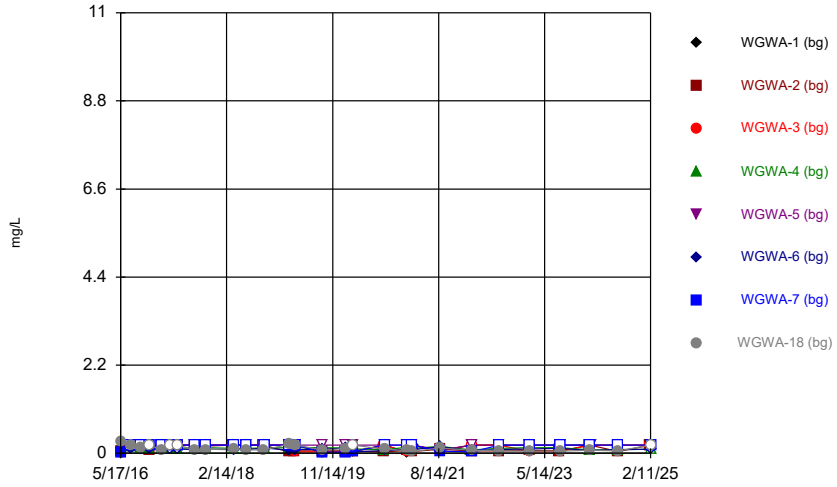
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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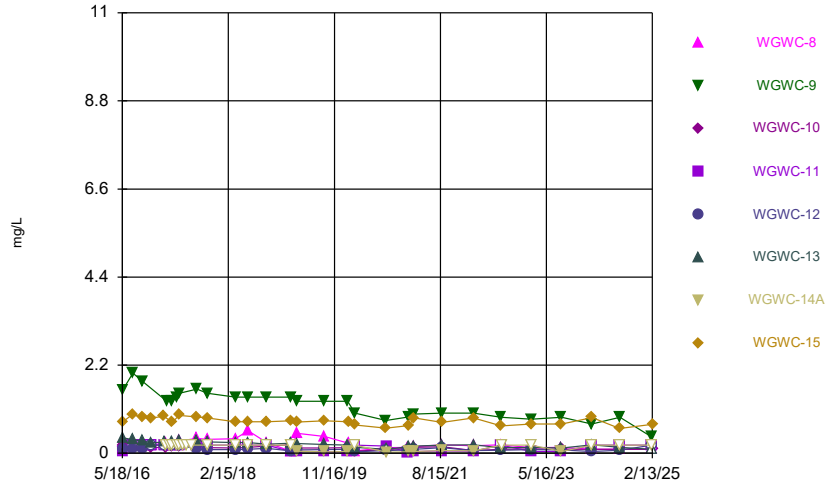
Time Series



Constituent: Fluoride Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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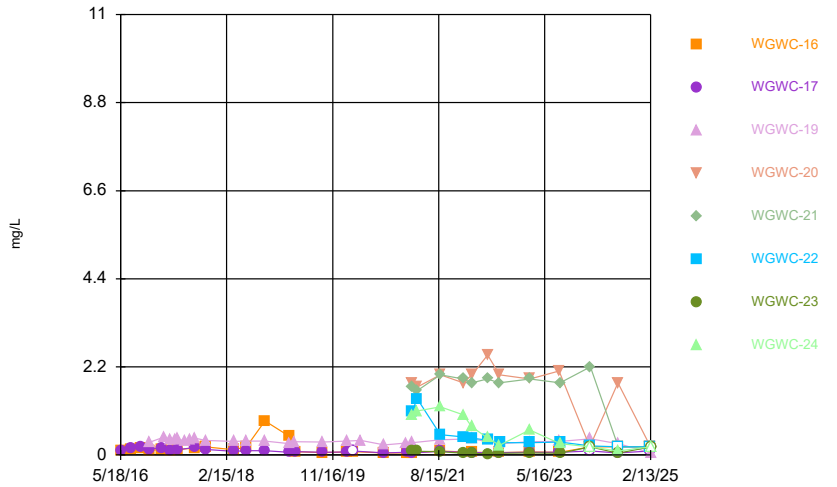
Time Series



Constituent: Fluoride Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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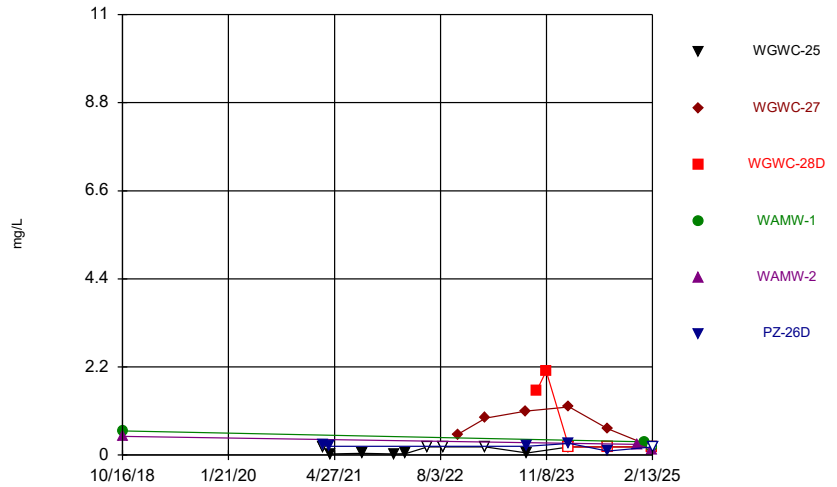
Time Series



Constituent: Fluoride Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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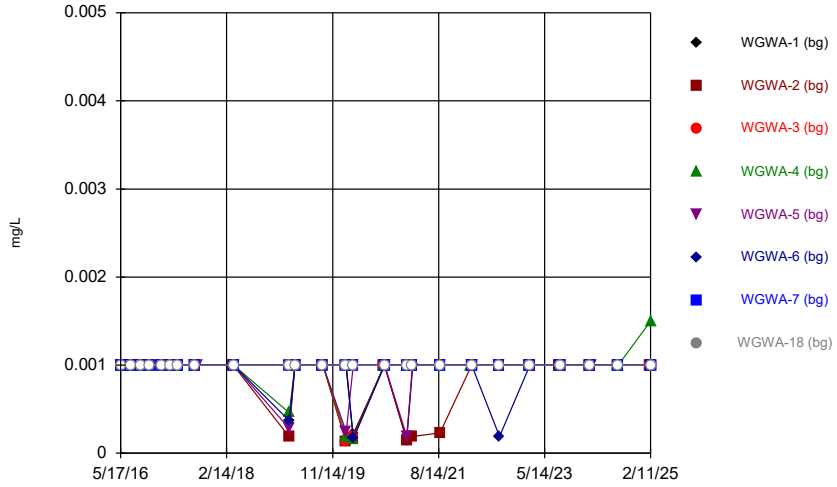
Time Series



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Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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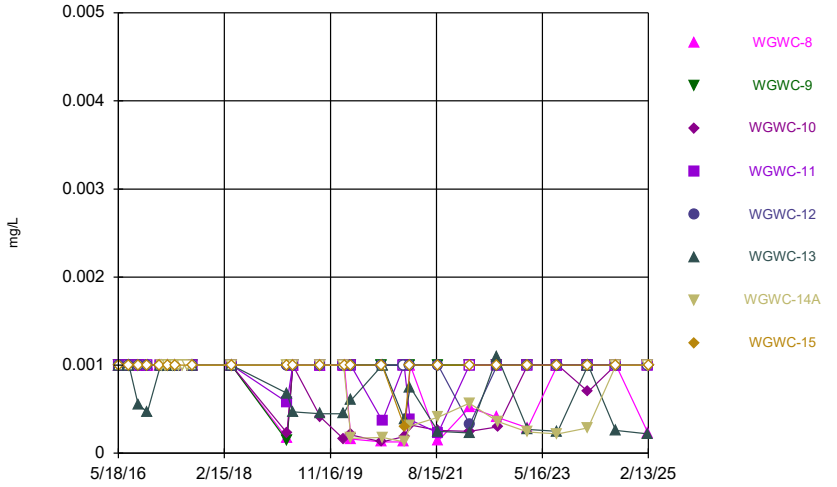
Time Series



Constituent: Lead Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

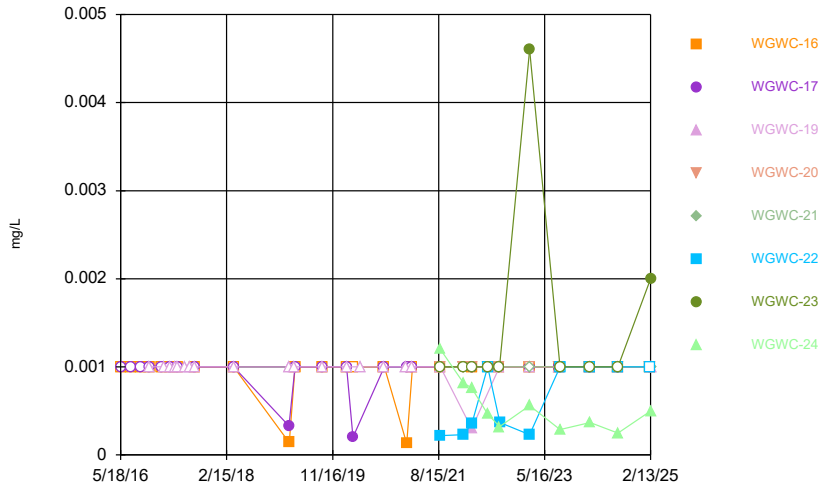
Time Series



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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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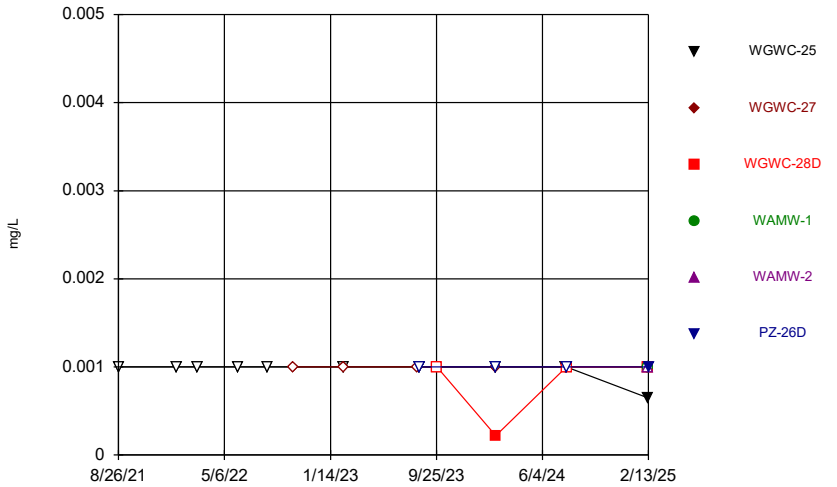
Time Series



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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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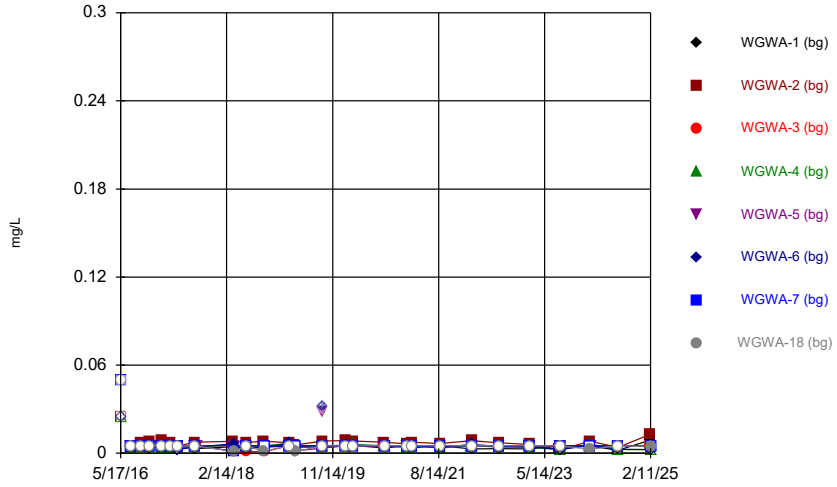
Time Series



Constituent: Lead Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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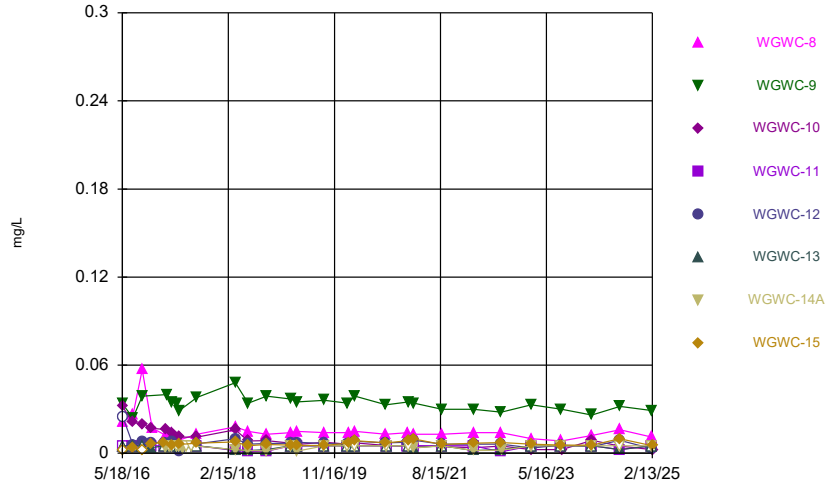
Time Series



Constituent: Lithium Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

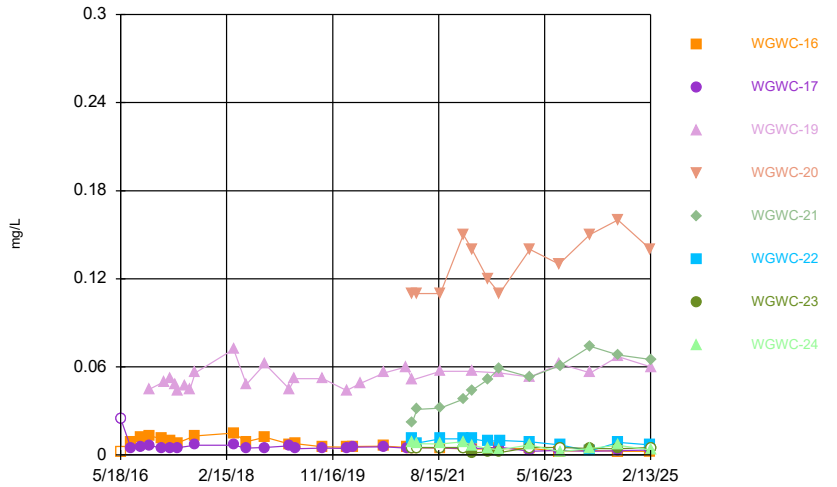
Time Series



Constituent: Lithium Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

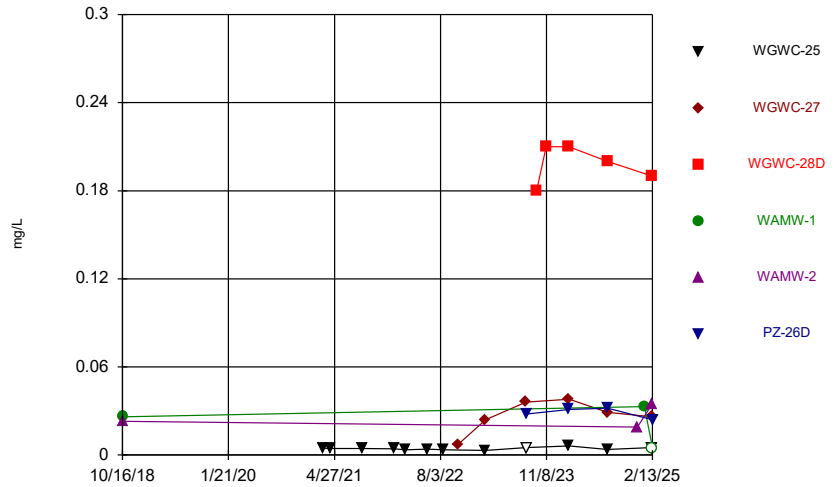
Time Series



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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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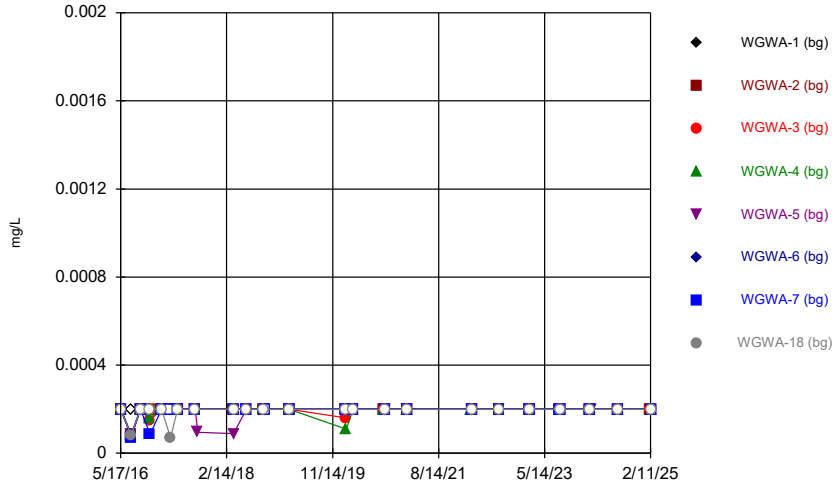
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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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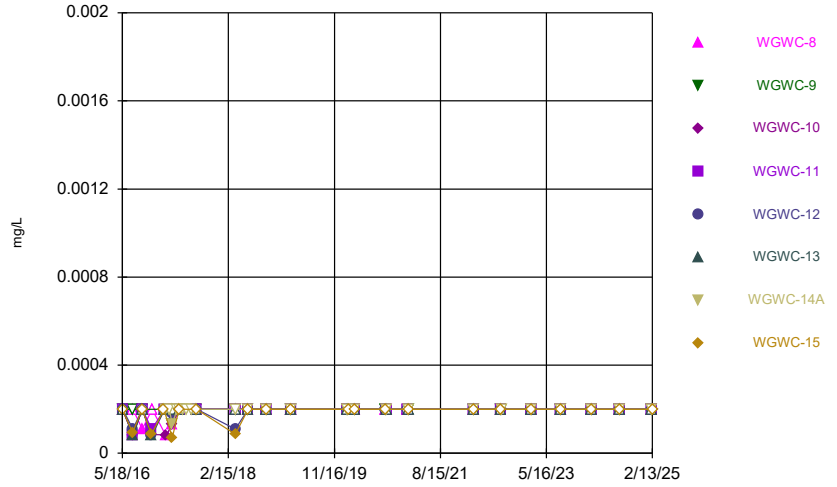
Time Series



Constituent: Mercury Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

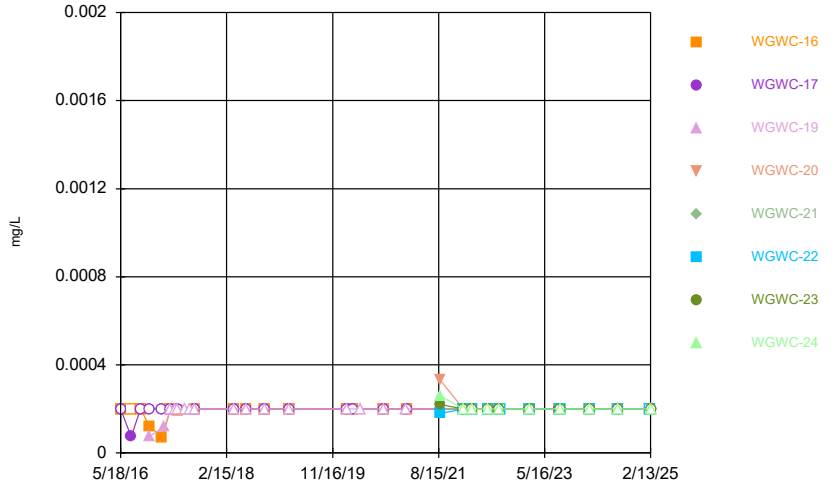
Time Series



Constituent: Mercury Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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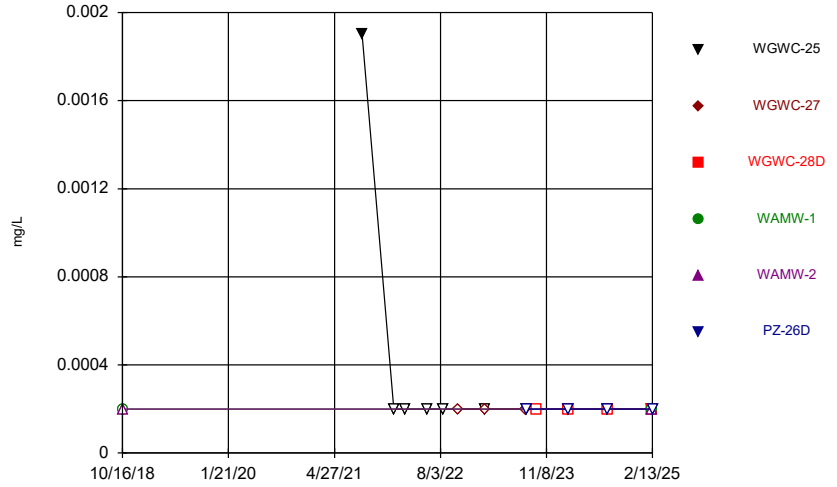
Time Series



Constituent: Mercury Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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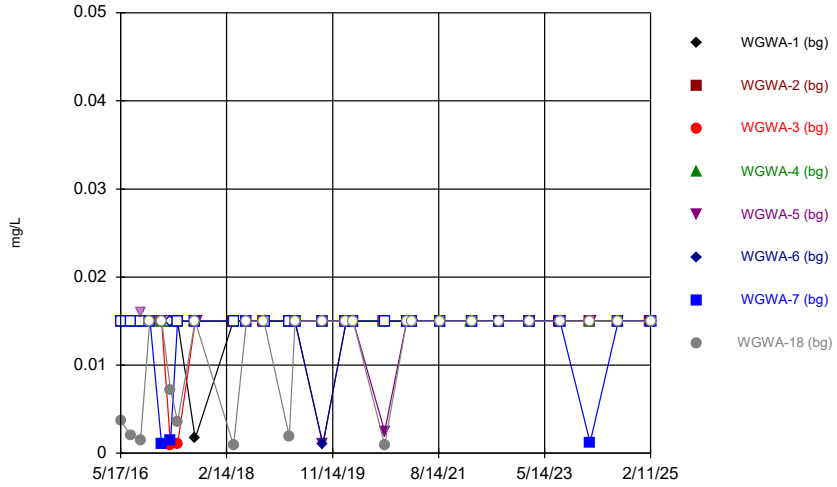
Time Series



Constituent: Mercury Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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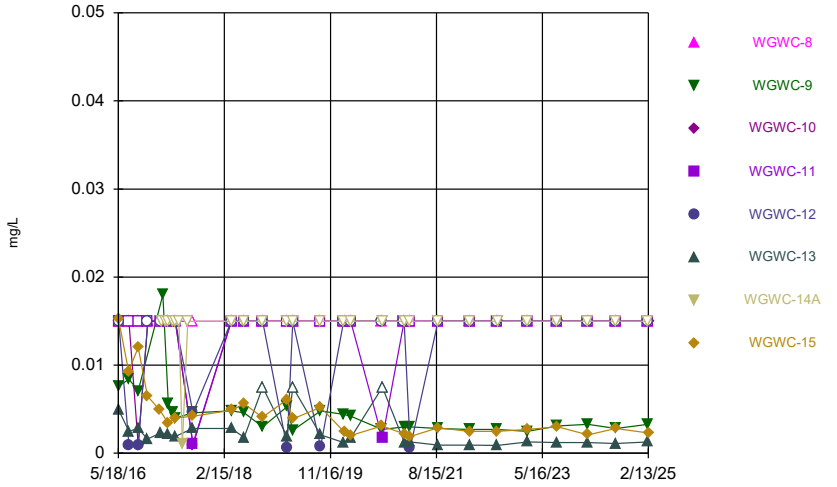
Time Series



Constituent: Molybdenum Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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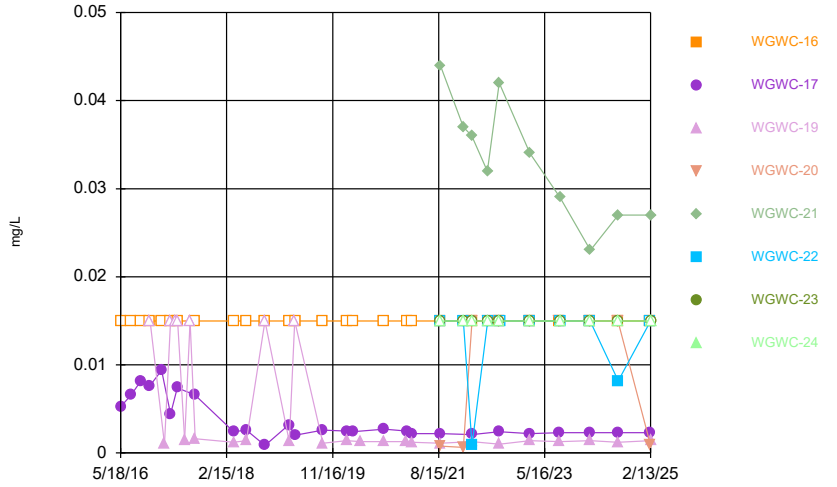
Time Series



Constituent: Molybdenum Analysis Run 4/11/2025 1:40 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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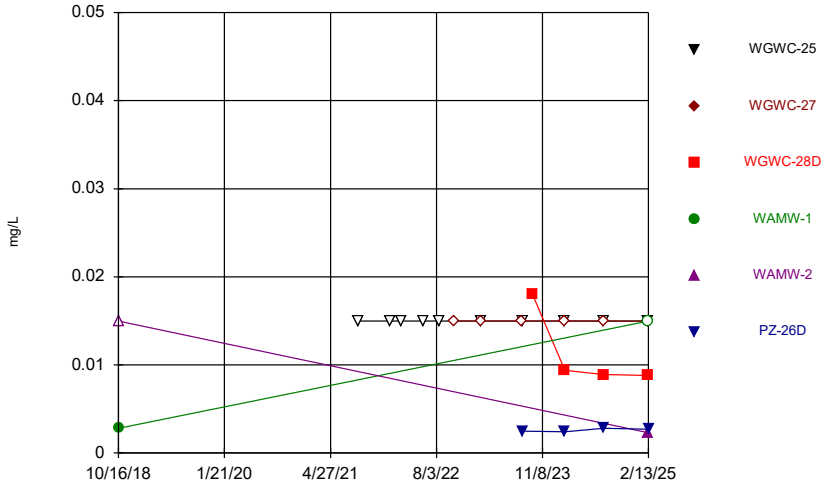
Time Series



Constituent: Molybdenum Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

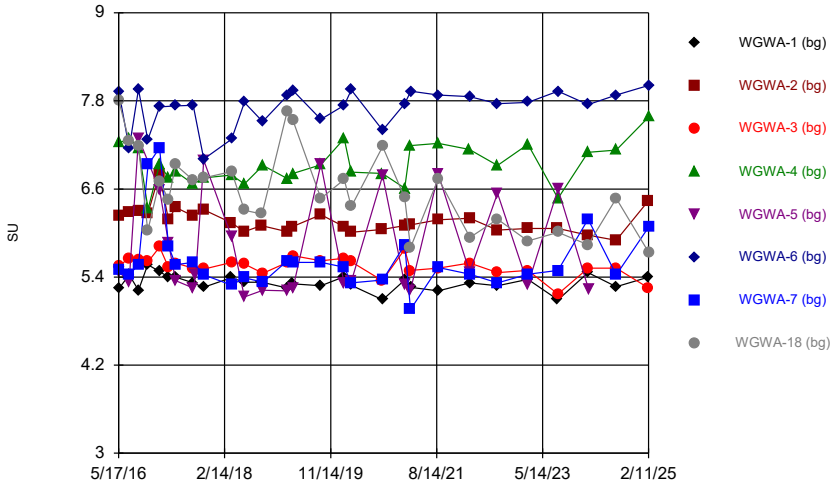
Time Series



Constituent: Molybdenum Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Time Series

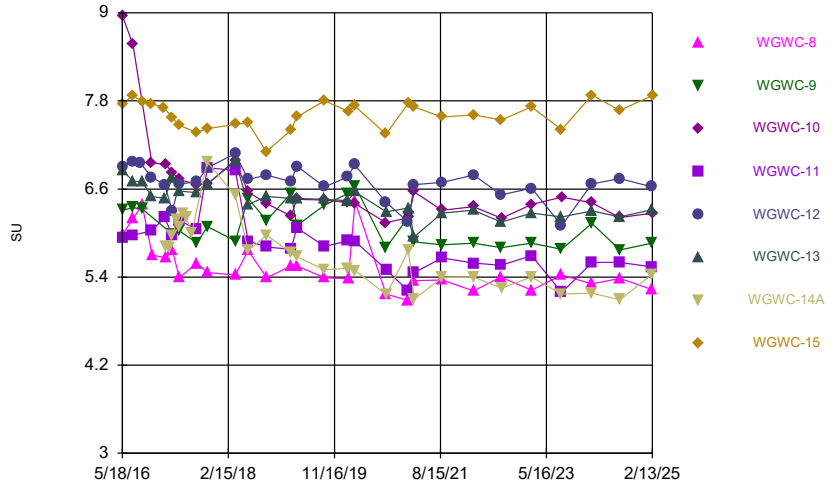


Constituent: pH, Field Analysis Run 4/11/2025 1:41 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Time Series

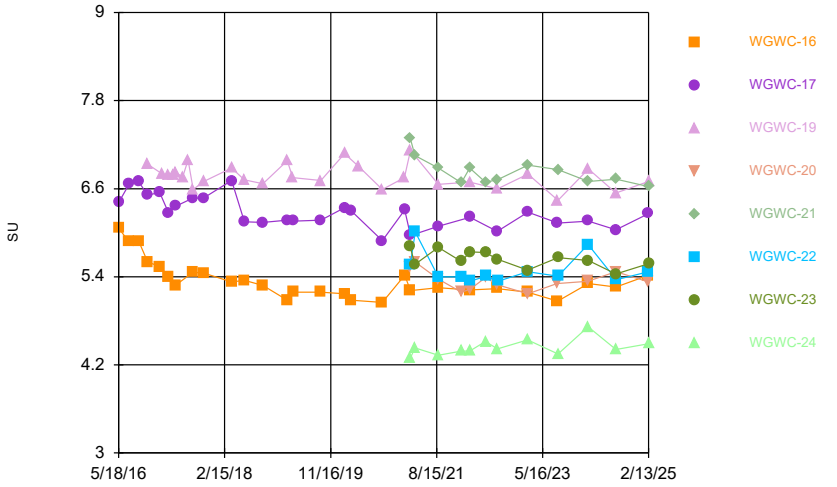


Constituent: pH, Field Analysis Run 4/11/2025 1:41 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Time Series

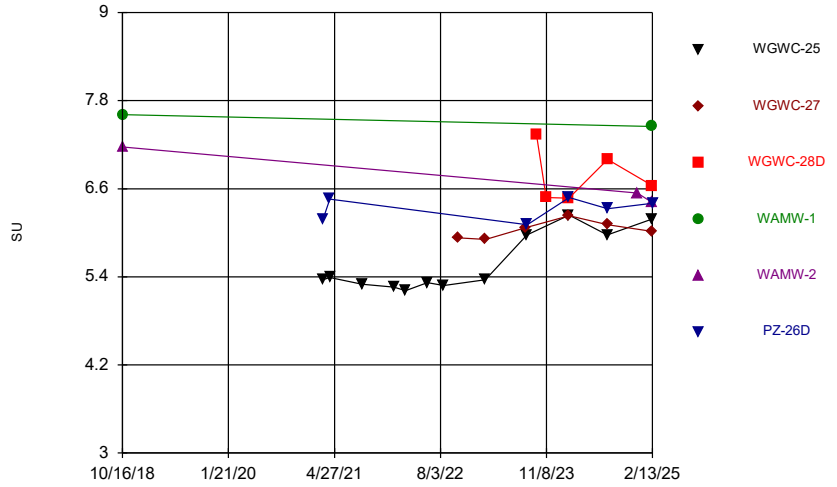


Constituent: pH, Field Analysis Run 4/11/2025 1:41 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Time Series

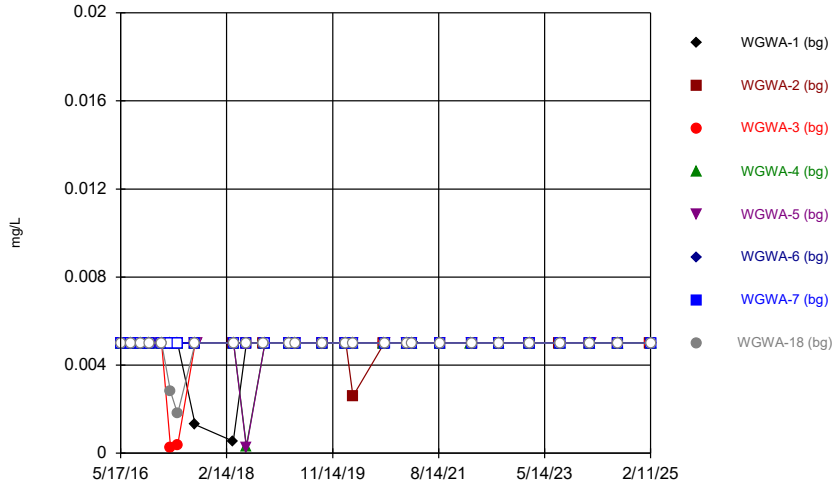


Constituent: pH, Field Analysis Run 4/11/2025 1:41 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

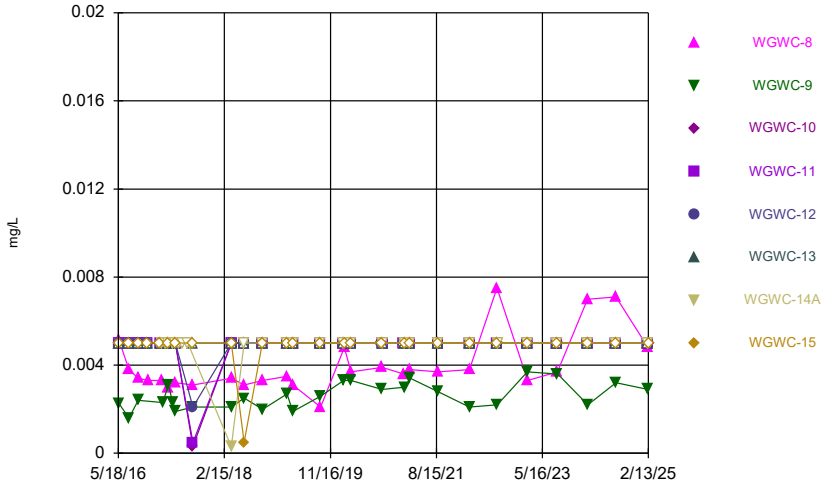
Time Series



Constituent: Selenium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

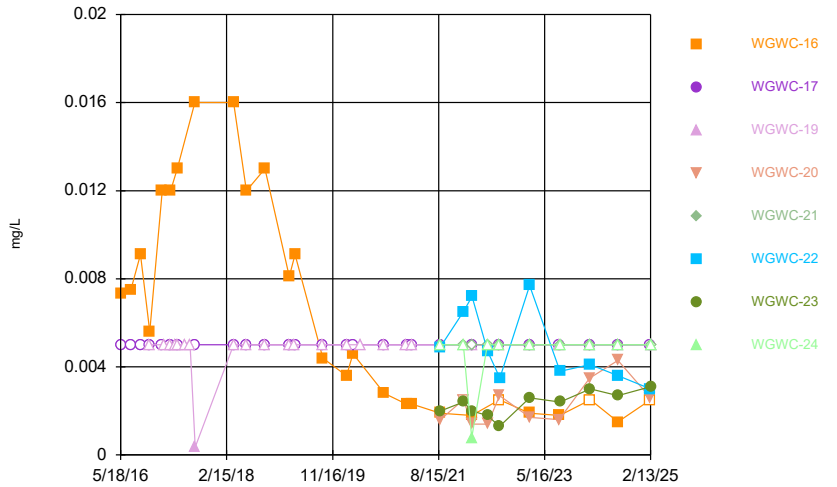
Time Series



Constituent: Selenium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

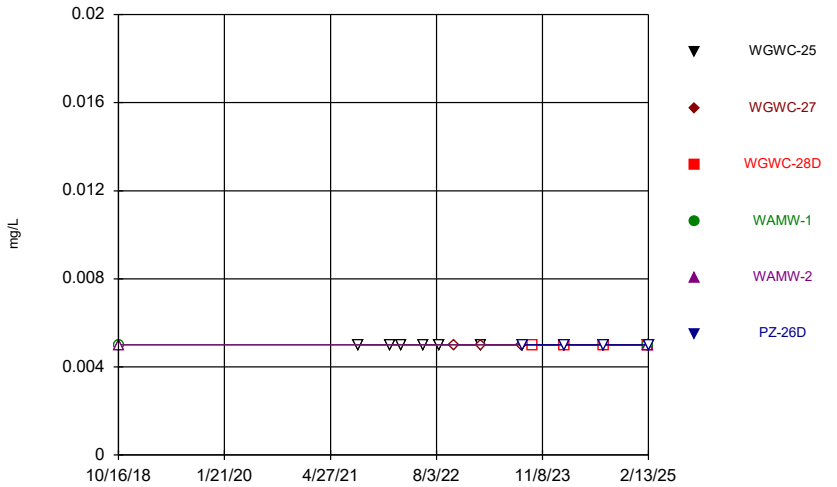
Time Series



Constituent: Selenium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

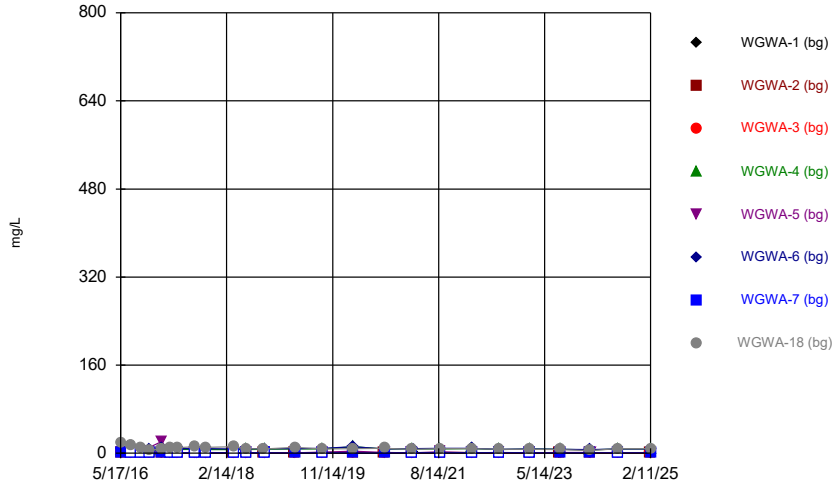
Time Series



Constituent: Selenium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

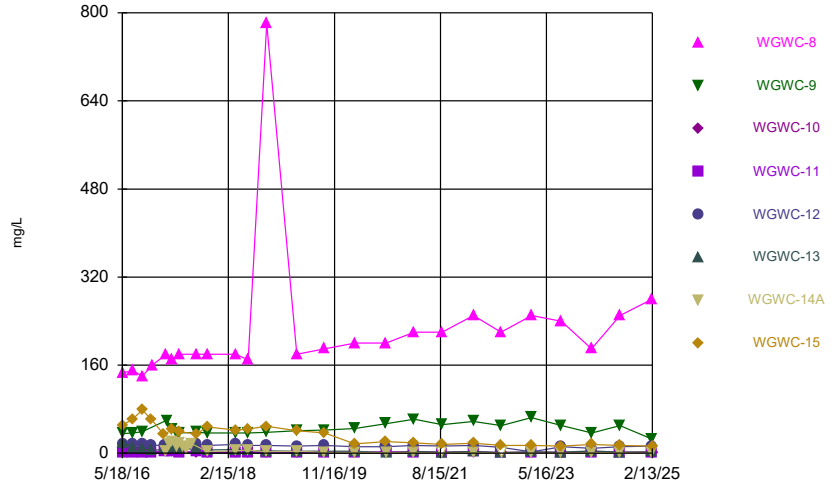
Time Series



Constituent: Sulfate Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

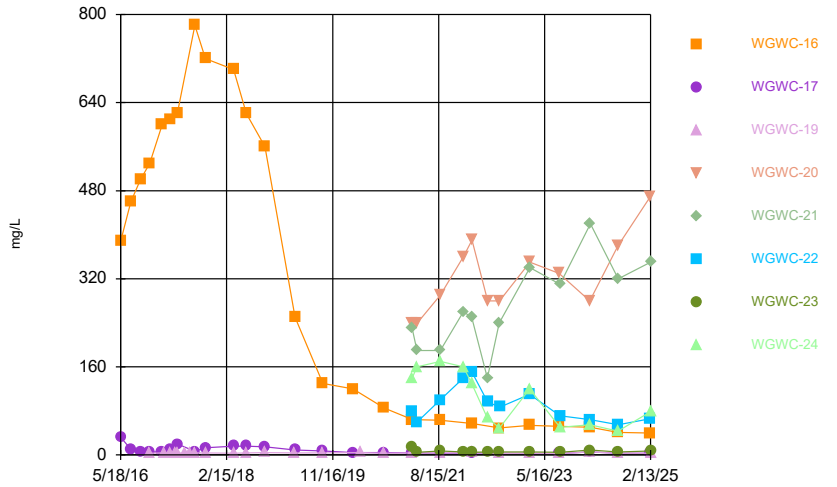
Time Series



Constituent: Sulfate Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

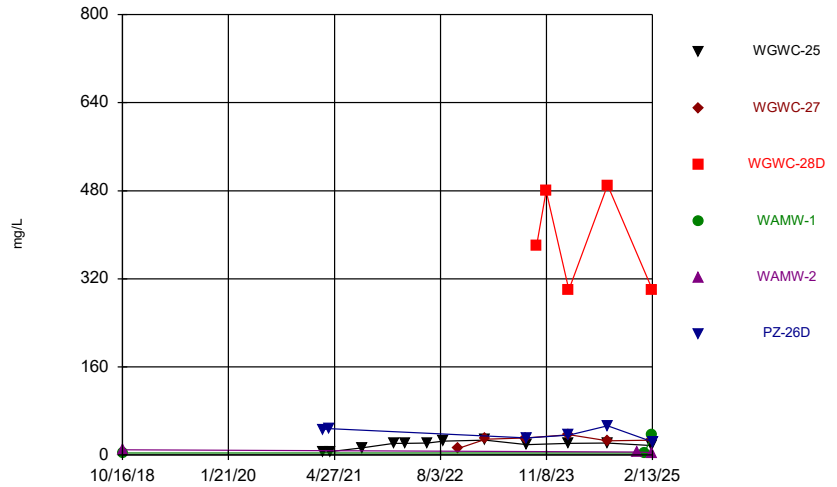
Time Series



Constituent: Sulfate Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

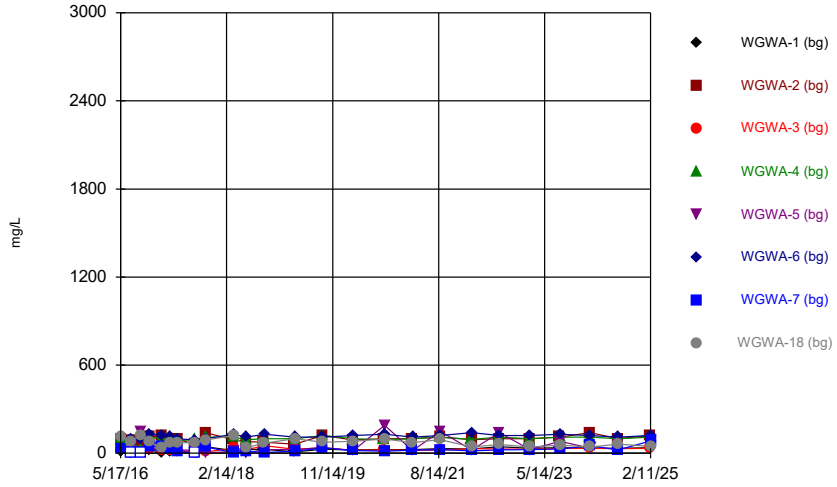
Time Series



Constituent: Sulfate Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

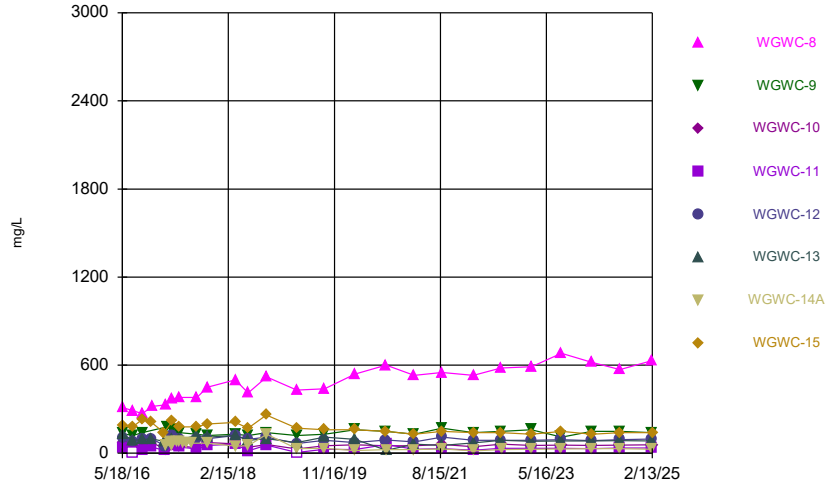
Time Series



Constituent: TDS Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

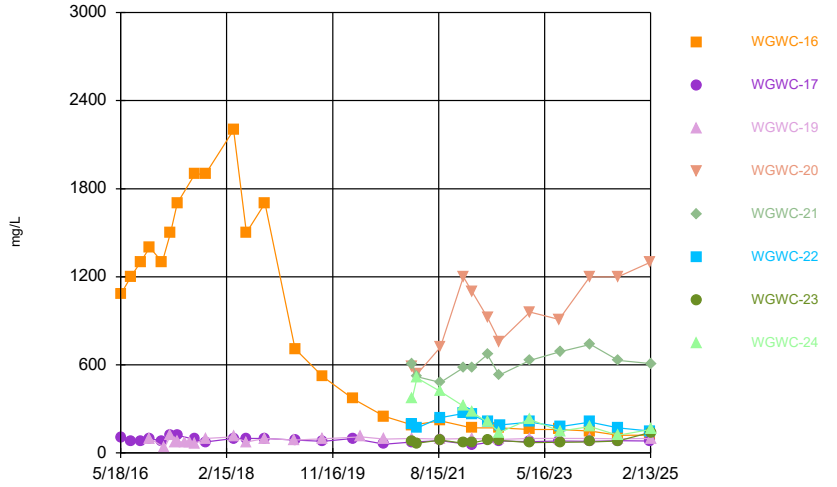
Time Series



Constituent: TDS Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

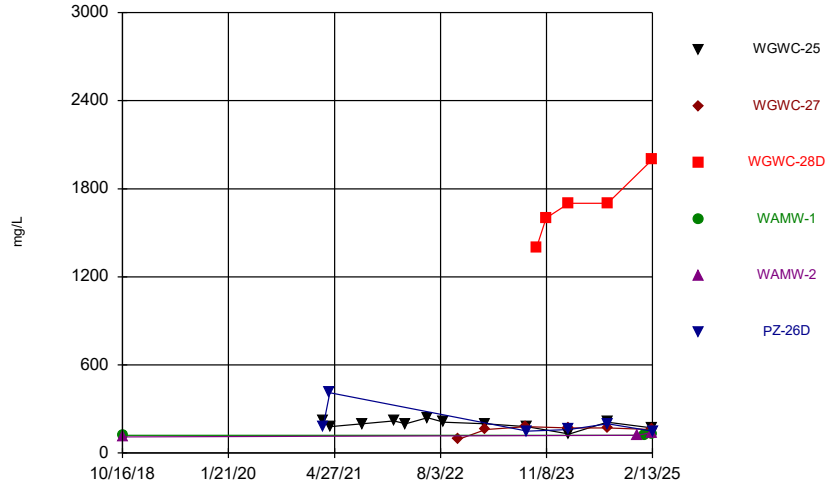
Time Series



Constituent: TDS Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

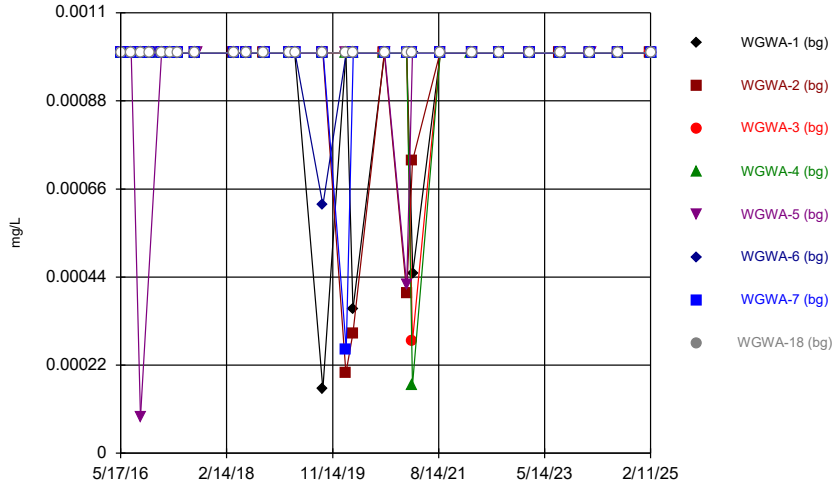
Time Series



Constituent: TDS Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

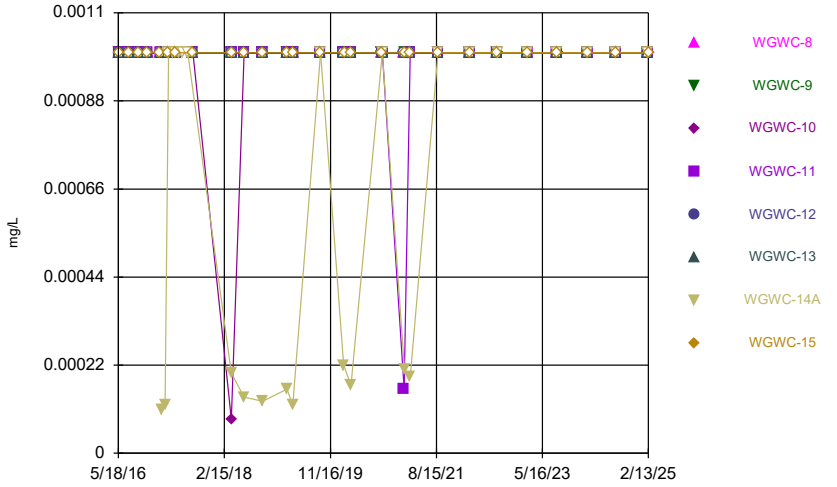
Time Series



Constituent: Thallium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

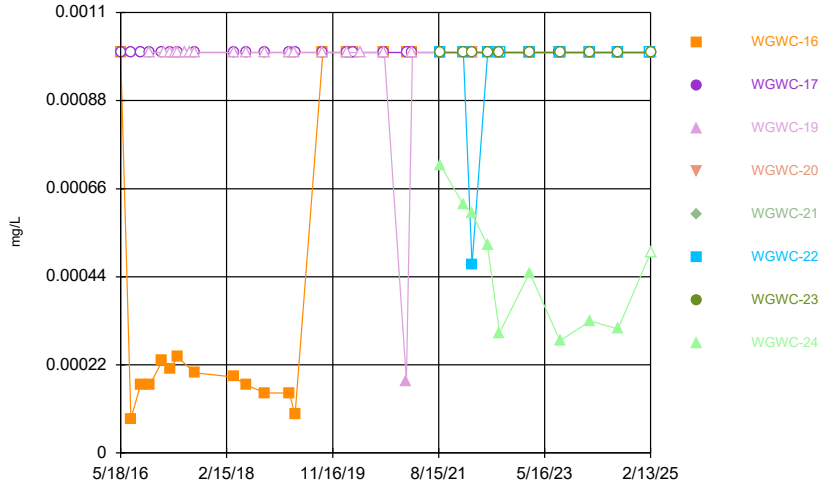
Time Series



Constituent: Thallium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

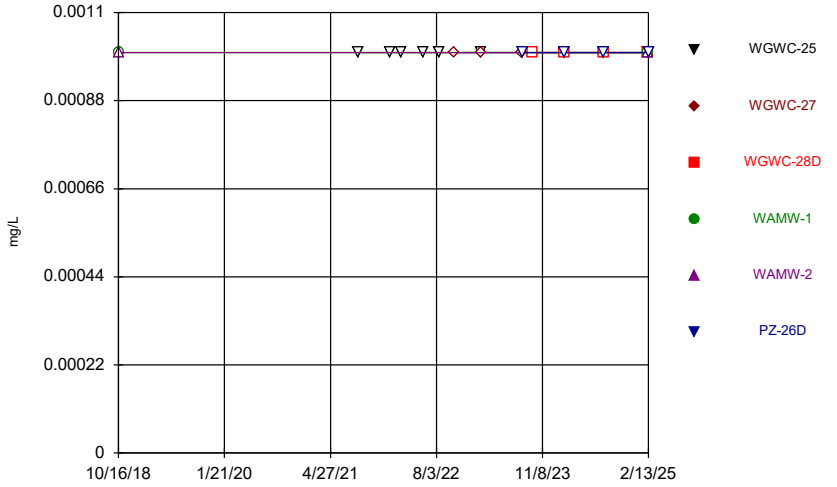
Time Series



Constituent: Thallium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 4/11/2025 1:41 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.002	<0.002						<0.002
5/18/2016			<0.002	<0.002	<0.002	<0.002	<0.002	
7/19/2016	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
7/20/2016			<0.002	<0.002				
9/13/2016	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
9/14/2016					<0.002			
11/9/2016	<0.002	<0.002				<0.002		<0.002
11/10/2016			<0.002	<0.002			<0.002	
1/17/2017	<0.002	<0.002						
1/18/2017			<0.002	<0.002		<0.002	<0.002	
1/19/2017					<0.002			<0.002
3/13/2017	<0.002	<0.002						
3/14/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/24/2017	<0.002	<0.002						
4/25/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/8/2017	0.0022 (J)	<0.002	<0.002			<0.002	<0.002	<0.002
8/9/2017				<0.002	<0.002			
8/25/2017					<0.002			
3/27/2018	<0.002	<0.002						
3/28/2018			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/25/2019	<0.002	<0.002						
2/26/2019			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/3/2020	<0.002	<0.002						
2/4/2020			<0.002	<0.002	<0.002	<0.002		
2/5/2020							<0.002	<0.002
2/2/2021	0.00062 (J)	<0.002	<0.002	<0.002			<0.002	<0.002
2/3/2021					<0.002	<0.002		
3/10/2021		<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
3/11/2021	<0.002					<0.002		
8/23/2021		<0.002						
8/24/2021	<0.002			<0.002	<0.002	<0.002	<0.002	
8/25/2021			<0.002					<0.002
2/28/2022				<0.002				
3/1/2022	<0.002	<0.002	<0.002		<0.002	<0.002		
3/3/2022							<0.002	<0.002
8/15/2022	<0.002	<0.002			<0.002	<0.002		
8/16/2022			<0.002	0.00051 (J)			<0.002	<0.002
2/14/2023	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
2/15/2023				<0.002				
8/14/2023	<0.002	<0.002						
8/15/2023			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2024	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/16/2024					<0.002			
7/30/2024	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/10/2025	<0.002	<0.002	<0.002					
2/11/2025				<0.002		<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.002					<0.002
5/19/2016	<0.002	<0.002		<0.002	<0.002	<0.002		
7/19/2016								<0.002
7/20/2016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
9/14/2016		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
9/15/2016	<0.002							
11/10/2016						<0.002		<0.002
11/11/2016			<0.002	<0.002	<0.002			
11/14/2016	<0.002							
1/24/2017								<0.002
1/27/2017				<0.002	<0.002	<0.002		
2/6/2017	<0.002		<0.002					
2/8/2017							<0.002	
2/9/2017		<0.002						
2/23/2017							<0.002	
3/14/2017								<0.002
3/15/2017	<0.002	0.0011 (J)	<0.002	<0.002	<0.002	<0.002		
3/17/2017							<0.002	
4/11/2017		<0.002					<0.002	
4/25/2017								<0.002
4/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
5/17/2017							<0.002	
6/7/2017							<0.002	
7/11/2017							<0.002	
8/9/2017						<0.002		<0.002
8/10/2017	<0.002	<0.002	<0.002	<0.002	0.0023 (J)			
3/29/2018	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	
3/30/2018			<0.002					<0.002
2/27/2019	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/28/2019		<0.002						
2/5/2020		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
2/7/2020	<0.002							<0.002
2/3/2021	<0.002			<0.002	<0.002			
2/4/2021		0.00041 (J)	<0.002			<0.002	<0.002	<0.002
3/11/2021	<0.002		<0.002			<0.002	<0.002	
3/12/2021		<0.002		<0.002	<0.002			<0.002
8/25/2021				<0.002	<0.002	<0.002	<0.002	
8/26/2021	<0.002	<0.002	<0.002					<0.002
3/3/2022	<0.002	0.008	<0.002	<0.002		<0.002	<0.002	<0.002
3/4/2022					<0.002			
8/16/2022	0.011			0.00053 (J)				
8/17/2022		0.0043						<0.002
8/18/2022					<0.002	<0.002		
8/19/2022			<0.002				<0.002	
2/15/2023		0.00048 (J)						<0.002
2/16/2023	0.00064 (J)		<0.002	<0.002	<0.002	<0.002	<0.002	
8/15/2023	0.0079							
8/16/2023		0.0011 (J)		<0.002	<0.002	<0.002	<0.002	<0.002
8/17/2023			<0.002					
2/13/2024	<0.002							
2/14/2024		0.0063			<0.002			
2/15/2024			<0.002			<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
2/16/2024				<0.002				
7/31/2024			<0.002	<0.002	<0.002	<0.002		<0.002
8/1/2024	0.0074	0.001 (J)						
8/2/2024							<0.002	
2/11/2025	<0.002	0.0079		<0.002	<0.002			
2/12/2025						<0.002	<0.002	
2/13/2025			<0.002					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.002	<0.002						
7/19/2016	<0.002							
7/20/2016		<0.002						
9/14/2016	<0.002	<0.002						
11/10/2016	<0.002	<0.002						
11/11/2016			<0.002					
1/20/2017		<0.002						
1/24/2017	<0.002							
2/6/2017			<0.002					
3/14/2017		<0.002						
3/15/2017	<0.002		<0.002					
4/11/2017			<0.002					
4/25/2017	<0.002	<0.002						
4/26/2017			<0.002					
6/7/2017			<0.002					
7/11/2017			<0.002					
8/9/2017	<0.002	<0.002						
8/10/2017			<0.002					
3/29/2018	<0.002		<0.002					
3/30/2018		<0.002						
2/26/2019		<0.002						
2/27/2019	<0.002							
2/28/2019			<0.002					
2/7/2020	<0.002	<0.002	<0.002					
2/3/2021			<0.002					
2/4/2021	<0.002	<0.002						
3/11/2021	<0.002	<0.002	<0.002					
8/25/2021	<0.002	<0.002						
8/26/2021			<0.002	<0.002	0.00076 (J)	<0.002	<0.002	<0.002
1/11/2022					<0.002	0.00078 (J)	0.0012 (J)	<0.002
1/12/2022				0.00066 (J)				
3/3/2022	<0.002		<0.002		0.00053 (J)			<0.002
3/4/2022		<0.002		0.0011 (J)		0.00082 (J)	0.0018 (J)	
6/6/2022					<0.002		0.0013 (J)	<0.002
6/7/2022				<0.002		0.00054 (J)		
8/16/2022		<0.002			0.00055 (J)			
8/17/2022	<0.002		0.00058 (J)				<0.002	
8/18/2022				<0.002				<0.002
8/19/2022						<0.002		
2/15/2023	<0.002					0.0012 (J)	0.0022	<0.002
2/16/2023		<0.002	<0.002	<0.002	<0.002			
8/11/2023				0.00069 (J)				
8/15/2023	<0.002							
8/16/2023		<0.002	<0.002					
8/17/2023					<0.002	<0.002	<0.002	<0.002
2/13/2024				0.00044 (J)				
2/14/2024						0.00076 (J)		<0.002
2/15/2024	<0.002	<0.002	<0.002		<0.002		<0.002	
7/30/2024	<0.002							
7/31/2024		<0.002	<0.002	<0.002			<0.002	<0.002
8/1/2024					<0.002			
8/2/2024						<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
2/11/2025		<0.002						
2/12/2025	<0.002			<0.002		<0.002		
2/13/2025			<0.002		<0.002		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
8/26/2021	<0.002					
1/11/2022	<0.002					
3/4/2022	<0.002					
6/7/2022	<0.002					
8/17/2022	<0.002					
10/19/2022		<0.002				
2/15/2023	<0.002					
2/16/2023		0.00047 (J)				
8/11/2023		0.0015 (J)				
8/15/2023	<0.002					
8/17/2023						0.00038 (J)
9/26/2023			0.00057 (J)			
2/14/2024			<0.002			
2/15/2024	<0.002	0.00056 (J)				<0.002
7/31/2024	<0.002					
8/1/2024		<0.002	<0.002			<0.002
2/12/2025	<0.002	<0.002	<0.002	<0.002	<0.002	
2/13/2025						<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.001	<0.001						<0.001
5/18/2016			<0.001	<0.001	<0.001	<0.001	<0.001	
7/19/2016	<0.001	<0.001			<0.001	<0.001	<0.001	0.00061 (J)
7/20/2016			<0.001	<0.001				
9/13/2016	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	0.00074 (J)
9/14/2016					0.00069 (J)			
11/9/2016	<0.001	<0.001				<0.001		<0.001
11/10/2016			<0.001	0.00078 (J)			<0.001	
1/17/2017	<0.001	0.00099 (J)						
1/18/2017			0.00086 (J)	0.0012 (J)		0.0008 (J)	0.001 (J)	
1/19/2017					<0.001			0.00079 (J)
3/13/2017	<0.001	<0.001						
3/14/2017			<0.001	<0.001	<0.001	<0.001	<0.001	0.0014
4/24/2017	<0.001	<0.001						
4/25/2017			<0.001	<0.001	<0.001	<0.001	<0.001	0.00062 (J)
8/8/2017	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
8/9/2017				<0.001	<0.001			
8/25/2017					<0.001			
3/27/2018	<0.001	<0.001						
3/28/2018			<0.001	<0.001	<0.001	<0.001	<0.001	0.00046 (J)
6/13/2018	0.001 (J)				<0.001	<0.001		0.00057 (J)
6/14/2018		0.0012 (J)	0.00087 (J)	0.0005 (J)			0.0005 (J)	
9/24/2018		<0.001						
9/27/2018	<0.001							
9/28/2018								<0.001
10/2/2018						<0.001		
10/3/2018			0.00069 (J)	<0.001	0.00085 (J)		<0.001	
2/25/2019	<0.001	<0.001						
2/26/2019			<0.001	0.00033 (J)	<0.001	<0.001	<0.001	0.00054 (J)
4/1/2019	<0.001	<0.001						
4/2/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019	<0.001				<0.001	0.00036 (J)		
9/17/2019		0.00033 (J)		0.00035 (J)				0.0004 (J)
9/18/2019			<0.001				<0.001	
2/3/2020	<0.001	<0.001						
2/4/2020			<0.001	0.00033 (J)	<0.001	<0.001		
2/5/2020							<0.001	0.00058 (J)
3/16/2020	0.00038 (J)	0.00043 (J)						
3/17/2020			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/21/2020		<0.001	<0.001	<0.001				
9/22/2020	<0.001				<0.001	<0.001	<0.001	<0.001
2/2/2021	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001
2/3/2021					<0.001	<0.001		
3/10/2021		0.00063 (J)	<0.001	0.00036 (J)	<0.001		<0.001	<0.001
3/11/2021	<0.001					<0.001		
8/23/2021		<0.001						
8/24/2021	<0.001			<0.001	<0.001	<0.001	<0.001	
8/25/2021			<0.001					<0.001
2/28/2022				<0.001				
3/1/2022	<0.001	<0.001	<0.001		<0.001	<0.001		
3/3/2022							<0.001	<0.001
8/15/2022	<0.001	<0.001			<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.001	<0.001			<0.001	<0.001
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2/15/2023				<0.001				
8/14/2023	<0.001	<0.001						
8/15/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	<0.001	<0.001	<0.001		0.00098 (J)	0.00097 (J)	0.00093 (J)
2/16/2024					<0.001			
7/30/2024	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/10/2025	<0.001	<0.001	<0.001					
2/11/2025				<0.001		<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.001					0.00345 (J)
5/19/2016	<0.001	<0.001		<0.001	<0.001	<0.001		
7/19/2016								0.0031
7/20/2016	0.00055 (J)	0.00078 (J)	<0.001	<0.001	<0.001	<0.001		
9/14/2016		<0.001	<0.001	<0.001	<0.001	<0.001		0.0024
9/15/2016	<0.001							
11/10/2016						<0.001		0.0023
11/11/2016			<0.001	<0.001	<0.001			
11/14/2016	<0.001							
1/24/2017								0.0019
1/27/2017				0.00047 (J)	<0.001	0.00066 (J)		
2/6/2017	<0.001		<0.001					
2/8/2017							<0.001	
2/9/2017		0.0017						
2/23/2017							<0.001	
3/14/2017								0.0016
3/15/2017	<0.001	0.00047 (J)	<0.001	<0.001	<0.001	<0.001		
3/17/2017							0.0006 (J)	
4/11/2017		<0.001					0.0032	
4/25/2017								0.0019
4/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0019	
5/17/2017							0.0014	
6/7/2017							0.0021	
7/11/2017							0.00095 (J)	
8/9/2017						<0.001		0.0017
8/10/2017	<0.001	<0.001	<0.001	<0.001	0.00048 (J)			
3/29/2018	<0.001	<0.001		<0.001	<0.001	0.00067 (J)	<0.001	
3/30/2018			<0.001					0.0018
6/14/2018	<0.001	<0.001	0.0005 (J)	<0.001	0.00052 (J)	0.00093 (J)	<0.001	0.002
10/3/2018								0.0024
10/4/2018	0.0015	<0.001	0.00089 (J)	0.00054 (J)	<0.001	0.0015	0.0017	
2/27/2019	0.00047 (J)		<0.001	<0.001	<0.001	0.00036 (J)	<0.001	0.0015
2/28/2019		<0.001						
4/3/2019	<0.001	<0.001		<0.001	<0.001	0.00053 (J)	<0.001	
4/4/2019			<0.001					0.0019
9/18/2019						0.00039 (J)	<0.001	0.0016
9/19/2019	0.00032 (J)	<0.001	0.00038 (J)	<0.001	<0.001			
2/5/2020		<0.001	0.00035 (J)	<0.001	<0.001	0.00048 (J)	<0.001	
2/7/2020	0.0011							0.001
3/18/2020			<0.001	<0.001	<0.001			0.00088 (J)
3/19/2020	0.00071 (J)	<0.001				0.00039 (J)	<0.001	
9/22/2020	0.0011							
9/23/2020		<0.001	<0.001		<0.001			0.00061 (J)
9/24/2020				0.00051 (J)		<0.001	<0.001	
2/3/2021	0.0013			<0.001	<0.001			
2/4/2021		<0.001	<0.001			0.00038 (J)	<0.001	0.00069 (J)
3/11/2021	0.0009 (J)		0.00031 (J)			0.00035 (J)	<0.001	
3/12/2021		<0.001		<0.001	<0.001			0.00084 (J)
8/25/2021				<0.001	<0.001	<0.001	<0.001	
8/26/2021	0.0013	<0.001	<0.001					0.0012
3/3/2022	0.0014	<0.001	<0.001	<0.001		<0.001	<0.001	0.00057 (J)
3/4/2022					0.00037 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	0.00097 (J)			<0.001				
8/17/2022		<0.001						0.00052 (J)
8/18/2022					<0.001	0.00034 (J)		
8/19/2022			<0.001				<0.001	
2/15/2023		<0.001						<0.001
2/16/2023	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
8/15/2023	0.00087 (J)							
8/16/2023		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2023			<0.001					
2/13/2024	0.0017							
2/14/2024		<0.001			0.001			
2/15/2024			<0.001			<0.001	<0.001	<0.001
2/16/2024				<0.001				
7/31/2024			<0.001	<0.001	<0.001	<0.001		<0.001
8/1/2024	0.0016	<0.001						
8/2/2024							<0.001	
2/11/2025	0.0012	<0.001		<0.001	<0.001			
2/12/2025						<0.001	<0.001	
2/13/2025			<0.001					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.001	<0.001						
7/19/2016	0.0009 (J)							
7/20/2016		0.00058 (J)						
9/14/2016	0.0014	<0.001						
11/10/2016	0.0021	0.00082 (J)						
11/11/2016			<0.001					
1/20/2017		<0.001						
1/24/2017	0.0015							
2/6/2017			<0.001					
3/14/2017		<0.001						
3/15/2017	0.0014		<0.001					
4/11/2017			<0.001					
4/25/2017	0.0014	0.00095 (J)						
4/26/2017			<0.001					
6/7/2017			<0.001					
7/11/2017			<0.001					
8/9/2017	0.0013	<0.001						
8/10/2017			<0.001					
3/29/2018	0.0014		<0.001					
3/30/2018		<0.001						
6/14/2018	<0.001	0.00076 (J)	<0.001					
10/4/2018	0.0013	0.00088 (J)	<0.001					
2/26/2019		0.0005 (J)						
2/27/2019	0.00046 (J)							
2/28/2019			<0.001					
4/2/2019			<0.001					
4/4/2019	<0.001	<0.001						
9/18/2019	<0.001	<0.001	<0.001					
2/7/2020	<0.001	0.00075 (J)	<0.001					
3/18/2020	<0.001	0.00054 (J)						
5/4/2020			<0.001					
9/23/2020	<0.001	0.00067 (J)	<0.001					
2/3/2021			<0.001					
2/4/2021	<0.001	0.00035 (J)						
3/11/2021	<0.001	<0.001	<0.001					
8/25/2021	<0.001	<0.001						
8/26/2021			<0.001	0.00031 (J)	0.00057 (J)	<0.001	<0.001	0.0033
1/11/2022					0.00036 (J)	<0.001	<0.001	0.0017
1/12/2022				0.00052 (J)				
3/3/2022	<0.001		<0.001		0.00053 (J)			0.0029
3/4/2022		<0.001		0.00078 (J)		0.00046 (J)	<0.001	
6/6/2022					0.00083 (J)		<0.001	0.00054 (J)
6/7/2022				0.00033 (J)		0.00029 (J)		
8/16/2022		<0.001			0.00028 (J)			
8/17/2022	<0.001		<0.001				<0.001	
8/18/2022				<0.001				0.00028 (J)
8/19/2022						<0.001		
2/15/2023	<0.001					<0.001	<0.001	<0.001
2/16/2023		<0.001	<0.001	<0.001	<0.001			
8/11/2023				<0.001				
8/15/2023	<0.001							
8/16/2023		<0.001	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					<0.001	<0.001	<0.001	<0.001
2/13/2024				0.001				
2/14/2024						0.0011		0.0012
2/15/2024	<0.001	<0.001	<0.001		<0.001		<0.001	
7/30/2024	<0.001							
7/31/2024		<0.001	<0.001	0.0012			<0.001	<0.001
8/1/2024					<0.001			
8/2/2024						<0.001		
2/11/2025		<0.001						
2/12/2025	<0.001			<0.001		<0.001		
2/13/2025			<0.001		<0.001		<0.001	<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					0.00066 (J)	
10/18/2018				0.00052 (J)		
8/26/2021	<0.001					
1/11/2022	<0.001					
3/4/2022	<0.001					
6/7/2022	<0.001					
8/17/2022	<0.001					
10/19/2022		<0.001				
2/15/2023	<0.001					
2/16/2023		<0.001				
8/11/2023		<0.001				
8/15/2023	<0.001					
8/17/2023						<0.001
9/26/2023			0.0013			
2/14/2024			0.0022			
2/15/2024	0.00096 (J)	<0.001				<0.001
7/31/2024	<0.001					
8/1/2024		<0.001	0.0025			<0.001
2/12/2025	<0.001	<0.001	<0.001	<0.001	<0.001	
2/13/2025						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	0.041	0.0308						0.0221
5/18/2016			0.0174	0.00723 (J)	0.0198	0.00518 (J)	0.0114	
7/19/2016	0.038	0.022			0.015	0.0049	0.012	0.018
7/20/2016			0.012	0.0051				
9/13/2016	0.029	0.021	0.013	0.0058		0.006	0.011	0.021
9/14/2016					0.062			
11/9/2016	0.041	0.025				0.0066		0.011
11/10/2016			0.013	0.0063			0.016	
1/17/2017	0.044	0.017						
1/18/2017			0.014	0.0059		0.007	0.013	
1/19/2017					0.034			0.012
3/13/2017	0.042	0.019						
3/14/2017			0.014	0.0058	0.018	0.014	0.01	0.017
4/24/2017	0.039	0.019						
4/25/2017			0.015	0.0056	0.018	0.0062	0.012	0.017
8/8/2017	0.044	0.022	0.015			0.0065	0.012	0.021
8/9/2017				0.0056	0.016			
8/25/2017					0.015			
3/27/2018	0.041	0.021						
3/28/2018			0.014	0.0052	0.015	0.0059	0.01	0.019
6/13/2018	0.045				0.016	0.0067		0.013
6/14/2018		0.02	0.013	0.0057			0.012	
9/24/2018		0.02						
9/27/2018	0.047							
9/28/2018								0.014
10/2/2018						0.0066		
10/3/2018			0.014	0.0054	0.016		0.011	
2/25/2019	0.049	0.027						
2/26/2019			0.014	0.012	0.02	0.011	0.013	0.015
4/1/2019	0.044	0.027						
4/2/2019			0.014	0.0056	0.016	0.0069	0.011	0.014
9/16/2019	0.05				0.027	0.0073 (J)		
9/17/2019		0.024		0.0063 (J)				0.013
9/18/2019			0.013				0.012	
2/3/2020	0.053	0.045						
2/4/2020			0.019	0.0087 (J)	0.022	0.013		
2/5/2020							0.012	0.02
3/16/2020	0.046	0.026						
3/17/2020			0.013	0.0059 (J)	0.017	0.0081 (J)	0.012	0.013
9/21/2020		0.024	0.015	0.006 (J)				
9/22/2020	0.048				0.032	0.0079 (J)	0.013	0.015
2/2/2021	0.05	0.025	0.015	0.006 (J)			0.012	0.017
2/3/2021					0.015	0.0079 (J)		
3/10/2021		0.024	0.014	0.0057 (J)	0.016		0.011	0.016
3/11/2021	0.046					0.0077 (J)		
8/23/2021		0.023						
8/24/2021	0.049			0.0055 (J)	0.028	0.0074 (J)	0.012	
8/25/2021			0.014					0.015
2/28/2022				0.0053 (J)				
3/1/2022	0.047	0.02	0.014		0.017	0.0071 (J)		
3/3/2022							0.012	0.013
8/15/2022	0.045	0.022			0.029	0.0069 (J)		

Time Series

Constituent: Barium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			0.014	0.0062 (J)			0.011	0.012
2/14/2023	0.05	0.022	0.015		0.018	0.0078 (J)	0.011	0.013
2/15/2023				0.0058 (J)				
8/14/2023	0.05	0.025						
8/15/2023			0.014	0.0055 (J)	0.016	0.0072 (J)	0.013	0.016
2/13/2024	0.047	0.025	0.014	0.0062 (J)		0.0076 (J)	0.0099 (J)	0.013
2/16/2024					0.014			
7/30/2024	0.052	0.031	0.016	0.0069 (J)		0.0086 (J)	0.013	0.02
2/10/2025	0.049	0.023	0.014					
2/11/2025				0.0086 (J)		0.0091 (J)	0.011	0.014

Time Series

Constituent: Barium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			0.0391					0.0206
5/19/2016	0.0026 (J)	<0.01		0.031	0.0214	0.055		
7/19/2016								0.019
7/20/2016	0.0017 (J)	0.0014 (J)	0.028	0.029	0.019	0.039		
9/14/2016		0.00092 (J)	0.035	0.031	0.02	0.04		0.02
9/15/2016	0.0039							
11/10/2016						0.04		0.02
11/11/2016			0.042	0.034	0.022			
11/14/2016	0.00085 (J)							
1/24/2017								0.017
1/27/2017				0.042	0.023	0.042		
2/6/2017	0.0011 (J)		0.041					
2/8/2017							0.037	
2/9/2017		0.0015 (J)						
2/23/2017							0.051	
3/14/2017								0.018
3/15/2017	0.0013 (J)	0.00054 (J)	0.04	0.032	0.024	0.058		
3/17/2017							0.046	
4/11/2017		0.0007 (J)					0.055	
4/25/2017								0.018
4/26/2017	0.00098 (J)	<0.01	0.039	0.03	0.004	0.054	0.042	
5/17/2017							0.052	
6/7/2017							0.06	
7/11/2017							0.038	
8/9/2017						0.055		0.02
8/10/2017	0.0025	0.00053 (J)	0.038	0.03	0.017			
3/29/2018	0.00085 (J)	<0.01		0.028	0.017	0.061	0.028	
3/30/2018			0.042					0.021
6/14/2018	0.0028	0.00088 (J)	0.038	0.03	0.015	0.055	0.023	0.022
10/3/2018								0.024
10/4/2018	0.0017 (J)	0.00076 (J)	0.04	0.035	0.017	0.046	0.036	
2/27/2019	<0.01		0.04	0.04	0.016	0.054	0.028	0.023
2/28/2019		0.0023 (J)						
4/3/2019	0.001 (J)	<0.01		0.035	0.015	0.056	0.026	
4/4/2019			0.04					0.022
9/18/2019						0.062	0.025	0.026
9/19/2019	<0.01	0.0018 (J)	0.038	0.033	0.016			
2/5/2020		0.0022 (J)	0.061	0.047	0.016	0.052	0.077	
2/7/2020	<0.01							0.022
3/18/2020			0.035	0.038	0.016			0.021
3/19/2020	<0.01	0.0021 (J)				0.072	0.031	
9/22/2020	<0.01							
9/23/2020		<0.01	0.035		0.016			0.027
9/24/2020				0.061		0.038	0.034	
2/3/2021	<0.01			0.039	0.015			
2/4/2021		0.0016 (J)	0.035			0.047	0.029	0.028
3/11/2021	<0.01		0.033			0.049	0.032	
3/12/2021		<0.01		0.045	0.017			0.028
8/25/2021				0.04	0.016	0.046	0.03	
8/26/2021	<0.01	<0.01	0.032					0.029
3/3/2022	<0.01	<0.01	0.033	0.04		0.045	0.029	0.029
3/4/2022					0.016			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	0.0014 (J)			0.038				
8/17/2022		<0.01						0.027
8/18/2022					0.014	0.041		
8/19/2022			0.03				0.026	
2/15/2023		<0.01						0.029
2/16/2023	0.00093 (J)		0.032	0.041	0.014	0.037	0.028	
8/15/2023	0.0019 (J)							
8/16/2023		<0.01		0.044	0.017	0.042	0.026	0.03
8/17/2023			0.036					
2/13/2024	0.0014 (J)							
2/14/2024		<0.01			0.017			
2/15/2024			0.034			0.037	0.027	0.031
2/16/2024				0.042				
7/31/2024			0.034	0.05	0.016	0.045		0.033
8/1/2024	0.0021 (J)	<0.01						
8/2/2024							0.027	
2/11/2025	0.0015 (J)	0.0018 (J)		0.053	0.018			
2/12/2025						0.04	0.027	
2/13/2025			0.032					0.033

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	0.0715	0.0219						
7/19/2016	0.069							
7/20/2016		0.019						
9/14/2016	0.066	0.017						
11/10/2016	0.069	0.02						
11/11/2016			0.0022 (J)					
1/20/2017		0.018						
1/24/2017	0.068							
2/6/2017			0.0018 (J)					
3/14/2017		0.019						
3/15/2017	0.065		0.0015 (J)					
4/11/2017			0.0014 (J)					
4/25/2017	0.057	0.023						
4/26/2017			0.0014 (J)					
6/7/2017			0.0014 (J)					
7/11/2017			0.0013 (J)					
8/9/2017	0.069	0.017						
8/10/2017			0.0012 (J)					
3/29/2018	0.05		0.00097 (J)					
3/30/2018		0.015						
6/14/2018	0.046	0.013	0.0011 (J)					
10/4/2018	0.046	0.013	0.0012 (J)					
2/26/2019		0.012						
2/27/2019	0.028							
2/28/2019			<0.01					
4/2/2019			0.0013 (J)					
4/4/2019	0.027	0.011						
9/18/2019	0.032	0.011	<0.01					
2/7/2020	0.034	0.011	0.0065 (J)					
3/18/2020	0.034	0.012						
5/4/2020			<0.01					
9/23/2020	0.037	0.012	<0.01					
2/3/2021			<0.01					
2/4/2021	0.039	0.012						
3/11/2021	0.037	0.011	<0.01					
8/25/2021	0.035	0.011						
8/26/2021			<0.01	<0.01	0.0086 (J)	0.031	0.0078 (J)	0.042
1/11/2022					0.0076 (J)	0.04	0.0072 (J)	0.029
1/12/2022				<0.01				
3/3/2022	0.041		<0.01		0.0068 (J)			0.028
3/4/2022		0.011		<0.01		0.038	0.0081 (J)	
6/6/2022					0.0079 (J)		0.0097 (J)	0.032
6/7/2022				<0.01		0.025		
8/16/2022		0.011			0.0039 (J)			
8/17/2022	0.032		0.0012 (J)				0.0089 (J)	
8/18/2022				0.00091 (J)				0.041
8/19/2022						0.023		
2/15/2023	0.044					0.033	0.0055 (J)	0.036
2/16/2023		0.01	0.00096 (J)	<0.01	0.0053 (J)			
8/11/2023				<0.01				
8/15/2023	0.039							
8/16/2023		0.012	0.0014 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					0.0044 (J)	0.021	0.01	0.046
2/13/2024				<0.01				
2/14/2024						0.041		0.052
2/15/2024	0.045	0.011	0.0012 (J)		0.0064 (J)		0.005 (J)	
7/30/2024	0.043							
7/31/2024		0.012	0.001 (J)	<0.01			0.011	0.047
8/1/2024					0.0047 (J)			
8/2/2024						0.021		
2/11/2025		0.012						
2/12/2025	0.04			<0.01		0.022		
2/13/2025			0.0077 (J)		0.0038 (J)		0.015	0.051

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					0.0069	
10/18/2018				0.005		
8/26/2021	0.41					
1/11/2022	0.38					
3/4/2022	0.38					
6/7/2022	0.34					
8/17/2022	0.31					
10/19/2022		0.0036 (J)				
2/15/2023	0.33					
2/16/2023		0.0049 (J)				
8/11/2023		0.0047 (J)				
8/15/2023	0.19					
8/17/2023						0.024
9/26/2023			0.016			
2/14/2024			0.017			
2/15/2024	0.14	0.004 (J)				0.021
7/31/2024	0.23					
8/1/2024		0.0042 (J)	0.011			0.024
2/12/2025	0.19	0.0034 (J)	0.011	0.041	0.0093 (J)	
2/13/2025						0.017

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.0025	<0.0025						<0.0025
5/18/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/19/2016	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
7/20/2016			<0.0025	<0.0025				
9/13/2016	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
9/14/2016					<0.0025			
11/9/2016	<0.0025	<0.0025				<0.0025		<0.0025
11/10/2016			<0.0025	<0.0025			<0.0025	
1/17/2017	<0.0025	<0.0025						
1/18/2017			<0.0025	<0.0025		<0.0025	<0.0025	
1/19/2017					<0.0025			<0.0025
3/13/2017	<0.0025	<0.0025						
3/14/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025						
4/25/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/8/2017	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
8/9/2017				<0.0025	<0.0025			
8/25/2017					<0.0025			
3/27/2018	<0.0025	<0.0025						
3/28/2018			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/13/2018	<0.0025				<0.0025	<0.0025		<0.0025
6/14/2018		<0.0025	<0.0025	<0.0025			<0.0025	
9/24/2018		<0.0025						
9/27/2018	<0.0025							
9/28/2018								<0.0025
10/2/2018						<0.0025		
10/3/2018			<0.0025	<0.0025	<0.0025		<0.0025	
2/25/2019	<0.0025	<0.0025						
2/26/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2019	<0.0025	<0.0025						
4/2/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2019	0.00032 (J)				0.00036 (J)	0.0011		
9/17/2019		0.00019 (J)		<0.0025				<0.0025
9/18/2019			<0.0025				<0.0025	
2/3/2020	<0.0025	<0.0025						
2/4/2020			<0.0025	<0.0025	<0.0025	<0.0025		
2/5/2020							0.00041 (J)	<0.0025
3/16/2020	0.00071 (J)	0.00076 (J)						
3/17/2020			0.00021 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/21/2020		<0.0025	<0.0025	<0.0025				
9/22/2020	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
2/2/2021	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025
2/3/2021					<0.0025	<0.0025		
3/10/2021		0.00065 (J)	0.00019 (J)	<0.0025	<0.0025		<0.0025	<0.0025
3/11/2021	0.00029 (J)					<0.0025		
8/23/2021		<0.0025						
8/24/2021	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025	
8/25/2021			<0.0025					<0.0025
2/28/2022				<0.0025				
3/1/2022	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025		
3/3/2022							<0.0025	<0.0025
8/15/2022	<0.0025	<0.0025			<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.0025	<0.0025			<0.0025	<0.0025
2/14/2023	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
2/15/2023				<0.0025				
8/14/2023	<0.0025	<0.0025						
8/15/2023			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/13/2024	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/16/2024					<0.0025			
7/30/2024	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/10/2025	<0.0025	<0.0025	<0.0025					
2/11/2025				<0.0025		<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.0025					<0.0025
5/19/2016	0.00102 (J)	<0.0025		<0.0025	<0.0025	<0.0025		
7/19/2016								<0.0025
7/20/2016	0.0014 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
9/14/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
9/15/2016	0.00093 (J)							
11/10/2016						<0.0025		<0.0025
11/11/2016			<0.0025	<0.0025	<0.0025			
11/14/2016	0.0014 (J)							
1/24/2017								<0.0025
1/27/2017				<0.0025	<0.0025	<0.0025		
2/6/2017	0.0017 (J)		<0.0025					
2/8/2017							<0.0025	
2/9/2017		0.00041 (J)						
2/23/2017							<0.0025	
3/14/2017								<0.0025
3/15/2017	0.0016 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/17/2017							<0.0025	
4/11/2017		<0.0025					<0.0025	
4/25/2017								<0.0025
4/26/2017	0.0017 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
5/17/2017							<0.0025	
6/7/2017							<0.0025	
7/11/2017							<0.0025	
8/9/2017						<0.0025		<0.0025
8/10/2017	0.0017 (J)	0.00034 (J)	<0.0025	<0.0025	<0.0025			
3/29/2018	0.0018 (J)	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
3/30/2018			<0.0025					<0.0025
6/14/2018	0.0015 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/3/2018								<0.0025
10/4/2018	0.0019 (J)	0.00036 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
2/27/2019	0.0021 (J)		<0.0025	<0.0025	<0.0025	<0.0025	0.00017 (J)	<0.0025
2/28/2019		0.00031 (J)						
4/3/2019	0.0019 (J)	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
4/4/2019			<0.0025					<0.0025
9/18/2019						<0.0025	0.00032 (J)	<0.0025
9/19/2019	0.0019	0.00041 (J)	<0.0025	<0.0025	<0.0025			
2/5/2020		0.0004 (J)	<0.0025	<0.0025	<0.0025	<0.0025	0.00024 (J)	
2/7/2020	0.0023							<0.0025
3/18/2020			<0.0025	<0.0025	<0.0025			<0.0025
3/19/2020	0.0028	0.00056 (J)				<0.0025	0.00025 (J)	
9/22/2020	0.0025							
9/23/2020		0.00034 (J)	<0.0025		<0.0025			<0.0025
9/24/2020				<0.0025		<0.0025	0.00024 (J)	
2/3/2021	0.0025			<0.0025	<0.0025			
2/4/2021		0.00039 (J)	<0.0025			<0.0025	0.00026 (J)	<0.0025
3/11/2021	0.0022 (J)		<0.0025			<0.0025	<0.0025	
3/12/2021		0.00034 (J)		<0.0025	<0.0025			<0.0025
8/25/2021				<0.0025	<0.0025	<0.0025	<0.0025	
8/26/2021	0.002 (J)	0.00038 (J)	<0.0025					<0.0025
3/3/2022	0.0027	0.00036 (J)	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
3/4/2022					<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	0.0018 (J)			<0.0025				
8/17/2022		0.00033 (J)						<0.0025
8/18/2022					<0.0025	<0.0025		
8/19/2022			<0.0025				<0.0025	
2/15/2023		0.00044 (J)						<0.0025
2/16/2023	0.0025		<0.0025	<0.0025	<0.0025	<0.0025	0.00031 (J)	
8/15/2023	0.0024 (J)							
8/16/2023		0.0004 (J)		<0.0025	<0.0025	<0.0025	0.00023 (J)	<0.0025
8/17/2023			<0.0025					
2/13/2024	0.0027							
2/14/2024		0.00037 (J)			<0.0025			
2/15/2024			<0.0025			<0.0025	0.00026 (J)	<0.0025
2/16/2024				<0.0025				
7/31/2024			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
8/1/2024	0.0023 (J)	0.0004 (J)						
8/2/2024							0.00025 (J)	
2/11/2025	0.0027	0.00035 (J)		<0.0025	<0.0025			
2/12/2025						<0.0025	0.00027 (J)	
2/13/2025			<0.0025					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.0025	<0.0025						
7/19/2016	<0.0025							
7/20/2016		<0.0025						
9/14/2016	<0.0025	<0.0025						
11/10/2016	<0.0025	<0.0025						
11/11/2016			<0.0025					
1/20/2017		<0.0025						
1/24/2017	<0.0025							
2/6/2017			<0.0025					
3/14/2017		<0.0025						
3/15/2017	<0.0025		<0.0025					
4/11/2017			<0.0025					
4/25/2017	<0.0025	<0.0025						
4/26/2017			<0.0025					
6/7/2017			<0.0025					
7/11/2017			<0.0025					
8/9/2017	<0.0025	<0.0025						
8/10/2017			<0.0025					
3/29/2018	<0.0025		<0.0025					
3/30/2018		<0.0025						
6/14/2018	<0.0025	<0.0025	<0.0025					
10/4/2018	<0.0025	<0.0025	<0.0025					
2/26/2019		<0.0025						
2/27/2019	0.00022 (J)							
2/28/2019			<0.0025					
4/2/2019			<0.0025					
4/4/2019	<0.0025	<0.0025						
9/18/2019	<0.0025	<0.0025	<0.0025					
2/7/2020	<0.0025	<0.0025	<0.0025					
3/18/2020	<0.0025	<0.0025						
5/4/2020			<0.0025					
9/23/2020	<0.0025	<0.0025	<0.0025					
2/3/2021			<0.0025					
2/4/2021	<0.0025	<0.0025						
3/11/2021	<0.0025	<0.0025	<0.0025					
8/25/2021	<0.0025	<0.0025						
8/26/2021			<0.0025	0.0081	<0.0025	0.00053 (J)	0.00089 (J)	0.014
1/11/2022					<0.0025	0.00057 (J)	0.0012 (J)	0.014
1/12/2022				0.012				
3/3/2022	<0.0025		<0.0025		<0.0025			0.01
3/4/2022		<0.0025		0.01		0.00066 (J)	0.00097 (J)	
6/6/2022					<0.0025		0.0011 (J)	0.0062
6/7/2022				0.0089		0.00055 (J)		
8/16/2022		<0.0025			0.00022 (J)			
8/17/2022	<0.0025		<0.0025				0.00078 (J)	
8/18/2022				0.0081				0.0044
8/19/2022						0.00063 (J)		
2/15/2023	<0.0025					0.00067 (J)	0.0012 (J)	0.0099
2/16/2023		<0.0025	<0.0025	0.011	<0.0025			
8/11/2023				0.0099				
8/15/2023	<0.0025							
8/16/2023		<0.0025	<0.0025					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					0.00021 (J)	0.0006 (J)	0.0013 (J)	0.0049
2/13/2024				0.012				
2/14/2024						0.00044 (J)		0.0065
2/15/2024	<0.0025	<0.0025	<0.0025		0.00021 (J)		0.0013 (J)	
7/30/2024	<0.0025							
7/31/2024		<0.0025	<0.0025	0.011			0.0012 (J)	0.0042
8/1/2024					0.00025 (J)			
8/2/2024						0.00064 (J)		
2/11/2025		<0.0025						
2/12/2025	<0.0025			0.011		0.00061 (J)		
2/13/2025			<0.0025		0.00033 (J)		0.0016 (J)	0.0055

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.0025	
10/18/2018				<0.0025		
8/26/2021	0.00028 (J)					
1/11/2022	0.0002 (J)					
3/4/2022	<0.0025					
6/7/2022	0.0003 (J)					
8/17/2022	0.00022 (J)					
10/19/2022		0.00054 (J)				
2/15/2023	0.00026 (J)					
2/16/2023		0.00046 (J)				
8/11/2023		0.00052 (J)				
8/15/2023	<0.0025					
8/17/2023						<0.0025
9/26/2023			0.00073 (J)			
2/14/2024			0.0019 (J)			
2/15/2024	<0.0025	0.0012 (J)				<0.0025
7/31/2024	<0.0025					
8/1/2024		0.0013 (J)	0.0017 (J)			<0.0025
2/12/2025	<0.0025	0.0011 (J)	0.002 (J)	<0.0025	<0.0025	
2/13/2025						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.08	<0.08						<0.08
5/18/2016			<0.08	<0.08	<0.08	<0.08	<0.08	
7/19/2016	<0.08	<0.08			<0.08	<0.08	<0.08	<0.08
7/20/2016			<0.08	<0.08				
9/13/2016	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
9/14/2016					<0.08			
11/9/2016	<0.08	<0.08				<0.08		<0.08
11/10/2016			<0.08	<0.08			<0.08	
1/17/2017	<0.08	<0.08						
1/18/2017			<0.08	<0.08		<0.08	<0.08	
1/19/2017					<0.08			<0.08
3/13/2017	<0.08	<0.08						
3/14/2017			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
4/24/2017	<0.08	<0.08						
4/25/2017			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
8/8/2017	<0.08	<0.08	<0.08			<0.08	<0.08	<0.08
8/9/2017				<0.08	<0.08			
8/25/2017					<0.08			
10/10/2017	<0.08	<0.08						
10/11/2017			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
6/13/2018	<0.08				<0.08	<0.08		<0.08
6/14/2018		<0.08	<0.08	<0.08			<0.08	
9/24/2018		<0.08						
9/27/2018	<0.08							
9/28/2018								<0.08
10/2/2018						<0.08		
10/3/2018			<0.08	<0.08	<0.08		<0.08	
4/1/2019	<0.08	<0.08						
4/2/2019			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/16/2019	<0.08				<0.08	<0.08		
9/17/2019		<0.08		<0.08				<0.08
9/18/2019			<0.08				<0.08	
3/16/2020	<0.08	0.048 (J)						
3/17/2020			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/21/2020		<0.08	<0.08	<0.08				
9/22/2020	<0.08				<0.08	<0.08	<0.08	<0.08
3/10/2021		0.039 (J)	<0.08	<0.08	<0.08		<0.08	<0.08
3/11/2021	<0.08					<0.08		
8/23/2021		<0.08						
8/24/2021	<0.08			<0.08	<0.08	<0.08	<0.08	
8/25/2021			<0.08					0.1
2/28/2022				<0.08				
3/1/2022	<0.08	<0.08	<0.08		<0.08	<0.08		
3/3/2022							<0.08	0.1
8/15/2022	<0.08	0.066 (J)			<0.08	<0.08		
8/16/2022			<0.08	<0.08			<0.08	<0.08
2/14/2023	0.026 (J)	0.023 (J)	<0.08		0.03 (J)	<0.08	0.033 (J)	<0.08
2/15/2023				<0.08				
8/14/2023	<0.08	<0.08						
8/15/2023			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
2/13/2024	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
2/16/2024					<0.08			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
7/30/2024	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
2/10/2025	<0.08	<0.08	<0.08					
2/11/2025				<0.08		<0.08	<0.08	<0.08

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.08					<0.08
5/19/2016	1.42	0.314		<0.08	<0.08	0.0252 (J)		
7/19/2016								<0.08
7/20/2016	1.4	0.25	<0.08	<0.08	<0.08	<0.08		
9/14/2016		0.3	<0.08	<0.08	<0.08	<0.08		<0.08
9/15/2016	1.2							
11/10/2016						<0.08		<0.08
11/11/2016			<0.08	<0.08	<0.08			
11/14/2016	1.3							
1/24/2017								<0.08
1/27/2017				0.021 (J)	0.047 (J)	0.033 (J)		
2/6/2017	1.8		<0.08					
2/8/2017							<0.08	
2/9/2017		0.61						
2/23/2017							<0.08	
3/14/2017								<0.08
3/15/2017	1.7	0.42	0.032 (J)	0.058	0.024 (J)	<0.08		
3/17/2017							<0.08	
4/11/2017		0.37					<0.08	
4/25/2017								<0.08
4/26/2017	2	0.38	<0.08	<0.08	<0.08	<0.08	<0.08	
5/17/2017							<0.08	
6/7/2017							<0.08	
7/11/2017							<0.08	
8/9/2017						<0.08		<0.08
8/10/2017	1.8	0.29	<0.08	<0.08	<0.08			
10/11/2017							<0.08	<0.08
10/12/2017	1.8	0.36	<0.08	<0.08	<0.08	<0.08		
6/14/2018	1.7	0.39	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
10/3/2018								<0.08
10/4/2018	1.9	0.37	<0.08	<0.08	<0.08	<0.08	<0.08	
4/3/2019	1.7	0.35		<0.08	<0.08	<0.08	<0.08	
4/4/2019			0.024 (J)					<0.08
9/18/2019						<0.08	<0.08	<0.08
9/19/2019	1.7	0.39	<0.08	<0.08	<0.08			
3/18/2020			0.049 (J)	<0.08	0.039 (J)			0.071 (J)
3/19/2020	2.2	0.55				0.053 (J)	0.039 (J)	
9/22/2020	2.5							
9/23/2020		0.68	<0.08		<0.08			<0.08
9/24/2020				<0.08		<0.08	<0.08	
3/11/2021	2.4		<0.08			<0.08	<0.08	
3/12/2021		0.64		<0.08	<0.08			<0.08
8/25/2021				<0.08	<0.08	0.063 (J)	0.043 (J)	
8/26/2021	2.4	0.56	<0.08					<0.08
3/3/2022	2.7	0.62	<0.08	<0.08		<0.08	<0.08	<0.08
3/4/2022					<0.08			
8/16/2022	2.3			<0.08				
8/17/2022		0.55						<0.08
8/18/2022					<0.08	<0.08		
8/19/2022			<0.08				<0.08	
2/15/2023		0.69						<0.08
2/16/2023	2.8		0.04 (J)	<0.08	0.024 (J)	0.033 (J)	0.03 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/15/2023	2.8							
8/16/2023		0.6		<0.08	<0.08	<0.08	<0.08	<0.08
8/17/2023			0.031 (J)					
2/13/2024	3							
2/14/2024		0.56			<0.08			
2/15/2024			<0.08			<0.08	<0.08	<0.08
2/16/2024				<0.08				
7/31/2024			<0.08	<0.08	0.025 (J)	<0.08		<0.08
8/1/2024	2.8	0.61						
8/2/2024							<0.08	
2/11/2025	3.6	0.58		<0.08	<0.08			
2/12/2025						<0.08	0.027 (J)	
2/13/2025			<0.08					<0.08

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	4.48	<0.08						
7/19/2016	4.7							
7/20/2016		<0.08						
9/14/2016	5.8	<0.08						
11/10/2016	6.7	<0.08						
11/11/2016			<0.08					
1/20/2017		<0.08						
1/24/2017	6.3							
2/6/2017			<0.08					
3/14/2017		<0.08						
3/15/2017	5.9		0.034 (J)					
4/11/2017			<0.08					
4/25/2017	6.2	<0.08						
4/26/2017			<0.08					
6/7/2017			<0.08					
7/11/2017			<0.08					
8/9/2017	6.3	<0.08						
8/10/2017			<0.08					
10/11/2017	6.8	<0.08						
10/12/2017			<0.08					
6/14/2018	5.4	<0.08	<0.08					
10/4/2018	5.5	<0.08	<0.08					
4/2/2019			<0.08					
4/4/2019	3.2	0.049 (J)						
9/18/2019	2.1	<0.08	<0.08					
3/18/2020	2	0.049 (J)						
5/4/2020			<0.08					
9/23/2020	1.5	<0.08	<0.08					
3/8/2021				1.3				
3/9/2021					0.19	0.33	0.073 (J)	1.8
3/11/2021	1.1	<0.08	<0.08					
4/7/2021					0.13		<0.08	1.9
4/8/2021				0.98		0.21		
8/25/2021	0.89	<0.08						
8/26/2021			<0.08	2.1	0.087	0.36	0.052 (J)	2.1
1/11/2022					0.12	0.39	0.048 (J)	1.7
1/12/2022				4.9				
3/3/2022	0.79		<0.08		0.12			1.6
3/4/2022		<0.08		4.3		0.41	<0.08	
6/6/2022					0.13		<0.08	0.64
6/7/2022				2.8		0.39		
8/16/2022		<0.08			0.099			
8/17/2022	0.73		<0.08				<0.08	
8/18/2022				2.2				0.44
8/19/2022						0.33		
2/15/2023	0.86					0.39	0.049 (J)	1.4
2/16/2023		<0.08	<0.08	3.5	0.14			
8/11/2023				3.1				
8/15/2023	0.81							
8/16/2023		<0.08	<0.08					
8/17/2023					0.12	0.33	<0.08	0.59
2/13/2024				5.6				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
2/14/2024						0.33		1
2/15/2024	0.74	0.027 (J)	<0.08		0.14		<0.08	
7/30/2024	0.66							
7/31/2024		0.055 (J)	<0.08	5.7			0.076 (J)	0.54
8/1/2024					0.11			
8/2/2024						0.31		
2/11/2025		<0.08						
2/12/2025	0.56			7.4		0.32		
2/13/2025			<0.08		0.12		0.024 (J)	0.94

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.08	
10/18/2018				<0.08		
3/8/2021	0.48					
3/9/2021						0.22
4/7/2021						0.15
4/8/2021	0.43					
8/26/2021	0.7					
1/11/2022	0.87					
3/4/2022	0.72					
6/7/2022	0.78					
8/17/2022	0.82					
10/19/2022		0.098				
2/15/2023	0.89					
2/16/2023		0.22				
8/11/2023		0.35				
8/15/2023	0.57					
8/17/2023						0.08
9/26/2023			4.4			
11/7/2023			4.4			
2/14/2024			9.3			
2/15/2024	0.29	0.26				0.072 (J)
7/31/2024	0.76					
8/1/2024		0.22	8.5			0.077 (J)
12/9/2024					<0.08	
1/8/2025				<0.08		
2/12/2025	0.36	0.19	9.9	0.58	<0.08	
2/13/2025						0.078 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.0025	<0.0025						<0.0025
5/18/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/19/2016	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
7/20/2016			<0.0025	<0.0025				
9/13/2016	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
9/14/2016					<0.0025			
11/9/2016	<0.0025	<0.0025				<0.0025		<0.0025
11/10/2016			<0.0025	<0.0025			<0.0025	
1/17/2017	<0.0025	<0.0025						
1/18/2017			<0.0025	<0.0025		<0.0025	<0.0025	
1/19/2017					<0.0025			<0.0025
3/13/2017	<0.0025	<0.0025						
3/14/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025						
4/25/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/8/2017	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
8/9/2017				<0.0025	<0.0025			
8/25/2017					<0.0025			
3/27/2018	<0.0025	<0.0025						
3/28/2018			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/13/2018	<0.0025				<0.0025	<0.0025		<0.0025
6/14/2018		<0.0025	<0.0025	<0.0025			<0.0025	
9/24/2018		<0.0025						
9/27/2018	<0.0025							
9/28/2018								<0.0025
10/2/2018						<0.0025		
10/3/2018			<0.0025	<0.0025	<0.0025		<0.0025	
2/25/2019	<0.0025	<0.0025						
2/26/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2019	<0.0025	<0.0025						
4/2/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2019	<0.0025				<0.0025	<0.0025		
9/17/2019		<0.0025		<0.0025				<0.0025
9/18/2019			<0.0025				<0.0025	
2/3/2020	<0.0025	<0.0025						
2/4/2020			<0.0025	<0.0025	<0.0025	<0.0025		
2/5/2020							<0.0025	<0.0025
3/16/2020	<0.0025	<0.0025						
3/17/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/21/2020		<0.0025	<0.0025	<0.0025				
9/22/2020	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
2/2/2021	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025
2/3/2021					<0.0025	<0.0025		
2/28/2022				<0.0025				
3/1/2022	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025		
3/3/2022							<0.0025	<0.0025
8/15/2022	<0.0025	<0.0025			<0.0025	<0.0025		
8/16/2022			<0.0025	<0.0025			<0.0025	<0.0025
2/14/2023	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
2/15/2023				<0.0025				
8/14/2023	<0.0025	<0.0025						
8/15/2023			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
2/13/2024	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/16/2024					<0.0025			
7/30/2024	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/10/2025	<0.0025	<0.0025	<0.0025					
2/11/2025				<0.0025		<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.0025					<0.0025
5/19/2016	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
7/19/2016								<0.0025
7/20/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
9/14/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
9/15/2016	<0.0025							
11/10/2016						<0.0025		<0.0025
11/11/2016			<0.0025	<0.0025	<0.0025			
11/14/2016	<0.0025							
1/24/2017								<0.0025
1/27/2017				<0.0025	<0.0025	<0.0025		
2/6/2017	<0.0025		<0.0025					
2/8/2017							<0.0025	
2/9/2017		<0.0025						
2/23/2017							<0.0025	
3/14/2017								<0.0025
3/15/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/17/2017							<0.0025	
4/11/2017		<0.0025					<0.0025	
4/25/2017								<0.0025
4/26/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
5/17/2017							<0.0025	
6/7/2017							<0.0025	
7/11/2017							<0.0025	
8/9/2017						<0.0025		<0.0025
8/10/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
3/29/2018	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
3/30/2018			<0.0025					<0.0025
6/14/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/3/2018								<0.0025
10/4/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
2/27/2019	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/28/2019		<0.0025						
4/3/2019	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
4/4/2019			<0.0025					<0.0025
9/18/2019						<0.0025	<0.0025	<0.0025
9/19/2019	<0.0025	<0.0025	0.00021 (J)	<0.0025	<0.0025			
2/5/2020		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
2/7/2020	<0.0025							<0.0025
3/18/2020			<0.0025	<0.0025	<0.0025			<0.0025
3/19/2020	<0.0025	<0.0025				<0.0025	<0.0025	
9/22/2020	<0.0025							
9/23/2020		<0.0025	<0.0025		<0.0025			<0.0025
9/24/2020				<0.0025		<0.0025	<0.0025	
2/3/2021	<0.0025			<0.0025	<0.0025			
2/4/2021		<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
3/3/2022	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
3/4/2022					<0.0025			
8/16/2022	<0.0025			<0.0025				
8/17/2022		<0.0025						<0.0025
8/18/2022					<0.0025	<0.0025		
8/19/2022			<0.0025				<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
2/15/2023		<0.0025						<0.0025
2/16/2023	0.00065 (J)		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
8/15/2023	0.00013 (J)							
8/16/2023		<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/17/2023			<0.0025					
2/13/2024	0.00041 (J)							
2/14/2024		<0.0025			<0.0025			
2/15/2024			<0.0025			<0.0025	<0.0025	<0.0025
2/16/2024				<0.0025				
7/31/2024			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
8/1/2024	9.5E-05 (J)	<0.0025						
8/2/2024							<0.0025	
2/11/2025	<0.0025	<0.0025		<0.0025	<0.0025			
2/12/2025						<0.0025	<0.0025	
2/13/2025			<0.0025					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	0.000362 (J)	<0.0025						
7/19/2016	<0.0025							
7/20/2016		<0.0025						
9/14/2016	0.00037 (J)	<0.0025						
11/10/2016	<0.0025	<0.0025						
11/11/2016			<0.0025					
1/20/2017		<0.0025						
1/24/2017	0.00055 (J)							
2/6/2017			<0.0025					
3/14/2017		<0.0025						
3/15/2017	0.00067 (J)		<0.0025					
4/11/2017			<0.0025					
4/25/2017	0.00058 (J)	<0.0025						
4/26/2017			<0.0025					
6/7/2017			<0.0025					
7/11/2017			<0.0025					
8/9/2017	0.00054 (J)	<0.0025						
8/10/2017			<0.0025					
3/29/2018	0.00082 (J)		<0.0025					
3/30/2018		<0.0025						
6/14/2018	0.0007 (J)	<0.0025	<0.0025					
10/4/2018	0.00065 (J)	<0.0025	<0.0025					
2/26/2019		<0.0025						
2/27/2019	0.00055 (J)							
2/28/2019			<0.0025					
4/2/2019			<0.0025					
4/4/2019	0.00047 (J)	<0.0025						
9/18/2019	0.00017 (J)	<0.0025	<0.0025					
2/7/2020	<0.0025	<0.0025	<0.0025					
3/18/2020	0.00022 (J)	<0.0025						
5/4/2020			<0.0025					
9/23/2020	<0.0025	<0.0025	<0.0025					
2/3/2021			<0.0025					
2/4/2021	<0.0025	<0.0025						
8/26/2021				<0.0025	<0.0025	<0.0025	<0.0025	0.00061 (J)
1/11/2022					<0.0025	<0.0025	<0.0025	0.0004 (J)
1/12/2022				0.00026 (J)				
3/3/2022	<0.0025		<0.0025		<0.0025			0.0003 (J)
3/4/2022		<0.0025		<0.0025		0.00025 (J)	<0.0025	
6/6/2022					<0.0025		<0.0025	0.0003 (J)
6/7/2022				<0.0025		<0.0025		
8/16/2022		<0.0025			<0.0025			
8/17/2022	<0.0025		<0.0025				<0.0025	
8/18/2022				<0.0025				0.00015 (J)
8/19/2022						9E-05 (J)		
2/15/2023	8.5E-05 (J)					0.00028 (J)	<0.0025	0.00057 (J)
2/16/2023		<0.0025	<0.0025	0.00057 (J)	<0.0025			
8/11/2023				0.00019 (J)				
8/15/2023	<0.0025							
8/16/2023		<0.0025	<0.0025					
8/17/2023					<0.0025	<0.0025	<0.0025	9.5E-05 (J)
2/13/2024				0.00042 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
2/14/2024						0.00013 (J)		0.00023 (J)
2/15/2024	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025	
7/30/2024	<0.0025							
7/31/2024		<0.0025	<0.0025	0.00022 (J)			<0.0025	0.0001 (J)
8/1/2024					<0.0025			
8/2/2024						<0.0025		
2/11/2025		<0.0025						
2/12/2025	<0.0025			0.00045 (J)		0.00011 (J)		
2/13/2025			<0.0025		<0.0025		<0.0025	0.00018 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.0025	
10/18/2018				<0.0025		
8/26/2021	<0.0025					
1/11/2022	<0.0025					
3/4/2022	<0.0025					
6/7/2022	<0.0025					
8/17/2022	0.00012 (J)					
10/19/2022		<0.0025				
2/15/2023	0.0001 (J)					
2/16/2023		8E-05 (J)				
8/11/2023		<0.0025				
8/15/2023	<0.0025					
8/17/2023						<0.0025
9/26/2023			<0.0025			
2/14/2024			<0.0025			
2/15/2024	<0.0025	<0.0025				<0.0025
7/31/2024	<0.0025					
8/1/2024		<0.0025	<0.0025			<0.0025
2/12/2025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
2/13/2025						<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	0.927	12.2						23.7
5/18/2016			2.1	17.9	1.7	27	1.36	
7/19/2016	1	13			1.5	23	0.88	23
7/20/2016			1.7	15				
9/13/2016	0.44	13	1.3	16		25	0.93	23
9/14/2016					52			
11/9/2016	1.1	19				25		6.7
11/10/2016			1.6	15			6.1	
1/17/2017	1.4	28						
1/18/2017			1.7	17		26	10	
1/19/2017					13			8.5
3/13/2017	1.1	14						
3/14/2017			1.8	17	1.6	20	1.3	13
4/24/2017	1.1	12						
4/25/2017			2	17	1.5	28	1.9	23
8/8/2017	1.1	18	2			26	4.8	24
8/9/2017				15	1.3			
8/25/2017					1.5			
10/10/2017	1.2	21						
10/11/2017			2.1	17	1.5	29	0.93	23
3/27/2018	1.2	15						
3/28/2018			1.8	15	1.1	26	0.9	24
6/13/2018	1.1				1.2	25		11
6/14/2018		12	2	15			0.94	
9/24/2018		11						
9/27/2018	1.2							
9/28/2018								11
10/2/2018						26		
10/3/2018			1.8	16	1.4		1.2	
4/1/2019	1	12						
4/2/2019			1.8	15	1.1	25	1.1	20
9/16/2019	1.3				36	25		
9/17/2019		13		16				10
9/18/2019			1.6				1.5	
3/16/2020	1.1	10						
3/17/2020			1.7	15	1.4	26	0.82	10
9/21/2020		13	1.8	16				
9/22/2020	1.2				58	25	0.89	19
3/10/2021		11	1.9	16	1.3		0.89	7.7
3/11/2021	1.3					26		
8/23/2021		13						
8/24/2021	1.2			15	47	26	1.7	
8/25/2021			1.7					16
2/28/2022				14				
3/1/2022	1.1	13	1.6		2.1	22		
3/3/2022							1.4	6.1
8/15/2022	1.2	12			51	24		
8/16/2022			1.8	16			0.94	8.8
2/14/2023	1.4	12	2		1.3	29	1.3	5.7
2/15/2023				18				
8/14/2023	1.5	14						
8/15/2023			1.9	17	26	27	1.8	8.3

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
2/13/2024	1.3	12	1.7	17		27	11	4.6
2/16/2024					0.92			
7/30/2024	1.4	16	1.9	18		29	1.6	15
2/10/2025	1.4	16	1.8					
2/11/2025				17		27	8.7	4.4

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			7.17					32.5
5/19/2016	31.4	8.53		1.95	15.8	11.4		
7/19/2016								30
7/20/2016	28	8.2	7	1.5	14	7.1		
9/14/2016		8.8	7.7	1.8	16	7.4		37
9/15/2016	27							
11/10/2016						6.4		29
11/11/2016			8.2	1.7	15			
11/14/2016	32							
1/24/2017								28
1/27/2017				3.5	16	6.2		
2/6/2017	41		9.1					
2/8/2017							3.2	
2/9/2017		10						
2/23/2017							4.1	
3/14/2017								29
3/15/2017	38	8.6	9	3.8	16	6.7		
3/17/2017							2.4	
4/11/2017		8.6					4.1	
4/25/2017								32
4/26/2017	39	7.1	8.1	4	3	6.5	2.5	
5/17/2017							5.2	
6/7/2017							5.2	
7/11/2017							2.3	
8/9/2017						7		30
8/10/2017	53	7.5	8.1	3.5	15			
10/11/2017							3.8	31
10/12/2017	60	8.2	8.6	2.7	16	7		
3/29/2018	61	7.6		3.9	14	7	1.2	
3/30/2018			9					31
6/14/2018	52	7.5	7.7	2.2	13	5.5	1.1	29
10/3/2018								31
10/4/2018	65	8	8.5	2	15	5.9	2	
4/3/2019	61	7.2		1.7	14	4.7	0.84	
4/4/2019			7.9					30
9/18/2019						4.9	0.85	31
9/19/2019	57	8.1	7.5	1.4	14			
3/18/2020			7.5	1.6	14			30
3/19/2020	79	9.3				5	0.89	
9/22/2020	81							
9/23/2020		10	7.7		13			32
9/24/2020				5.2		1.4	0.99	
3/11/2021	83		7.9			4	0.79	
3/12/2021		11		1.6	15			31
8/25/2021				1.5	14	4	0.7	
8/26/2021	85	9.3	7.6					31
3/3/2022	88	8.6	7.1	1.3		3.4	0.65	28
3/4/2022					12			
8/16/2022	83			1.6				
8/17/2022		9						29
8/18/2022					13	3.5		
8/19/2022			7.3				0.64	

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
2/15/2023		11						31
2/16/2023	92		6.9	1.7	12	3.8	0.69	
8/15/2023	96							
8/16/2023		11		1.7	15	4.1	0.7	32
8/17/2023			8					
2/13/2024	91							
2/14/2024		9.1			13			
2/15/2024			7.7			3.7	0.66	31
2/16/2024				1.6				
7/31/2024			8	1.8	14	3.8		32
8/1/2024	90	10						
8/2/2024							0.68	
2/11/2025	99	9.6		1.7	14			
2/12/2025						3.8	0.77	
2/13/2025			8					30

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	168	8.24						
7/19/2016	190							
7/20/2016		11						
9/14/2016	230	12						
11/10/2016	240	11						
11/11/2016			12					
1/20/2017		10						
1/24/2017	280							
2/6/2017			11					
3/14/2017		8.8						
3/15/2017	260		10					
4/11/2017			11					
4/25/2017	300	12						
4/26/2017			8.4					
6/7/2017			9					
7/11/2017			9.5					
8/9/2017	350	11						
8/10/2017			8.8					
10/11/2017	360	10						
10/12/2017			9.5					
3/29/2018	330		10					
3/30/2018		7.2						
6/14/2018	260	6.2	8.9					
10/4/2018	250	6.4	10					
4/2/2019			11					
4/4/2019	110	5.6						
9/18/2019	62	5.5	8.8					
3/18/2020	66	6.3						
5/4/2020			15					
9/23/2020	43	5.9	13					
3/8/2021				90				
3/9/2021					66	15	3.2	65
3/11/2021	32	5.7	15					
4/7/2021					67		2.7	71
4/8/2021				88		14		
8/25/2021	27	6						
8/26/2021			10	120	51	24	4.6	69
1/11/2022					57	32	3.1	51
1/12/2022				220				
3/3/2022	24		12		54			42
3/4/2022		5.3		200		31	4	
6/6/2022					58		4.5	22
6/7/2022				140		19		
8/16/2022		5.6			55			
8/17/2022	20		9.8				4.6	
8/18/2022				110				16
8/19/2022						18		
2/15/2023	26					26	2.4	39
2/16/2023		6	13	190	68			
8/11/2023				150				
8/15/2023	23							
8/16/2023		6.3	14					

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					63	16	4.2	18
2/13/2024				210				
2/14/2024						21		24
2/15/2024	20	6.2	14		73		2.5	
7/30/2024	20							
7/31/2024		6.8	12	220			4.2	14
8/1/2024					69			
8/2/2024						14		
2/11/2025		5.8						
2/12/2025	15			230		13		
2/13/2025			13		64		4.4	20

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					18	
10/18/2018				19		
3/8/2021	14					
3/9/2021						17
4/7/2021						18
4/8/2021	16					
8/26/2021	16					
1/11/2022	16					
3/4/2022	16					
6/7/2022	15					
8/17/2022	15					
10/19/2022		5.9				
2/15/2023	18					
2/16/2023		19				
8/11/2023		25				
8/15/2023	28					
8/17/2023						16
9/26/2023			270			
11/7/2023			310			
2/14/2024			390			
2/15/2024	29	22				15
7/31/2024	29					
8/1/2024		20	350			18
12/9/2024					21	
1/8/2025				22		
2/12/2025	31	16	340	16	25	
2/13/2025						13

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	3.8	2.5						6.05
5/18/2016			1.92	1.45	2.14	1.58	2.06	
7/19/2016	3.9	2.6			2.4	1.6	2.1	4
7/20/2016			1.8	1.4				
9/13/2016	3.6	2.4	1.7	1.4		1.4	2	3.1
9/14/2016					2.1			
11/9/2016	3.9	2.3				1.5		2.3
11/10/2016			1.6	1.3			1.8	
1/17/2017	3.8	2.3						
1/18/2017			1.7	1.3		1.5	1.8	
1/19/2017					1.8			2
3/13/2017	3.4	2.2						
3/14/2017			1.6	1.2	2	2.5	1.8	1.9
4/24/2017	3.4	2.2						
4/25/2017			1.6	1.2	1.8	1.3	1.8	1.9
8/8/2017	3.6	2.3	1.7			1.4	1.9	2
8/9/2017				1.2	1.9			
8/25/2017					2			
10/10/2017	3.6	2.5						
10/11/2017			1.6	1.2	2.1	1.3	1.8	1.9
3/27/2018	3.6	2.2						
3/28/2018			1.6	1.1	1.4	1.3	1.8	2.2
6/13/2018	3.8				1.7	1.4		2
6/14/2018		2.3	1.6	1.2			1.7	
9/24/2018		2.4						
9/27/2018	4							
9/28/2018								2.1
10/2/2018						1.4		
10/3/2018			1.6	1.2	1.8		1.8	
4/1/2019	4	2.4						
4/2/2019			1.7	1.2	1.7	1.5	1.9	2.6
9/16/2019	4				1.8	1.5		
9/17/2019		2.4		1.2				2
9/18/2019			1.7				2	
3/16/2020	4.3	2.7						
3/17/2020			1.8	1.4	1.6	1.7	2.2	2.3
9/21/2020		2.5	1.5	1.2				
9/22/2020	4				1.5	1.4	1.8	2.1
3/10/2021		2.6	1.8	1.2	1.8		1.9	1.9
3/11/2021	4.5					1.5		
8/23/2021		3.3						
8/24/2021	5.1			1.5	2.1	1.8	1.9	
8/25/2021			1.9					2.3
2/28/2022				1.2				
3/1/2022	4.1	2.7	1.8		1.5	1.5		
3/3/2022							2.1	2
8/15/2022	4	2.7			1.5	1.5		
8/16/2022			1.6	1.2			1.9	1.9
2/14/2023	3.9	2.6	1.6		1.3	1.5	1.8	1.9
2/15/2023				1.2				
8/14/2023	3.8	2.5						
8/15/2023			1.6	1.2	1.2	1.4	1.7	1.8

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
2/13/2024	3.5	2.4	1.5	1.1		1.4	1.6	1.7
2/16/2024					1.6			
7/30/2024	3.9	2.9	1.8	1.8		1.8	2	2.1
2/10/2025	4.6	3.3	2					
2/11/2025				1.7		1.8	2.4	2.5

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			1.45					4.59
5/19/2016	17.5	1.46		3.21	3.8	2.26		
7/19/2016								5.9
7/20/2016	19	1.5	1.6	3.4	3.8	1.9		
9/14/2016		1.4	1.5	3.1	3.7	1.6		7.9
9/15/2016	19							
11/10/2016						1.4		6.5
11/11/2016			1.5	3.2	3.5			
11/14/2016	25							
1/24/2017								4.1
1/27/2017				3.4	3.1	1.4		
2/6/2017	33		1.4					
2/8/2017							2.5	
2/9/2017		1.5						
2/23/2017							4.3	
3/14/2017								4.4
3/15/2017	38	1.3	1.4	3.1	3.2	1.4		
3/17/2017							4.8	
4/11/2017		1.2					3.8	
4/25/2017								4
4/26/2017	42	1.2	1.3	3.1	3.2	1.3	4.8	
5/17/2017							3.9	
6/7/2017							3.2	
7/11/2017							4.1	
8/9/2017						1.4		3.6
8/10/2017	48	1.3	1.4	3.1	3.4			
10/11/2017							2.2	5
10/12/2017	60	1.4	1.3	3	3.1	1.2		
3/29/2018	68	1.2		3.1	3.1	1.2	2.5	
3/30/2018			1.3					4.2
6/14/2018	58	1.2	1.3	3	3	1.2	2.8	4.3
10/3/2018								4.8
10/4/2018	300	1.2	1.3	3.1	3.1	1.2	2.2	
4/3/2019	70	2		3.3	3	1.2	2.4	
4/4/2019			1.4					3.7
9/18/2019						1.2	2.2	3.2
9/19/2019	70	1.5	1.5	3.2	3.2			
3/18/2020			1.5	3.2	3.2			1.7
3/19/2020	98	2.1				1.3	1.9	
9/22/2020	100							
9/23/2020		2.4	1.3		2.8			1.5
9/24/2020				1		1.6	3.1	
3/11/2021	110		1.7			1.2	2.6	
3/12/2021		3.4		3.6	3.5			1.6
8/25/2021				3.5	3.7	1.2	2.8	
8/26/2021	110	3.1	1.6					1.4
3/3/2022	130	3.5	1.6	3.6		1	2.4	1.4
3/4/2022					3.2			
8/16/2022	110			3.5				
8/17/2022		3.2						1.2
8/18/2022					3	0.98 (J)		
8/19/2022			1.4				2.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
2/15/2023		3.9						1
2/16/2023	120		1.3	3.3	2.9	0.97 (J)	1.9	
8/15/2023	110							
8/16/2023		3.3		3.3	2.8	0.91 (J)	1.8	0.95 (J)
8/17/2023			1.3					
2/13/2024	88							
2/14/2024		3.2			2.8			
2/15/2024			1.8			1.3	2.5	1.4
2/16/2024				4.3				
7/31/2024			1.7	3.8	3.4	1.2		1.3
8/1/2024	110	4.3						
8/2/2024							2.4	
2/11/2025	120	2		0.45 (J)	3.7			
2/12/2025						1.3	2.4	
2/13/2025			1.5					1.1

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	217	2.72						
7/19/2016	250							
7/20/2016		1.9						
9/14/2016	260	1.6						
11/10/2016	290	1.6						
11/11/2016			2.6					
1/20/2017		1.5						
1/24/2017	310							
2/6/2017			2.6					
3/14/2017		1.5						
3/15/2017	330		2.4					
4/11/2017			2.3					
4/25/2017	330	1.8						
4/26/2017			2.3					
6/7/2017			2.5					
7/11/2017			2.3					
8/9/2017	330	1.4						
8/10/2017			2.5					
10/11/2017	320	1.5						
10/12/2017			2.3					
3/29/2018	330		2.3					
3/30/2018		1.5						
6/14/2018	290	1.5	2.4					
10/4/2018	290	1.5	2.6					
4/2/2019			2.5					
4/4/2019	170	1.4						
9/18/2019	100	1.5	2.7					
3/18/2020	93	1.5						
5/4/2020			2.8					
9/23/2020	58	1.2	2.6					
3/8/2021				70				
3/9/2021					58	2.9	3.5	110
3/11/2021	49	1.3	2.9					
4/7/2021					50		3.7	110
4/8/2021				57		2.4		
8/25/2021	45	1.6						
8/26/2021			3.3	130	47	4.2	3.3	100
1/11/2022					44	5.1	2.9	60
1/12/2022				350				
3/3/2022	42		3.2		45			50
3/4/2022		1.3		330		5.3	2.9	
6/6/2022					48		3.1	41
6/7/2022				180		4.3		
8/16/2022		1.3			41			
8/17/2022	35		2.8				3.2	
8/18/2022				140				27
8/19/2022						4.2		
2/15/2023	42					4.6	2.9	39
2/16/2023		1.2	2.6	230	51			
8/11/2023				190				
8/15/2023	34							
8/16/2023		1.1	2.5					

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					47	3.9	2.9	22
2/13/2024				230				
2/14/2024						4.1		22
2/15/2024	32	1.6	3.5		59		3.5	
7/30/2024	26							
7/31/2024		1.6	3.1	270			3.2	14
8/1/2024					48			
8/2/2024						4.4		
2/11/2025		1.9						
2/12/2025	28			380		4.1		
2/13/2025			3.1		48		3.1	19

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					2.5	
10/18/2018				2.6		
3/8/2021	74					
3/9/2021						20
4/7/2021						20
4/8/2021	77					
8/26/2021	79					
1/11/2022	75					
3/4/2022	79					
6/7/2022	79					
8/17/2022	77					
10/19/2022		5				
2/15/2023	79					
2/16/2023		22				
8/11/2023		29				
8/15/2023	35					
8/17/2023						14
9/26/2023			540			
11/7/2023			600			
2/14/2024			520			
2/15/2024	12	29				14
7/31/2024	53					
8/1/2024		26	710			14
12/9/2024					2.7	
1/8/2025				3.4		
2/12/2025	24	26	470	32	2.9	
2/13/2025						16

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.002	<0.002						<0.002
5/18/2016			<0.002	<0.002	<0.002	<0.002	<0.002	
7/19/2016	<0.002	<0.002			<0.002	<0.002	<0.002	<0.002
7/20/2016			<0.002	<0.002				
9/13/2016	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
9/14/2016					0.0031			
11/9/2016	<0.002	<0.002				<0.002		<0.002
11/10/2016			<0.002	<0.002			<0.002	
1/17/2017	<0.002	<0.002						
1/18/2017			<0.002	<0.002		<0.002	<0.002	
1/19/2017					<0.002			<0.002
3/13/2017	<0.002	<0.002						
3/14/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/24/2017	<0.002	<0.002						
4/25/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/8/2017	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
8/9/2017				<0.002	<0.002			
8/25/2017					<0.002			
3/27/2018	<0.002	<0.002						
3/28/2018			<0.002	<0.002	<0.002	<0.002	<0.002	0.0049
6/13/2018	<0.002				<0.002	<0.002		<0.002
6/14/2018		<0.002	<0.002	<0.002			<0.002	
9/24/2018		<0.002						
9/27/2018	<0.002							
9/28/2018								<0.002
10/2/2018						<0.002		
10/3/2018			<0.002	<0.002	<0.002		<0.002	
2/25/2019	0.0016 (J)	<0.002						
2/26/2019			<0.002	0.0021 (J)	<0.002	0.0023 (J)	<0.002	0.0016 (J)
4/1/2019	<0.002	<0.002						
4/2/2019			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/16/2019	0.0016 (J)				<0.002	<0.002		
9/17/2019		0.0017 (J)		<0.002				<0.002
9/18/2019			<0.002				<0.002	
2/3/2020	<0.002	<0.002						
2/4/2020			<0.002	<0.002	<0.002	<0.002		
2/5/2020							<0.002	<0.002
3/16/2020	<0.002	<0.002						
3/17/2020			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/21/2020		<0.002	<0.002	<0.002				
9/22/2020	<0.002				<0.002	<0.002	<0.002	<0.002
2/2/2021	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
2/3/2021					<0.002	<0.002		
3/10/2021		<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
3/11/2021	<0.002					<0.002		
8/23/2021		<0.002						
8/24/2021	<0.002			<0.002	<0.002	<0.002	<0.002	
8/25/2021			<0.002					<0.002
2/28/2022				<0.002				
3/1/2022	<0.002	<0.002	<0.002		<0.002	<0.002		
3/3/2022							<0.002	<0.002
8/15/2022	0.0063	<0.002			<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.002	<0.002			<0.002	<0.002
2/14/2023	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
2/15/2023				<0.002				
8/14/2023	0.0012 (J)	<0.002						
8/15/2023			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2024	<0.002	<0.002	0.0015 (J)	<0.002		<0.002	0.049 (O)	<0.002
2/16/2024					<0.002			
7/30/2024	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/10/2025	0.0012 (J)	<0.002	<0.002					
2/11/2025				<0.002		<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.002					<0.002
5/19/2016	<0.002	<0.002		<0.002	<0.002	<0.002		
7/19/2016								<0.002
7/20/2016	<0.002	<0.002	0.0012 (J)	<0.002	<0.002	<0.002		
9/14/2016		<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
9/15/2016	<0.002							
11/10/2016						<0.002		<0.002
11/11/2016			0.0015 (J)	<0.002	<0.002			
11/14/2016	<0.002							
1/24/2017								<0.002
1/27/2017				<0.002	<0.002	<0.002		
2/6/2017	<0.002		0.0011 (J)					
2/8/2017							<0.002	
2/9/2017		<0.002						
2/23/2017							<0.002	
3/14/2017								<0.002
3/15/2017	<0.002	<0.002	0.0015 (J)	<0.002	<0.002	<0.002		
3/17/2017							<0.002	
4/11/2017		<0.002					<0.002	
4/25/2017								<0.002
4/26/2017	<0.002	<0.002	0.0013 (J)	0.0011 (J)	<0.002	<0.002	<0.002	
5/17/2017							<0.002	
6/7/2017							<0.002	
7/11/2017							<0.002	
8/9/2017						<0.002		<0.002
8/10/2017	<0.002	<0.002	0.0016 (J)	<0.002	<0.002			
3/29/2018	<0.002	<0.002		0.0012 (J)	<0.002	<0.002	<0.002	
3/30/2018			0.0027					<0.002
6/14/2018	<0.002	<0.002	0.0023 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
10/3/2018								<0.002
10/4/2018	<0.002	<0.002	0.0031	<0.002	<0.002	<0.002	<0.002	
2/27/2019	<0.002		0.0031	0.0021 (J)	<0.002	0.0018 (J)	<0.002	0.0015 (J)
2/28/2019		0.0025						
4/3/2019	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	
4/4/2019			0.0021 (J)					<0.002
9/18/2019						<0.002	<0.002	<0.002
9/19/2019	<0.002	<0.002	0.0022	<0.002	<0.002			
2/5/2020		<0.002	0.0022	<0.002	<0.002	<0.002	0.0017 (J)	
2/7/2020	<0.002							<0.002
3/18/2020			<0.002	<0.002	<0.002			<0.002
3/19/2020	<0.002	<0.002				<0.002	<0.002	
9/22/2020	<0.002							
9/23/2020		<0.002	0.0018 (J)		<0.002			<0.002
9/24/2020				<0.002		<0.002	<0.002	
2/3/2021	<0.002			<0.002	<0.002			
2/4/2021		<0.002	0.0018 (J)			<0.002	<0.002	<0.002
3/11/2021	<0.002		0.0023			0.0019 (J)	<0.002	
3/12/2021		<0.002		0.0017 (J)	<0.002			<0.002
8/25/2021				<0.002	<0.002	0.0017 (J)	<0.002	
8/26/2021	<0.002	<0.002	0.0024					<0.002
3/3/2022	<0.002	<0.002	0.0023	<0.002		<0.002	<0.002	<0.002
3/4/2022					<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	<0.002			<0.002				
8/17/2022		<0.002						<0.002
8/18/2022					<0.002	<0.002		
8/19/2022			0.0024				<0.002	
2/15/2023		<0.002						<0.002
2/16/2023	<0.002		0.0014 (J)	<0.002	<0.002	<0.002	<0.002	
8/15/2023	<0.002							
8/16/2023		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
8/17/2023			0.0029					
2/13/2024	<0.002							
2/14/2024		0.002			<0.002			
2/15/2024			0.0036			<0.002	<0.002	<0.002
2/16/2024				<0.002				
7/31/2024			0.0029	<0.002	<0.002	<0.002		<0.002
8/1/2024	<0.002	<0.002						
8/2/2024							<0.002	
2/11/2025	<0.002	<0.002		<0.002	<0.002			
2/12/2025						0.0017 (J)	<0.002	
2/13/2025			0.0036					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.002	<0.002						
7/19/2016	<0.002							
7/20/2016		<0.002						
9/14/2016	<0.002	<0.002						
11/10/2016	<0.002	<0.002						
11/11/2016			<0.002					
1/20/2017		<0.002						
1/24/2017	<0.002							
2/6/2017			<0.002					
3/14/2017		<0.002						
3/15/2017	<0.002		<0.002					
4/11/2017			<0.002					
4/25/2017	<0.002	<0.002						
4/26/2017			<0.002					
6/7/2017			<0.002					
7/11/2017			<0.002					
8/9/2017	<0.002	<0.002						
8/10/2017			<0.002					
3/29/2018	<0.002		<0.002					
3/30/2018		<0.002						
6/14/2018	<0.002	<0.002	<0.002					
10/4/2018	<0.002	<0.002	<0.002					
2/26/2019		<0.002						
2/27/2019	<0.002							
2/28/2019			<0.002					
4/2/2019			<0.002					
4/4/2019	<0.002	<0.002						
9/18/2019	<0.002	<0.002	<0.002					
2/7/2020	<0.002	<0.002	<0.002					
3/18/2020	<0.002	<0.002						
5/4/2020			<0.002					
9/23/2020	<0.002	<0.002	<0.002					
2/3/2021			<0.002					
2/4/2021	<0.002	<0.002						
3/11/2021	<0.002	<0.002	<0.002					
8/25/2021	<0.002	<0.002						
8/26/2021			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/11/2022					<0.002	<0.002	<0.002	<0.002
1/12/2022				<0.002				
3/3/2022	<0.002		<0.002		<0.002			<0.002
3/4/2022		<0.002		<0.002		<0.002	<0.002	
6/6/2022					<0.002		<0.002	<0.002
6/7/2022				<0.002		<0.002		
8/16/2022		<0.002			<0.002			
8/17/2022	<0.002		<0.002				<0.002	
8/18/2022				<0.002				<0.002
8/19/2022						<0.002		
2/15/2023	<0.002					<0.002	<0.002	<0.002
2/16/2023		<0.002	<0.002	<0.002	0.0015 (J)			
8/11/2023				<0.002				
8/15/2023	<0.002							
8/16/2023		<0.002	<0.002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					<0.002	<0.002	<0.002	<0.002
2/13/2024				<0.002				
2/14/2024						<0.002		<0.002
2/15/2024	<0.002	<0.002	<0.002		<0.002		<0.002	
7/30/2024	<0.002							
7/31/2024		<0.002	<0.002	<0.002			<0.002	<0.002
8/1/2024					<0.002			
8/2/2024						<0.002		
2/11/2025		<0.002						
2/12/2025	<0.002			<0.002		<0.002		
2/13/2025			<0.002		<0.002		0.0017 (J)	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.002	
10/18/2018				<0.0025		
8/26/2021	<0.002					
1/11/2022	<0.002					
3/4/2022	<0.002					
6/7/2022	<0.002					
8/17/2022	<0.002					
10/19/2022		<0.002				
2/15/2023	<0.002					
2/16/2023		<0.002				
8/11/2023		<0.002				
8/15/2023	<0.002					
8/17/2023						<0.002
9/26/2023			0.002			
2/14/2024			<0.002			
2/15/2024	<0.002	<0.002				<0.002
7/31/2024	<0.002					
8/1/2024		<0.002	<0.002			<0.002
2/12/2025	<0.002	<0.002	<0.002	0.0012 (J)	<0.002	
2/13/2025						<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.01	<0.0025						<0.0025
5/18/2016			<0.0025	<0.0025	<0.01	<0.0025	<0.0025	
7/19/2016	0.0014 (J)	0.00086 (J)			0.0014 (J)	<0.0025	<0.0025	0.0019 (J)
7/20/2016			<0.0025	<0.0025				
9/13/2016	0.0015 (J)	0.00095 (J)	<0.0025	<0.0025		<0.0025	<0.0025	0.0032
9/14/2016					0.013 (o)			
11/9/2016	0.0012 (J)	0.0011 (J)				<0.0025		0.0039
11/10/2016			<0.0025	<0.0025			0.00055 (J)	
1/17/2017	0.001 (J)	<0.0025						
1/18/2017			<0.0025	<0.0025		<0.0025	0.00097 (J)	
1/19/2017					0.064 (O)			0.0032
3/13/2017	0.0011 (J)	0.00087 (J)						
3/14/2017			<0.0025	<0.0025	0.0066	0.0018 (J)	<0.0025	0.0045
4/24/2017	0.001 (J)	0.0014 (J)						
4/25/2017			<0.0025	<0.0025	0.0026	<0.0025	<0.0025	0.002 (J)
8/8/2017	0.0011 (J)	0.0012 (J)	<0.0025			<0.0025	<0.0025	0.0031
8/9/2017				<0.0025	0.0025			
8/25/2017					0.0025			
3/27/2018	0.00091 (J)	0.0012 (J)						
3/28/2018			<0.0025	<0.0025	0.0015 (J)	<0.0025	<0.0025	0.0013 (J)
6/13/2018	0.00094 (J)				0.0011 (J)	<0.0025		0.0021 (J)
6/14/2018		0.00085 (J)	<0.0025	<0.0025			<0.0025	
9/24/2018		0.00085 (J)						
9/27/2018	0.00085 (J)							
9/28/2018								0.0024 (J)
10/2/2018						<0.0025		
10/3/2018			<0.0025	<0.0025	0.0013 (J)		<0.0025	
2/25/2019	0.00085 (J)	0.00083 (J)						
2/26/2019			<0.0025	0.00029 (J)	0.0006 (J)	0.00031 (J)	0.00017 (J)	0.00026 (J)
4/1/2019	0.00079 (J)	0.00082 (J)						
4/2/2019			<0.0025	<0.0025	0.00046 (J)	<0.0025	<0.0025	<0.0025
9/16/2019	0.00082				0.0035	9.1E-05 (J)		
9/17/2019		0.00063		<0.0025				0.0012
9/18/2019			<0.0025				0.0002 (J)	
2/3/2020	0.00062	0.00068						
2/4/2020			<0.0025	<0.0025	0.00082	<0.0025		
2/5/2020							0.00021 (J)	0.0027
3/16/2020	0.00092 (J)	0.00066 (J)						
3/17/2020			<0.0025	<0.0025	0.00066 (J)	0.00014 (J)	0.00065 (J)	0.0017 (J)
9/21/2020		0.00054 (J)	<0.0025	<0.0025				
9/22/2020	0.00072 (J)				0.0065	<0.0025	0.00015 (J)	0.00033 (J)
2/2/2021	0.00082 (J)	0.00069 (J)	<0.0025	<0.0025			<0.0025	0.0018 (J)
2/3/2021					0.0015 (J)	<0.0025		
3/10/2021		0.00073 (J)	<0.0025	<0.0025	0.0011 (J)		<0.0025	0.0015 (J)
3/11/2021	0.00081 (J)					<0.0025		
8/23/2021		0.00049 (J)						
8/24/2021	0.0016 (J)			<0.0025	0.00079 (J)	<0.0025	0.00017 (J)	
8/25/2021			<0.0025					0.00084 (J)
2/28/2022				<0.0025				
3/1/2022	0.00073 (J)	0.00038 (J)	<0.0025		0.0014 (J)	<0.0025		
3/3/2022							<0.0025	0.0014 (J)
8/15/2022	0.0007 (J)	0.00045 (J)			0.00063 (J)	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.0025	<0.0025			<0.0025	0.00075 (J)
2/14/2023	0.00073 (J)	0.00052 (J)	<0.0025		0.0011 (J)	<0.0025	<0.0025	0.001 (J)
2/15/2023				<0.0025				
8/14/2023	0.00087 (J)	0.0006 (J)						
8/15/2023			<0.0025	<0.0025	0.00059 (J)	<0.0025	<0.0025	0.00075 (J)
2/13/2024	0.00064 (J)	0.00049 (J)	<0.0025	<0.0025		<0.0025	0.00044 (J)	0.00063 (J)
2/16/2024					0.00059 (J)			
7/30/2024	0.00074 (J)	0.00046 (J)	<0.0025	<0.0025		<0.0025	<0.0025	0.00029 (J)
2/10/2025	0.00068 (J)	0.00034 (J)	<0.0025					
2/11/2025				<0.0025		<0.0025	0.0017 (J)	0.00043 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			0.00201 (J)					<0.0025
5/19/2016	<0.0025	<0.0025		<0.0025	<0.01	<0.0025		
7/19/2016								<0.0025
7/20/2016	<0.0025	<0.0025	0.00066 (J)	0.0025	0.0013 (J)	<0.0025		
9/14/2016		<0.0025	0.00095 (J)	<0.0025	0.00098 (J)	<0.0025		<0.0025
9/15/2016	<0.0025							
11/10/2016						<0.0025		<0.0025
11/11/2016			0.001 (J)	0.00052 (J)	0.0017 (J)			
11/14/2016	<0.0025							
1/24/2017								<0.0025
1/27/2017				0.00049 (J)	0.0022 (J)	<0.0025		
2/6/2017	<0.0025		0.00072 (J)					
2/8/2017							0.0051	
2/9/2017		0.00073 (J)						
2/23/2017							0.014	
3/14/2017								<0.0025
3/15/2017	<0.0025	<0.0025	0.00062 (J)	0.00064 (J)	0.0016 (J)	<0.0025		
3/17/2017							0.013	
4/11/2017		<0.0025					0.016	
4/25/2017								<0.0025
4/26/2017	<0.0025	<0.0025	0.0014 (J)	0.001 (J)	0.00026 (J)	<0.0025	0.01	
5/17/2017							0.011	
6/7/2017							0.01	
7/11/2017							0.0085	
8/9/2017						0.0004 (J)		<0.0025
8/10/2017	<0.0025	<0.0025	<0.0025	0.0011 (J)	0.00049 (J)			
3/29/2018	0.00066 (J)	<0.0025		<0.0025	0.0008 (J)	0.0008 (J)	0.015	
3/30/2018			0.0035					<0.0025
6/14/2018	0.0011 (J)	<0.0025	0.0012 (J)	<0.0025	0.00067 (J)	0.00054 (J)	0.011	<0.0025
10/3/2018								<0.0025
10/4/2018	<0.0025	<0.0025	0.00086 (J)	<0.0025	0.00079 (J)	<0.0025	0.0055	
2/27/2019	0.0019 (J)		0.0005 (J)	0.0022 (J)	0.0006 (J)	0.00013 (J)	0.0049	<0.0025
2/28/2019		<0.0025						
4/3/2019	0.0037	<0.0025		0.00081 (J)	0.00043 (J)	<0.0025	0.0056	
4/4/2019			0.0017 (J)					<0.0025
9/18/2019						<0.0025	0.005	<0.0025
9/19/2019	0.0028	<0.0025	0.0023	<0.0025	0.00028 (J)			
2/5/2020		<0.0025	0.0013	0.00026 (J)	0.00058	<0.0025	0.0044	
2/7/2020	0.0011							<0.0025
3/18/2020			0.0012 (J)	0.00069 (J)	0.00071 (J)			<0.0025
3/19/2020	0.00092 (J)	<0.0025				<0.0025	0.0039	
9/22/2020	0.00065 (J)							
9/23/2020		<0.0025	0.00062 (J)		0.00039 (J)			<0.0025
9/24/2020				<0.0025		0.00032 (J)	0.0035	
2/3/2021	0.00014 (J)			0.00072 (J)	0.00017 (J)			
2/4/2021		<0.0025	0.00059 (J)			<0.0025	0.0041	0.00015 (J)
3/11/2021	0.00043 (J)		0.00058 (J)			<0.0025	0.0037	
3/12/2021		<0.0025		0.0022 (J)	0.00042 (J)			<0.0025
8/25/2021				0.00045 (J)	0.0005 (J)	<0.0025	0.0029	
8/26/2021	0.0005 (J)	<0.0025	0.00044 (J)					<0.0025
3/3/2022	0.0003 (J)	<0.0025	0.00045 (J)	0.00026 (J)		<0.0025	0.0024 (J)	<0.0025
3/4/2022					0.00056 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	0.00075 (J)			<0.0025				
8/17/2022		<0.0025						<0.0025
8/18/2022					0.00034 (J)	<0.0025		
8/19/2022			0.0014 (J)				0.002 (J)	
2/15/2023		<0.0025						<0.0025
2/16/2023	<0.0025		<0.0025	<0.0025	0.0004 (J)	<0.0025	0.0022 (J)	
8/15/2023	<0.0025							
8/16/2023		<0.0025		<0.0025	0.00025 (J)	0.00024 (J)	0.002 (J)	<0.0025
8/17/2023			0.00038 (J)					
2/13/2024	<0.0025							
2/14/2024		<0.0025			0.00045 (J)			
2/15/2024			<0.0025			<0.0025	0.0017 (J)	<0.0025
2/16/2024				<0.0025				
7/31/2024			<0.0025	<0.0025	0.00029 (J)	<0.0025		<0.0025
8/1/2024	<0.0025	<0.0025						
8/2/2024							0.0016 (J)	
2/11/2025	<0.0025	<0.0025		<0.0025	0.00033 (J)			
2/12/2025						0.00029 (J)	0.0015 (J)	
2/13/2025			<0.0025					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	0.0069 (J)	0.00245 (J)						
7/19/2016	0.012							
7/20/2016		0.0018 (J)						
9/14/2016	0.013	0.0014 (J)						
11/10/2016	0.016	0.0016 (J)						
11/11/2016			<0.0025					
1/20/2017		0.0014 (J)						
1/24/2017	0.015							
2/6/2017			0.00058 (J)					
3/14/2017		0.0023 (J)						
3/15/2017	0.014		0.00045 (J)					
4/11/2017			<0.0025					
4/25/2017	0.014	0.0023 (J)						
4/26/2017			<0.0025					
6/7/2017			<0.0025					
7/11/2017			<0.0025					
8/9/2017	0.016	0.0011 (J)						
8/10/2017			0.00049 (J)					
3/29/2018	0.0092		<0.0025					
3/30/2018		0.0016 (J)						
6/14/2018	0.0035	0.00055 (J)	<0.0025					
10/4/2018	0.0078	0.00041 (J)	<0.0025					
2/26/2019		0.00086 (J)						
2/27/2019	0.00084 (J)							
2/28/2019			0.00019 (J)					
4/2/2019			<0.0025					
4/4/2019	0.00077 (J)	<0.0025						
9/18/2019	0.00011 (J)	0.00018 (J)	0.00045 (J)					
2/7/2020	0.00016 (J)	0.00077	0.00024 (J)					
3/18/2020	0.00016 (J)	0.00052 (J)						
5/4/2020			0.00018 (J)					
9/23/2020	<0.0025	0.0009 (J)	0.00024 (J)					
2/3/2021			0.00025 (J)					
2/4/2021	0.00026 (J)	0.00042 (J)						
3/11/2021	0.00013 (J)	0.00035 (J)	0.00022 (J)					
8/25/2021	<0.0025	0.00042 (J)						
8/26/2021			0.00022 (J)	0.00046 (J)	0.00042 (J)	0.00038 (J)	0.00017 (J)	0.13
1/11/2022					0.00032 (J)	0.00025 (J)	0.00016 (J)	0.11
1/12/2022				0.00037 (J)				
3/3/2022	<0.0025		0.00034 (J)		0.00042 (J)			0.086
3/4/2022		0.00026 (J)		<0.0025		0.00034 (J)	<0.0025	
6/6/2022					0.001 (J)		<0.0025	0.042
6/7/2022				<0.0025		<0.0025		
8/16/2022		<0.0025			0.00039 (J)			
8/17/2022	<0.0025		<0.0025				<0.0025	
8/18/2022				<0.0025				0.031
8/19/2022						<0.0025		
2/15/2023	<0.0025					<0.0025	<0.0025	0.084
2/16/2023		<0.0025	0.00053 (J)	<0.0025	<0.0025			
8/11/2023				<0.0025				
8/15/2023	<0.0025							
8/16/2023		<0.0025	0.00026 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					<0.0025	<0.0025	<0.0025	0.035
2/13/2024				<0.0025				
2/14/2024						<0.0025		0.045
2/15/2024	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025	
7/30/2024	<0.0025							
7/31/2024		<0.0025	0.00024 (J)	<0.0025			<0.0025	0.027
8/1/2024					<0.0025			
8/2/2024						<0.0025		
2/11/2025		<0.0025						
2/12/2025	<0.0025			<0.0025		<0.0025		
2/13/2025			<0.0025		<0.0025		0.00022 (J)	0.039

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.0025	
10/18/2018				<0.0025		
8/26/2021	0.005					
1/11/2022	0.0048					
3/4/2022	0.004					
6/7/2022	0.0043					
8/17/2022	0.0037					
10/19/2022		0.002 (J)				
2/15/2023	0.0049					
2/16/2023		0.0013 (J)				
8/11/2023		0.0018 (J)				
8/15/2023	0.0081					
8/17/2023						0.017
9/26/2023			0.00072 (J)			
2/14/2024			0.00064 (J)			
2/15/2024	0.0062	0.0018 (J)				0.0069
7/31/2024	0.0088					
8/1/2024		0.0026	<0.0025			0.0081
2/12/2025	0.0085	0.002 (J)	0.00024 (J)	<0.0025	0.001 (J)	
2/13/2025						0.0011 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	0.0525 (U)	0.13 (U)						0.184 (U)
5/18/2016			0.025 (U)	1.04	0.325 (U)	8	0.268 (U)	
7/19/2016	7.25 (O)	0.121 (U)			0.433 (U)	7.69	0.369 (U)	0.27 (U)
7/20/2016			0.398 (U)	0.812				
9/13/2016	0.592 (U)	0.372 (U)	0.215 (U)	0.958		6.98	0.527 (U)	0.194 (U)
11/9/2016	0.221 (U)	0.217 (U)				8.78		0.219 (U)
11/10/2016			0.421	1.13			0.871	
1/17/2017	0.295 (U)	0.595						
1/18/2017			0.434 (U)	1.76		10.4	0.213 (U)	
1/19/2017					0.216 (U)			0.0745 (U)
3/13/2017	-0.13 (U)	-0.147 (U)						
3/14/2017			0.167 (U)	0.788	0.119 (U)	0.589 (O)	0.0192 (U)	0.194 (U)
4/24/2017	0.36 (U)	0.367						
4/25/2017			0.224 (U)	1.13	0.105 (U)	8.22	0.0872 (U)	0.109 (U)
8/8/2017	0.382	0.402	0.127 (U)			7.21	0.219 (U)	0.0842 (U)
8/9/2017				1.31	0.385 (U)			
8/25/2017					2.02			
9/6/2017					0.275 (U)			
3/27/2018	0.475	0.453						
3/28/2018			0.15 (U)	1.32	0.492	7.52	0.315 (U)	0.424
6/13/2018	-0.0181 (U)				0.275 (U)	8.77		0.401
6/14/2018		0.402	0.258 (U)	0.857			0.41	
9/24/2018		0.318						
9/27/2018	0.342							
9/28/2018								0.381
10/2/2018						8.72		
10/3/2018			0.178 (U)	0.943	0.72		0.65	
2/25/2019	0.394	0.44						
2/26/2019			0.179 (U)	0.65	0.113 (U)	8.93	0.395	0.307 (U)
4/1/2019	0.169 (U)	-0.00216 (U)						
4/2/2019			0.361	0.602	0.255 (U)	7.8	0.182 (U)	0.0436 (U)
9/16/2019	0.31 (U)				0.318 (U)	8.55		
9/17/2019		0.165 (U)		0.788				0.263 (U)
9/18/2019			0.189 (U)				0.299 (U)	
2/3/2020	0.283 (U)	0.0879 (U)						
2/4/2020			-0.107 (U)	1.49	0.198 (U)	8.3		
2/5/2020							-0.0263 (U)	0.327 (U)
3/16/2020	0.394 (U)	0.289 (U)						
3/17/2020			-0.139 (U)	0.964	0.207 (U)	8.88	0.258 (U)	0.6 (U)
9/21/2020		0.418 (U)	0.0688 (U)	1.07				
9/22/2020	0.729				0.954	7.65	0.0523 (U)	0.557 (U)
2/2/2021	0.243 (U)	0.202 (U)	0.182 (U)	1.05			0.167 (U)	0.354 (U)
2/3/2021					0.592 (U)	9.99		
3/10/2021		0.378 (U)	-0.177 (U)	1.47	0.144 (U)		0.224 (U)	0.218 (U)
3/11/2021	0.046 (U)					9.2		
8/23/2021		0.632						
8/24/2021	0.598			1.61	0.226 (U)	9.78	0.465 (U)	
8/25/2021			-0.121 (U)					0.645
2/28/2022				1.3				
3/1/2022	-0.0398 (U)	-0.141 (U)	0.238 (U)		0.428 (U)	9.86		
3/3/2022							0.415	0.474
8/15/2022	0.559	0.725			2.38	9.58		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			0.628	2.02			0.653	1.18
2/14/2023	0.827	0.421 (U)	0.605		0.741	8.54	-0.0224 (U)	0.753
2/15/2023				1.59				
8/14/2023	1.04	0.585 (U)						
8/15/2023			0.569 (U)	1.4	0.391 (U)	11.4	-0.139 (U)	0.426 (U)
2/13/2024	0.208 (U)	0.0248 (U)	-0.146 (U)	2.21		10.8	-0.137 (U)	0.309 (U)
2/16/2024					0.558 (U)			
7/30/2024	0.298 (U)	0.327 (U)	0.203 (U)	1.68		10.3	0.031 (U)	0.251 (U)
2/10/2025	1.59	0.453 (U)	1.15					
2/11/2025				2.44		13.1	0.699	0.383 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			0.182 (U)					0.569
5/19/2016	0.711 (U)	0.209 (U)		0.431 (U)	0.0698 (U)	0.219 (U)		
7/19/2016								0.29 (U)
7/20/2016	1.14	-0.084 (U)	-0.135 (U)	-0.263 (U)	-0.0646 (U)	0.404 (U)		
9/14/2016		0.42 (U)	0.311 (U)	0.13 (U)	0.199 (U)	0.692		0.412 (U)
9/15/2016	1.26							
11/10/2016						1		0.709
11/11/2016			0.542	0.0257 (U)	0.467			
11/14/2016	0.749							
1/24/2017								0.779
1/27/2017				0.898	0.836	0.668		
2/6/2017	1.05		0.104 (U)					
2/8/2017							0.958	
2/9/2017		0.393						
2/23/2017							0.771	
3/14/2017								0.247 (U)
3/15/2017	1.32	0.271 (U)	0.523	0.121 (U)	0.254 (U)	0.847		
3/17/2017							1.7	
4/11/2017		0.488 (U)					0.901	
4/25/2017								0.515
4/26/2017	1.07	0.14 (U)	0.069 (U)	0.0309 (U)	0.267 (U)	0.408 (U)	0.434	
5/17/2017							0.632	
6/7/2017							1.06	
7/11/2017							0.716	
8/9/2017						0.816		1.7
8/10/2017	1.88	0.379	0.189 (U)	0.326 (U)	0.912			
3/29/2018	2.31	0.278 (U)		0.461	0.419	0.51	0.58	
3/30/2018			0.575					0.0985 (U)
6/14/2018	1.86	0.157 (U)	0.523	0.275 (U)	-0.263 (U)	0.463	0.55	0.171 (U)
10/3/2018								0.766
10/4/2018	2.44	0.48	0.84	1.18	1.29	0.99	0.563	
2/27/2019	2.42		0.236 (U)	0.374	0.415	1.08	0.538	0.363 (U)
2/28/2019		0.271 (U)						
4/3/2019	1.55	0.0621 (U)		0.187 (U)	0.264 (U)	0.446	0.497	
4/4/2019			0.233 (U)					0.418
9/18/2019						0.392	0.376 (U)	0.484
9/19/2019	2.06	0.537	0.124 (U)	0.338 (U)	0.329 (U)			
2/5/2020		-0.137 (U)	0.0961 (U)	0.163 (U)	0.225 (U)	0.609	0.5	
2/7/2020	1.66							0.125 (U)
3/18/2020			0.461 (U)	0.866	-0.0262 (U)			0.303 (U)
3/19/2020	1.21	0.23 (U)				0.47	0.376 (U)	
9/22/2020	1.75							
9/23/2020		0.0587 (U)	0.442 (U)		0.785			0.448 (U)
9/24/2020				1.2		1.02	0.796	
2/3/2021	2			0.718	0.322 (U)			
2/4/2021		0.353 (U)	0.0332 (U)			0.139 (U)	0.564	0.488 (U)
3/11/2021	2.38		0.42 (U)			0.473	0.764	
3/12/2021		0.831		0.0729 (U)	0.633			0.591
8/25/2021				0.401	0.443 (U)	0.913	0.705	
8/26/2021	2.87	0.681	0.321 (U)					0.678
3/3/2022	3.18	0.431 (U)	0.587	0.622		0.621	0.956	0.358 (U)
3/4/2022					0.408			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	2.4			0.5				
8/17/2022		0.139 (U)						0.563
8/18/2022					0.279 (U)	0.719		
8/19/2022			0.497 (U)				0.932	
2/15/2023		0.0109 (U)						0.0878 (U)
2/16/2023	3.04		0.326 (U)	0.417 (U)	0.388 (U)	0.2 (U)	0.455 (U)	
8/15/2023	2.65							
8/16/2023		0.209 (U)		0.297 (U)	0.45 (U)	-0.09 (U)	0.277 (U)	0.0271 (U)
8/17/2023			-0.112 (U)					
2/13/2024	2.44							
2/14/2024		0.279 (U)			0.813			
2/15/2024			0.126 (U)			0.585	0.482 (U)	0.607
2/16/2024				-0.00801 (U)				
7/31/2024			1.33	0.791	1.07	0.823		1.17
8/1/2024	1.73	0.818						
8/2/2024							0.774	
2/11/2025	3.46	2.41		1.28	0.892			
2/12/2025						0.589	0.968	
2/13/2025			0.44 (U)					1.11

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	1.03	0.116 (U)						
7/19/2016	2.39							
7/20/2016		0.247 (U)						
9/14/2016	3.05	0.594						
11/10/2016	2.87	0.431						
11/11/2016			-0.11 (U)					
1/20/2017		1.35						
1/24/2017	2.68							
2/6/2017			0.471					
3/14/2017		-0.107 (U)						
3/15/2017	1.64		0.255 (U)					
4/11/2017			0.19 (U)					
4/25/2017	0.878	0.228 (U)						
4/26/2017			0.22 (U)					
6/7/2017			0.126 (U)					
7/11/2017			0.511					
8/9/2017	2.5	-0.0246 (U)						
8/10/2017			0.882					
3/29/2018	1.6		0.252 (U)					
3/30/2018		0.135 (U)						
6/14/2018	1.09	-0.373 (U)	0.0458 (U)					
10/4/2018	1.99	0.775	0.381					
2/26/2019		0.431						
2/27/2019	0.721							
2/28/2019			0.254 (U)					
4/2/2019			0.209 (U)					
4/4/2019	0.632	0.386						
9/18/2019	0.278 (U)	0.167 (U)	0.403 (U)					
2/7/2020	0.797	0.244 (U)	0.2 (U)					
3/18/2020	0.437	0.0655 (U)						
5/4/2020			0.0697 (U)					
9/23/2020	0.276 (U)	0.643	1.18					
2/3/2021			0.684					
2/4/2021	0.727	0.438 (U)						
3/11/2021	0.942	0.247 (U)	0.286 (U)					
8/25/2021	0.518	0.565						
8/26/2021			0.796	1.6	1.17	3.54	0.703	1.63
1/11/2022					0.919	6.91	0.218 (U)	0.749
1/12/2022				1.09				
3/3/2022	0.573		0.909		1.31			0.893
3/4/2022		0.573		0.925		7.57	0.437 (U)	
6/6/2022					2.61		1.45	0.845
6/7/2022				0.67		4.67		
8/16/2022		0.668			1.35			
8/17/2022	0.946		0.155 (U)				0.976	
8/18/2022				0.994				1.03
8/19/2022						3.07		
2/15/2023	0.734					5.98	0.985	0.974
2/16/2023		0.121 (U)	0.248 (U)	0.853	0.617			
8/11/2023				0.591 (U)				
8/15/2023	0.732							
8/16/2023		0.533 (U)	0.369 (U)					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					2.44	4.47	1.91	1.62
2/13/2024				1.06				
2/14/2024						5.46		0.674
2/15/2024	0.582	0.257 (U)	0.523		1.3		0.232 (U)	
7/30/2024	0.628							
7/31/2024		0.594 (U)	1.53	1.15			1.69	1.34
8/1/2024					0.417 (U)			
8/2/2024						4.11		
2/11/2025		0.639 (U)						
2/12/2025	1.14			1.12		4.31		
2/13/2025			0.187 (U)		1.7		1.31 (U)	0.801

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					0.476	
10/18/2018				0.314 (U)		
8/26/2021	1.12					
1/11/2022	0.606					
3/4/2022	0.818					
6/7/2022	0.5					
8/17/2022	0.763					
10/19/2022		0.185 (U)				
2/15/2023	0.873					
2/16/2023		2.16				
8/11/2023		3.88				
8/15/2023	0.581 (U)					
8/17/2023						1.44
9/26/2023			15.4			
2/14/2024			13.3			
2/15/2024	0.672	5.82				1.06
7/31/2024	1.25					
8/1/2024		5.4	7.77			1.07
2/12/2025	1.43	5.08	7.79	0.557	0.8	
2/13/2025						0.648

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	0.0131 (J)	0.0538 (J)						0.284 (J)
5/18/2016			0.029 (J)	0.164 (J)	0.014 (J)	0.106 (J)	0.018 (J)	
7/19/2016	<0.2	<0.2			<0.2	0.11 (J)	<0.2	0.21
7/20/2016			<0.2	0.17 (J)				
9/13/2016	<0.2	<0.2	<0.2	0.15 (J)		0.11 (J)	<0.2	0.15 (J)
9/14/2016					0.095 (J)			
11/9/2016	<0.2	0.085 (J)				0.1 (J)		<0.2
11/10/2016			<0.2	0.12 (J)			<0.2	
1/17/2017	<0.2	<0.2						
1/18/2017			<0.2	0.15 (J)		0.11 (J)	<0.2	
1/19/2017					<0.2			0.087 (J)
3/13/2017	<0.2	<0.2						
3/14/2017			<0.2	0.13 (J)	<0.2	<0.2	<0.2	<0.2
4/24/2017	<0.2	<0.2						
4/25/2017			<0.2	0.12 (J)	<0.2	<0.2	<0.2	<0.2
8/8/2017	<0.2	<0.2	<0.2			0.099 (J)	<0.2	0.087 (J)
8/9/2017				0.14 (J)	<0.2			
8/25/2017					<0.2			
10/10/2017	<0.2	0.18 (J)						
10/11/2017			<0.2	0.14 (J)	<0.2	0.098 (J)	<0.2	0.09 (J)
3/27/2018	<0.2	<0.2						
3/28/2018			<0.2	0.12 (J)	<0.2	0.088 (J)	<0.2	0.11 (J)
6/13/2018	<0.2				<0.2	0.093 (J)		0.085 (J)
6/14/2018		<0.2	<0.2	0.12 (J)			<0.2	
9/24/2018		<0.2						
9/27/2018	<0.2							
9/28/2018								0.082 (J)
10/2/2018						0.13 (J)		
10/3/2018			<0.2	0.13 (J)	<0.2		<0.2	
2/25/2019	<0.2	0.032 (J)						
2/26/2019			<0.2	0.14 (J)	<0.2	0.074 (J)	<0.2	0.23
4/1/2019	<0.2	0.061 (J)						
4/2/2019			0.039 (J)	0.14 (J)	<0.2	0.09 (J)	<0.2	0.21
9/16/2019	0.03 (J)				<0.2	0.1 (J)		
9/17/2019		0.061 (J)		0.14 (J)				0.079 (J)
9/18/2019			0.033 (J)				0.027 (J)	
2/3/2020	0.032 (J)	0.061 (J)						
2/4/2020			0.031 (J)	0.13	<0.2	0.13		
2/5/2020							0.026 (J)	0.12
3/16/2020	0.042 (J)	0.052 (J)						
3/17/2020			0.04 (J)	0.11	<0.2	0.037 (J)	0.044 (J)	<0.2
9/21/2020		0.037 (J)	<0.2	0.091 (J)				
9/22/2020	<0.2				<0.2	0.068 (J)	<0.2	0.1
2/2/2021	0.028 (J)	0.065 (J)	0.035 (J)	0.15			<0.2	0.071 (J)
2/3/2021					<0.2	0.088 (J)		
3/10/2021		0.045 (J)	<0.2	0.12	<0.2		<0.2	0.046 (J)
3/11/2021	<0.2					0.092 (J)		
8/23/2021		0.097 (J)						
8/24/2021	0.062 (J)			0.17	0.073 (J)	0.16	0.054 (J)	
8/25/2021			0.077 (J)					0.13
2/28/2022				0.083 (J)				
3/1/2022	<0.2	0.058 (J)	<0.2		<0.2	0.063 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
3/3/2022							0.038 (J)	0.078 (J)
8/15/2022	<0.2	0.057 (J)			<0.2	0.093 (J)		
8/16/2022			<0.2	0.12			<0.2	0.06 (J)
2/14/2023	<0.2	0.07 (J)	0.041 (J)		<0.2	0.11	<0.2	0.053 (J)
2/15/2023				0.14				
8/14/2023	<0.2	0.061 (J)						
8/15/2023			0.04 (J)	0.14	<0.2	0.12	<0.2	0.051 (J)
2/13/2024	<0.2	<0.2	<0.2	0.087 (J)		0.07 (J)	<0.2	0.076 (J)
2/16/2024					<0.2			
7/30/2024	<0.2	0.044 (J)	<0.2	0.089 (J)		0.09 (J)	<0.2	0.057 (J)
2/10/2025	<0.2	<0.2	<0.2					
2/11/2025				<0.2		<0.2	<0.2	<0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			0.206 (J)					0.779
5/19/2016	0.304	1.58		0.039 (J)	0.12 (J)	0.384		
7/19/2016								0.97
7/20/2016	0.27	2	0.23	<0.2	0.11 (J)	0.34		
9/14/2016		1.8	0.17 (J)	<0.2	0.095 (J)	0.31		0.89
9/15/2016	0.24							
11/10/2016						0.26		0.88
11/11/2016			0.14 (J)	<0.2	<0.2			
11/14/2016	0.2							
1/24/2017								0.92
1/27/2017				<0.2	<0.2	0.28		
2/6/2017	0.27		0.15 (J)					
2/8/2017							<0.2	
2/9/2017		1.3						
2/23/2017							<0.2	
3/14/2017								0.77
3/15/2017	0.25	1.3	0.16 (J)	<0.2	<0.2	0.3		
3/17/2017							<0.2	
4/11/2017		1.4					<0.2	
4/25/2017								0.95
4/26/2017	0.31	1.5	0.17 (J)	<0.2	<0.2	0.33	<0.2	
5/17/2017							<0.2	
6/7/2017							<0.2	
7/11/2017							<0.2	
8/9/2017						0.32		0.91
8/10/2017	0.37	1.6	0.2	<0.2	0.11 (J)			
10/11/2017							<0.2	0.88
10/12/2017	0.35	1.5	0.14 (J)	<0.2	0.091 (J)	0.28		
3/29/2018	0.36	1.4		<0.2	0.089 (J)	0.27	<0.2	
3/30/2018			0.13 (J)					0.79
6/14/2018	0.56	1.4	0.15 (J)	<0.2	0.1 (J)	0.27	<0.2	0.79
10/3/2018								0.79
10/4/2018	0.27	1.4	0.18 (J)	<0.2	0.12 (J)	0.23	<0.2	
2/27/2019	0.054 (J)		0.21	0.047 (J)	0.06 (J)	0.25	<0.2	0.81
2/28/2019		1.4						
4/3/2019	0.5	1.3		0.048 (J)	0.084 (J)	0.24	0.048 (J)	
4/4/2019			0.13 (J)					0.78
9/18/2019						0.22	0.035 (J)	0.81
9/19/2019	0.42	1.3	0.13 (J)	0.037 (J)	0.093 (J)			
2/5/2020		1.3	0.14	0.045 (J)	0.098 (J)	0.2	0.04 (J)	
2/7/2020	0.25							0.79
3/18/2020			0.052 (J)	<0.2	0.033 (J)			0.71
3/19/2020	0.057 (J)	1				0.15	<0.2	
9/22/2020	0.14							
9/23/2020		0.82	0.09 (J)		0.064 (J)			0.63
9/24/2020				0.18		<0.2	0.028 (J)	
2/3/2021	0.15			0.027 (J)	0.082 (J)			
2/4/2021		0.91	0.12			0.16	0.033 (J)	0.69
3/11/2021	0.16		0.15			0.18	0.04 (J)	
3/12/2021		0.98		0.044 (J)	0.096 (J)			0.88
8/25/2021				0.056 (J)	0.14	0.2	0.071 (J)	
8/26/2021	0.21	1	0.16					0.77

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
3/3/2022	0.19	1	0.067 (J)	0.055 (J)		0.21	0.057 (J)	0.88
3/4/2022					0.068 (J)			
8/16/2022	0.21			<0.2				
8/17/2022		0.9						0.68
8/18/2022					0.073 (J)	0.14		
8/19/2022			0.1				<0.2	
2/15/2023		0.85						0.73
2/16/2023	0.14		0.11	0.041 (J)	0.089 (J)	0.15	<0.2	
8/15/2023	0.15 (J)							
8/16/2023		0.9		0.041 (J)	0.083 (J)	0.13	0.04 (J)	0.73
8/17/2023			0.1					
2/13/2024	<0.2							
2/14/2024		0.73			0.044 (J)			
2/15/2024			<0.2			0.21 (J)	<0.2	0.89
2/16/2024				<0.2				
7/31/2024			0.1	<0.2	0.077 (J)	0.15		0.62
8/1/2024	<0.2	0.9						
8/2/2024							<0.2	
2/11/2025	<0.2	0.4		<0.2	<0.2			
2/12/2025						<0.2	<0.2	
2/13/2025			<0.2					0.72

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	0.1 (J)	0.121 (J)						
7/19/2016	0.14 (J)							
7/20/2016		0.16 (J)						
9/14/2016	0.18 (J)	0.19 (J)						
11/10/2016	0.11 (J)	0.15 (J)						
11/11/2016			0.32					
1/20/2017		0.18 (J)						
1/24/2017	0.15 (J)							
2/6/2017			0.45					
3/14/2017		0.11 (J)						
3/15/2017	0.1 (J)		0.37					
4/11/2017			0.37					
4/25/2017	0.13 (J)	0.13 (J)						
4/26/2017			0.4					
6/7/2017			0.35					
7/11/2017			0.39					
8/9/2017	0.18 (J)	0.19 (J)						
8/10/2017			0.42					
10/11/2017	<0.2	0.14 (J)						
10/12/2017			0.36					
3/29/2018	0.13 (J)		0.34					
3/30/2018		0.095 (J)						
6/14/2018	<0.2	0.11 (J)	0.35					
10/4/2018	0.85 (J)	0.11 (J)	0.35					
2/26/2019		0.068 (J)						
2/27/2019	0.47							
2/28/2019			0.28					
4/2/2019			0.33					
4/4/2019	0.08 (J)	0.087 (J)						
9/18/2019	0.058 (J)	0.066 (J)	0.32					
2/7/2020	0.072 (J)	0.079 (J)	0.35					
3/18/2020	0.084 (J)	<0.2						
5/4/2020			0.36					
9/23/2020	0.049 (J)	0.05 (J)	0.25					
2/3/2021			0.3					
2/4/2021	0.052 (J)	0.064 (J)						
3/8/2021				1.8				
3/9/2021					1.7	1.1	0.092 (J)	1
3/11/2021	0.061 (J)	0.05 (J)	0.31					
4/7/2021					1.6		0.093 (J)	1.1
4/8/2021				1.7		1.4		
8/25/2021	0.099 (J)	0.093 (J)						
8/26/2021			0.38	2	2	0.51	0.081 (J)	1.2
1/11/2022					1.9	0.45	0.045 (J)	1
1/12/2022				1.8				
3/3/2022	0.067 (J)		0.4		1.8			0.71
3/4/2022		0.06 (J)		2		0.42	0.045 (J)	
6/6/2022					1.9		0.028 (J)	0.43
6/7/2022				2.5		0.37		
8/16/2022		0.06 (J)			1.8			
8/17/2022	0.062 (J)		0.28				0.043 (J)	
8/18/2022				2				0.24

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/19/2022						0.31		
2/15/2023	0.076 (J)					0.31	0.048 (J)	0.63
2/16/2023		0.069 (J)	0.33	1.9	1.9			
8/11/2023				2.1				
8/15/2023	0.065 (J)							
8/16/2023		0.064 (J)	0.34					
8/17/2023					1.8	0.32	0.045 (J)	0.28
2/13/2024				<0.2				
2/14/2024						0.23		<0.2
2/15/2024	<0.2	<0.2	0.4		2.2		<0.2	
7/30/2024	<0.2							
7/31/2024		0.049 (J)	0.28	1.8			0.045 (J)	0.1 (J)
8/1/2024					<0.2			
8/2/2024						<0.2		
2/11/2025		<0.2						
2/12/2025	<0.2			<0.2		<0.2		
2/13/2025			0.058 (J)		<0.2		<0.2	<0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					0.47	
10/18/2018				0.6		
3/8/2021	<0.2					
3/9/2021						0.26
4/7/2021						0.22
4/8/2021	0.028 (J)					
8/26/2021	0.047 (J)					
1/11/2022	0.028 (J)					
3/4/2022	0.038 (J)					
6/7/2022	<0.2					
8/17/2022	<0.2					
10/19/2022		0.52				
2/15/2023	<0.2					
2/16/2023		0.92				
8/11/2023		1.1				
8/15/2023	0.049 (J)					
8/17/2023						0.22
9/26/2023			1.6			
11/7/2023			2.1			
2/14/2024			<0.2			
2/15/2024	<0.2	1.2				0.29 (J)
7/31/2024	<0.2					
8/1/2024		0.66	<0.2			0.1 (J)
12/9/2024					0.27	
1/8/2025				0.33		
2/12/2025	<0.2	<0.2	<0.2	<0.2	0.13	
2/13/2025						<0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.001	<0.001						<0.001
5/18/2016			<0.001	<0.001	<0.001	<0.001	<0.001	
7/19/2016	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
7/20/2016			<0.001	<0.001				
9/13/2016	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
9/14/2016					<0.001			
11/9/2016	<0.001	<0.001				<0.001		<0.001
11/10/2016			<0.001	<0.001			<0.001	
1/17/2017	<0.001	<0.001						
1/18/2017			<0.001	<0.001		<0.001	<0.001	
1/19/2017					<0.001			<0.001
3/13/2017	<0.001	<0.001						
3/14/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/24/2017	<0.001	<0.001						
4/25/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2017	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
8/9/2017				<0.001	<0.001			
8/25/2017					<0.001			
3/27/2018	<0.001	<0.001						
3/28/2018			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/25/2019	<0.001	0.00019 (J)						
2/26/2019			<0.001	0.00046 (J)	0.00028 (J)	0.00037 (J)	<0.001	<0.001
4/1/2019	<0.001	<0.001						
4/2/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019	<0.001				<0.001	<0.001		
9/17/2019		<0.001		<0.001				<0.001
9/18/2019			<0.001				<0.001	
2/3/2020	<0.001	0.00013 (J)						
2/4/2020			0.00013 (J)	0.00019 (J)	0.00024 (J)	<0.001		
2/5/2020							<0.001	<0.001
3/16/2020	0.00021 (J)	0.00018 (J)						
3/17/2020			0.00019 (J)	0.00016 (J)	<0.001	0.00017 (J)	<0.001	<0.001
9/21/2020		<0.001	<0.001	<0.001				
9/22/2020	<0.001				<0.001	<0.001	<0.001	<0.001
2/2/2021	0.00015 (J)	0.00015 (J)	<0.001	<0.001			<0.001	<0.001
2/3/2021					0.00019 (J)	<0.001		
3/10/2021		0.00019 (J)	<0.001	<0.001	<0.001		<0.001	<0.001
3/11/2021	<0.001					<0.001		
8/23/2021		0.00023 (J)						
8/24/2021	<0.001			<0.001	<0.001	<0.001	<0.001	
8/25/2021			<0.001					<0.001
2/28/2022				<0.001				
3/1/2022	<0.001	<0.001	<0.001		<0.001	<0.001		
3/3/2022							<0.001	<0.001
8/15/2022	<0.001	<0.001			<0.001	0.00019 (J)		
8/16/2022			<0.001	<0.001			<0.001	<0.001
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2/15/2023				<0.001				
8/14/2023	<0.001	<0.001						
8/15/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/16/2024					<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
7/30/2024	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/10/2025	<0.001	<0.001	<0.001					
2/11/2025				0.0015		<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.001					<0.001
5/19/2016	<0.001	<0.001		<0.001	<0.001	<0.001		
7/19/2016								<0.001
7/20/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
9/14/2016		<0.001	<0.001	<0.001	<0.001	0.00055 (J)		<0.001
9/15/2016	<0.001							
11/10/2016						0.00047 (J)		<0.001
11/11/2016			<0.001	<0.001	<0.001			
11/14/2016	<0.001							
1/24/2017								<0.001
1/27/2017				<0.001	<0.001	<0.001		
2/6/2017	<0.001		<0.001					
2/8/2017							<0.001	
2/9/2017		<0.001						
2/23/2017							<0.001	
3/14/2017								<0.001
3/15/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/17/2017							<0.001	
4/11/2017		<0.001					<0.001	
4/25/2017								<0.001
4/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
5/17/2017							<0.001	
6/7/2017							<0.001	
7/11/2017							<0.001	
8/9/2017						<0.001		<0.001
8/10/2017	<0.001	<0.001	<0.001	<0.001	<0.001			
3/29/2018	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	
3/30/2018			<0.001					<0.001
2/27/2019	0.00017 (J)		0.00023 (J)	0.00058 (J)	<0.001	0.00068 (J)	<0.001	<0.001
2/28/2019		0.00014 (J)						
4/3/2019	<0.001	<0.001		<0.001	<0.001	0.00047 (J)	<0.001	
4/4/2019			<0.001					<0.001
9/18/2019						0.00045 (J)	<0.001	<0.001
9/19/2019	<0.001	<0.001	0.00041 (J)	<0.001	<0.001			
2/5/2020		<0.001	0.00016 (J)	<0.001	<0.001	0.00045 (J)	<0.001	
2/7/2020	<0.001							<0.001
3/18/2020			0.00021 (J)	<0.001	<0.001			<0.001
3/19/2020	0.00016 (J)	<0.001				0.0006 (J)	0.00017 (J)	
9/22/2020	0.00013 (J)							
9/23/2020		<0.001	0.00013 (J)		<0.001			<0.001
9/24/2020				0.00037 (J)		<0.001	0.00018 (J)	
2/3/2021	0.00013 (J)			<0.001	<0.001			
2/4/2021		<0.001	0.00019 (J)			0.00038 (J)	0.00013 (J)	0.0003 (J)
3/11/2021	<0.001		0.00032 (J)			0.00075 (J)	0.00031 (J)	
3/12/2021		<0.001		0.00038 (J)	<0.001			<0.001
8/25/2021				0.00023 (J)	<0.001	0.00025 (J)	0.00041 (J)	
8/26/2021	0.00014 (J)	<0.001	0.00026 (J)					<0.001
3/3/2022	0.00052 (J)	<0.001	0.00025 (J)	<0.001		0.00023 (J)	0.00057 (J)	<0.001
3/4/2022					0.00033 (J)			
8/16/2022	0.00041 (J)			<0.001				
8/17/2022		<0.001						<0.001
8/18/2022					<0.001	0.0011		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/19/2022			0.0003 (J)				0.00036 (J)	
2/15/2023		<0.001						<0.001
2/16/2023	0.00029 (J)		<0.001	<0.001	<0.001	0.00027 (J)	0.00024 (J)	
8/15/2023	<0.001							
8/16/2023		<0.001		<0.001	<0.001	0.00025 (J)	0.00022 (J)	<0.001
8/17/2023			<0.001					
2/13/2024	<0.001							
2/14/2024		<0.001			<0.001			
2/15/2024			0.0007 (J)			<0.001	0.00029 (J)	<0.001
2/16/2024				<0.001				
7/31/2024			<0.001	<0.001	<0.001	0.00026 (J)		<0.001
8/1/2024	<0.001	<0.001						
8/2/2024							<0.001	
2/11/2025	0.00023 (J)	<0.001		<0.001	<0.001			
2/12/2025						0.00022 (J)	<0.001	
2/13/2025			<0.001					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.001	<0.001						
7/19/2016	<0.001							
7/20/2016		<0.001						
9/14/2016	<0.001	<0.001						
11/10/2016	<0.001	<0.001						
11/11/2016			<0.001					
1/20/2017		<0.001						
1/24/2017	<0.001							
2/6/2017			<0.001					
3/14/2017		<0.001						
3/15/2017	<0.001		<0.001					
4/11/2017			<0.001					
4/25/2017	<0.001	<0.001						
4/26/2017			<0.001					
6/7/2017			<0.001					
7/11/2017			<0.001					
8/9/2017	<0.001	<0.001						
8/10/2017			<0.001					
3/29/2018	<0.001		<0.001					
3/30/2018		<0.001						
2/26/2019		0.00033 (J)						
2/27/2019	0.00014 (J)							
2/28/2019			<0.001					
4/2/2019			<0.001					
4/4/2019	<0.001	<0.001						
9/18/2019	<0.001	<0.001	<0.001					
2/7/2020	<0.001	<0.001	<0.001					
3/18/2020	<0.001	0.0002 (J)						
5/4/2020			<0.001					
9/23/2020	<0.001	<0.001	<0.001					
2/3/2021			<0.001					
2/4/2021	0.00013 (J)	<0.001						
3/11/2021	<0.001	<0.001	<0.001					
8/25/2021	<0.001	<0.001						
8/26/2021			<0.001	<0.001	<0.001	0.00022 (J)	<0.001	0.0012
1/11/2022					<0.001	0.00023 (J)	<0.001	0.00082 (J)
1/12/2022				<0.001				
3/3/2022	<0.001		0.0003 (J)		<0.001			0.00076 (J)
3/4/2022		<0.001		<0.001		0.00036 (J)	<0.001	
6/6/2022					<0.001		<0.001	0.00047 (J)
6/7/2022				<0.001		<0.001		
8/16/2022		<0.001			<0.001			
8/17/2022	<0.001		<0.001				<0.001	
8/18/2022				<0.001				0.00032 (J)
8/19/2022						0.00037 (J)		
2/15/2023	<0.001					0.00023 (J)	0.0046	0.00056 (J)
2/16/2023		<0.001	<0.001	<0.001	<0.001			
8/11/2023				<0.001				
8/15/2023	<0.001							
8/16/2023		<0.001	<0.001					
8/17/2023					<0.001	<0.001	<0.001	0.00029 (J)
2/13/2024				<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
2/14/2024						<0.001		0.00037 (J)
2/15/2024	<0.001	<0.001	<0.001		<0.001		<0.001	
7/30/2024	<0.001							
7/31/2024		<0.001	<0.001	<0.001			<0.001	0.00025 (J)
8/1/2024					<0.001			
8/2/2024						<0.001		
2/11/2025		<0.001						
2/12/2025	<0.001			<0.001		<0.001		
2/13/2025			<0.001		<0.001		0.002	0.0005 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
8/26/2021	<0.001					
1/11/2022	<0.001					
3/4/2022	<0.001					
6/7/2022	<0.001					
8/17/2022	<0.001					
10/19/2022		<0.001				
2/15/2023	<0.001					
2/16/2023		<0.001				
8/11/2023		<0.001				
8/15/2023	<0.001					
8/17/2023						<0.001
9/26/2023			<0.001			
2/14/2024			0.00022 (J)			
2/15/2024	<0.001	<0.001				<0.001
7/31/2024	<0.001					
8/1/2024		<0.001	<0.001			<0.001
2/12/2025	0.00065 (J)	<0.001	<0.001	<0.001	<0.001	
2/13/2025						0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.05 (O)	<0.05 (O)						<0.05 (O)
5/18/2016			<0.05 (O)	<0.05 (O)	<0.05 (O)	<0.05 (O)	<0.05 (O)	
7/19/2016	<0.005	0.005			<0.005	0.0043 (J)	<0.005	<0.005
7/20/2016			<0.005	0.0041 (J)				
9/13/2016	<0.005	0.0075	<0.005	0.0042 (J)		0.0045 (J)	<0.005	<0.005
9/14/2016					<0.005			
11/9/2016	0.0032 (J)	0.0078				0.0036 (J)		<0.005
11/10/2016			<0.005	0.0048 (J)			<0.005	
1/17/2017	<0.005	0.009						
1/18/2017			<0.005	0.0033 (J)		0.0046 (J)	<0.005	
1/19/2017					<0.005			<0.005
3/13/2017	<0.005	0.0069						
3/14/2017			<0.005	0.0033 (J)	<0.005	0.0038 (J)	<0.005	<0.005
4/24/2017	<0.005	0.0049 (J)						
4/25/2017			<0.005	0.0037 (J)	<0.005	<0.005	<0.005	<0.005
8/8/2017	0.0032 (J)	0.0075	<0.005			0.0043 (J)	<0.005	<0.005
8/9/2017				0.0042 (J)	<0.005			
8/25/2017					<0.005			
3/27/2018	0.0045 (J)	0.0081						
3/28/2018			0.0013 (J)	0.0056	<0.005	0.0064	0.0014 (J)	0.0012 (J)
6/13/2018	0.0033 (J)				<0.005	0.0041 (J)		<0.005
6/14/2018		0.0072	0.0012 (J)	0.0045 (J)			<0.005	
9/24/2018		0.0082						
9/27/2018	0.0042 (J)							
9/28/2018								0.0013 (J)
10/2/2018						0.0038 (J)		
10/3/2018			0.0012 (J)	0.005	<0.005		<0.005	
2/25/2019	0.0049 (J)	0.0072						
2/26/2019			<0.005	0.0069	<0.005	0.0068	<0.005	<0.005
4/1/2019	0.0044 (J)	0.0055						
4/2/2019			<0.005	0.0036 (J)	0.0016 (J)	0.0052	<0.005	0.0012 (J)
9/16/2019	0.004 (J)				0.028 (O)	0.032 (O)		
9/17/2019		0.0083		0.0049 (J)				<0.005
9/18/2019			<0.005				<0.005	
2/3/2020	<0.005	0.0085						
2/4/2020			<0.005	0.0055	<0.005	0.0053		
2/5/2020							<0.005	<0.005
3/16/2020	0.0053	0.0083						
3/17/2020			<0.005	0.0059	<0.005	0.0055	<0.005	<0.005
9/21/2020		0.0075	<0.005	0.005				
9/22/2020	0.0036 (J)				<0.005	0.0049 (J)	<0.005	<0.005
2/2/2021	<0.005	0.0065	<0.005	0.0039 (J)			<0.005	<0.005
2/3/2021					<0.005	0.0047 (J)		
3/10/2021		0.0075	<0.005	0.0049 (J)	<0.005		<0.005	<0.005
3/11/2021	0.0039 (J)					0.005		
8/23/2021		0.0066						
8/24/2021	<0.005			0.0036 (J)	<0.005	0.0041 (J)	<0.005	
8/25/2021			<0.005					<0.005
2/28/2022				0.005				
3/1/2022	0.0029 (J)	0.0085	<0.005		<0.005	0.006		
3/3/2022							<0.005	<0.005
8/15/2022	0.0032 (J)	0.007			<0.005	0.0047 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.005	0.0043 (J)			<0.005	<0.005
2/14/2023	0.0029 (J)	0.006	<0.005		<0.005	0.0045 (J)	<0.005	<0.005
2/15/2023				0.0041 (J)				
8/14/2023	<0.005	0.0026 (J)						
8/15/2023			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	0.0049 (J)	0.0082	<0.005	0.0061		0.0054	<0.005	0.0028 (J)
2/16/2024					<0.005			
7/30/2024	0.002 (J)	0.004 (J)	<0.005	<0.005		0.0027 (J)	<0.005	<0.005
2/10/2025	0.0091	0.013	<0.005					
2/11/2025				<0.005		<0.005	<0.005	0.0047 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			0.032 (J)					<0.005
5/19/2016	0.0215 (J)	0.0335 (J)		<0.005	<0.05	<0.005		
7/19/2016								0.0036 (J)
7/20/2016	0.026	0.024	0.021	<0.005	0.0057	<0.005		
9/14/2016		0.039	0.02	<0.005	0.0077	<0.005		<0.005
9/15/2016	0.057							
11/10/2016						0.0038 (J)		0.0064
11/11/2016			0.017	<0.005	0.007			
11/14/2016	0.017							
1/24/2017								0.0075
1/27/2017				<0.005	0.0074	<0.005		
2/6/2017	0.012		0.016					
2/8/2017							0.0039 (J)	
2/9/2017		0.04						
2/23/2017							<0.005	
3/14/2017								0.0057
3/15/2017	0.014	0.035	0.014	<0.005	0.0077	<0.005		
3/17/2017							<0.005	
4/11/2017		0.034					<0.005	
4/25/2017								0.0059
4/26/2017	0.0091	0.029	0.011	<0.005	0.0011	<0.005	<0.005	
5/17/2017							0.0033 (J)	
6/7/2017							<0.005	
7/11/2017							<0.005	
8/9/2017						<0.005		0.0068
8/10/2017	0.013	0.038	0.011	<0.005	0.0064			
3/29/2018	0.018	0.048		0.0018 (J)	0.01	0.0022 (J)	0.0025 (J)	
3/30/2018			0.016					0.0077
6/14/2018	0.015	0.034	0.0084	0.0011 (J)	0.0062	0.0018 (J)	0.0018 (J)	0.0052
10/3/2018								0.006
10/4/2018	0.013	0.039	0.0085	0.0014 (J)	0.0066	0.0025 (J)	0.0016 (J)	
2/27/2019	0.014		0.0068	<0.005	0.0068	<0.005	<0.005	0.0055
2/28/2019		0.037						
4/3/2019	0.015	0.035		<0.005	0.0075	<0.005	0.0015 (J)	
4/4/2019			0.0059					0.0054
9/18/2019						<0.005	<0.005	0.0054
9/19/2019	0.014	0.036	0.0075	<0.005	0.0067			
2/5/2020		0.034	0.0061	<0.005	0.0063	<0.005	<0.005	
2/7/2020	0.014							0.0068
3/18/2020			0.0071	<0.005	0.0081			0.0086
3/19/2020	0.015	0.039				<0.005	<0.005	
9/22/2020	0.013							
9/23/2020		0.033	0.0054		0.007			0.0071
9/24/2020				<0.005		<0.005	<0.005	
2/3/2021	0.014			<0.005	0.0075			
2/4/2021		0.035	0.0049 (J)			<0.005	<0.005	0.0086
3/11/2021	0.013		0.0051			0.0037 (J)	0.0035 (J)	
3/12/2021		0.034		<0.005	0.0089			0.0096
8/25/2021				<0.005	0.0061	<0.005	<0.005	
8/26/2021	0.013	0.03	0.0044 (J)					0.0059
3/3/2022	0.014	0.03	0.0038 (J)	<0.005		0.0018 (J)	0.0019 (J)	0.0068
3/4/2022					0.0061			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	0.014			0.00092 (J)				
8/17/2022		0.028						0.0073
8/18/2022					0.0063	0.0024 (J)		
8/19/2022			0.0049 (J)				0.0021 (J)	
2/15/2023		0.033						0.0062
2/16/2023	0.01		0.0025 (J)	<0.005	0.0036 (J)	<0.005	<0.005	
8/15/2023	0.0084							
8/16/2023		0.03		<0.005	0.0056	<0.005	<0.005	0.0055
8/17/2023			0.0024 (J)					
2/13/2024	0.012							
2/14/2024		0.026			0.0045 (J)			
2/15/2024			0.0088			<0.005	<0.005	0.0055
2/16/2024				<0.005				
7/31/2024			0.0048 (J)	0.0025 (J)	0.0089	0.0026 (J)		0.01
8/1/2024	0.016	0.032						
8/2/2024							<0.005	
2/11/2025	0.011	0.029		<0.005	0.0032 (J)			
2/12/2025						<0.005	<0.005	
2/13/2025			<0.005					0.0052

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.005	<0.05						
7/19/2016	0.0091							
7/20/2016		0.0042 (J)						
9/14/2016	0.012	0.0058						
11/10/2016	0.013	0.0066						
11/11/2016			0.045					
1/20/2017		0.0044 (J)						
1/24/2017	0.011							
2/6/2017			0.05					
3/14/2017		0.0048 (J)						
3/15/2017	0.01		0.052					
4/11/2017			0.048					
4/25/2017	0.0081	0.0049 (J)						
4/26/2017			0.044					
6/7/2017			0.047					
7/11/2017			0.045					
8/9/2017	0.013	0.0067						
8/10/2017			0.056					
3/29/2018	0.015		0.072					
3/30/2018		0.0067						
6/14/2018	0.009	0.0046 (J)	0.048					
10/4/2018	0.012	0.005	0.062					
2/26/2019		0.0063						
2/27/2019	0.0075							
2/28/2019			0.045					
4/2/2019			0.052					
4/4/2019	0.0077	0.0042 (J)						
9/18/2019	0.0056	0.0047 (J)	0.052					
2/7/2020	0.0053	0.0045 (J)	0.044					
3/18/2020	0.0057	0.0054						
5/4/2020			0.049					
9/23/2020	0.0059	0.0056	0.056					
2/3/2021			0.06					
2/4/2021	0.0051	0.0047 (J)						
3/8/2021				0.11				
3/9/2021					0.022	0.011	<0.005	0.0084
3/11/2021	0.005	0.0049 (J)	0.051					
4/7/2021					0.031		<0.005	0.0077
4/8/2021				0.11		0.0081		
8/25/2021	0.0046 (J)	0.0048 (J)						
8/26/2021			0.057	0.11	0.032	0.011	<0.005	0.0076
1/11/2022					0.038	0.011	<0.005	0.0091
1/12/2022				0.15				
3/3/2022	0.0041 (J)		0.057		0.044			0.0066
3/4/2022		0.0042 (J)		0.14		0.011	0.0015 (J)	
6/6/2022					0.051		0.002 (J)	0.0044 (J)
6/7/2022				0.12		0.0093		
8/16/2022		0.0053			0.059			
8/17/2022	0.0042 (J)		0.056				0.0017 (J)	
8/18/2022				0.11				0.0036 (J)
8/19/2022						0.01		
2/15/2023	0.0044 (J)					0.009	<0.005	0.0068

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
2/16/2023		0.0026 (J)	0.053	0.14	0.053			
8/11/2023				0.13				
8/15/2023	<0.005							
8/16/2023		0.0031 (J)	0.062					
8/17/2023					0.061	0.0069	<0.005	0.0022 (J)
2/13/2024				0.15				
2/14/2024						0.0028 (J)		0.0044 (J)
2/15/2024	0.0032 (J)	0.0026 (J)	0.056		0.074		0.0044 (J)	
7/30/2024	<0.005							
7/31/2024		0.0029 (J)	0.067	0.16			0.0042 (J)	0.0067
8/1/2024					0.068			
8/2/2024						0.0086		
2/11/2025		0.0034 (J)						
2/12/2025	0.0024 (J)			0.14		0.0069		
2/13/2025			0.06		0.065		<0.005	0.0034 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					0.023	
10/18/2018				0.026		
3/8/2021	0.0046 (J)					
4/8/2021	0.0044 (J)					
8/26/2021	0.0044 (J)					
1/11/2022	0.0043 (J)					
3/4/2022	0.0035 (J)					
6/7/2022	0.004 (J)					
8/17/2022	0.0036 (J)					
10/19/2022		0.0072				
2/15/2023	0.0031 (J)					
2/16/2023		0.024				
8/11/2023		0.036				
8/15/2023	<0.005					
8/17/2023						0.028
9/26/2023			0.18			
11/7/2023			0.21			
2/14/2024			0.21			
2/15/2024	0.0063	0.038				0.031
7/31/2024	0.0037 (J)					
8/1/2024		0.029	0.2			0.032
12/9/2024					0.019	
1/8/2025				0.033		
2/12/2025	<0.005	0.026	0.19	<0.005	0.035	
2/13/2025						0.024

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.0002	<0.0002						<0.0002
5/18/2016			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
7/19/2016	<0.0002	8.1E-05 (J)			8.5E-05 (J)	8.4E-05 (J)	7.2E-05 (J)	8.2E-05 (J)
7/20/2016			7.7E-05 (J)	8.1E-05 (J)				
9/13/2016	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
9/14/2016					<0.0002			
11/9/2016	<0.0002	<0.0002				<0.0002		<0.0002
11/10/2016			0.00015 (J)	0.00016 (J)			8.7E-05 (J)	
1/17/2017	<0.0002	<0.0002						
1/18/2017			<0.0002	<0.0002		<0.0002	<0.0002	
1/19/2017					<0.0002			<0.0002
3/13/2017	<0.0002	<0.0002						
3/14/2017			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	7.1E-05 (J)
4/24/2017	<0.0002	<0.0002						
4/25/2017			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/8/2017	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002	<0.0002
8/9/2017				<0.0002	<0.0002			
8/25/2017					9.5E-05 (J)			
3/27/2018	<0.0002	<0.0002						
3/28/2018			<0.0002	<0.0002	8.9E-05 (J)	<0.0002	<0.0002	<0.0002
6/13/2018	<0.0002				<0.0002	<0.0002		<0.0002
6/14/2018		<0.0002	<0.0002	<0.0002			<0.0002	
9/24/2018		<0.0002						
9/27/2018	<0.0002							
9/28/2018								<0.0002
10/2/2018						<0.0002		
10/3/2018			<0.0002	<0.0002	<0.0002		<0.0002	
2/25/2019	<0.0002	<0.0002						
2/26/2019			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/3/2020	<0.0002	<0.0002						
2/4/2020			0.00016 (J)	0.00011 (J)	<0.0002	<0.0002		
2/5/2020							<0.0002	<0.0002
3/16/2020	<0.0002	<0.0002						
3/17/2020			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/21/2020		<0.0002	<0.0002	<0.0002				
9/22/2020	<0.0002				<0.0002	<0.0002	<0.0002	<0.0002
2/2/2021	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002
2/3/2021					<0.0002	<0.0002		
2/28/2022				<0.0002				
3/1/2022	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002		
3/3/2022							<0.0002	<0.0002
8/15/2022	<0.0002	<0.0002			<0.0002	<0.0002		
8/16/2022			<0.0002	<0.0002			<0.0002	<0.0002
2/14/2023	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/15/2023				<0.0002				
8/14/2023	<0.0002	<0.0002						
8/15/2023			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2024	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
2/16/2024					<0.0002			
7/30/2024	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
2/10/2025	<0.0002	<0.0002	<0.0002					
2/11/2025				<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 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.0002					<0.0002
5/19/2016	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		
7/19/2016								9.3E-05 (J)
7/20/2016	<0.0002	<0.0002	8.2E-05 (J)	8.2E-05 (J)	0.00011 (J)	8.1E-05 (J)		
9/14/2016		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
9/15/2016	0.00011 (J)							
11/10/2016						8.3E-05 (J)		8.5E-05 (J)
11/11/2016			8.5E-05 (J)	0.00011 (J)	7.9E-05 (J)			
11/14/2016	<0.0002							
1/24/2017								<0.0002
1/27/2017				<0.0002	<0.0002	<0.0002		
2/6/2017	7.8E-05 (J)		8.3E-05 (J)					
2/8/2017							<0.0002	
2/9/2017		<0.0002						
2/23/2017							<0.0002	
3/14/2017								7.1E-05 (J)
3/15/2017	0.00013 (J)	0.00013 (J)	0.00013 (J)	<0.0002	0.00018 (J)	<0.0002		
3/17/2017							0.00013 (J)	
4/11/2017		<0.0002					<0.0002	
4/25/2017								<0.0002
4/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
5/17/2017							<0.0002	
6/7/2017							<0.0002	
7/11/2017							<0.0002	
8/9/2017						<0.0002		<0.0002
8/10/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
3/29/2018	<0.0002	<0.0002		<0.0002	0.00011 (J)	<0.0002	<0.0002	
3/30/2018			<0.0002					8.6E-05 (J)
6/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/3/2018								<0.0002
10/4/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/27/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/28/2019		<0.0002						
2/5/2020		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/7/2020	<0.0002							<0.0002
3/18/2020			<0.0002	<0.0002	<0.0002			<0.0002
3/19/2020	<0.0002	<0.0002				<0.0002	<0.0002	
9/22/2020	<0.0002							
9/23/2020		<0.0002	<0.0002		<0.0002			<0.0002
9/24/2020				<0.0002		<0.0002	<0.0002	
2/3/2021	<0.0002			<0.0002	<0.0002			
2/4/2021		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002
3/3/2022	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
3/4/2022					<0.0002			
8/16/2022	<0.0002			<0.0002				
8/17/2022		<0.0002						<0.0002
8/18/2022					<0.0002	<0.0002		
8/19/2022			<0.0002				<0.0002	
2/15/2023		<0.0002						<0.0002
2/16/2023	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
8/15/2023	<0.0002							
8/16/2023		<0.0002		<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 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/17/2023			<0.0002					
2/13/2024	<0.0002							
2/14/2024		<0.0002			<0.0002			
2/15/2024			<0.0002			<0.0002	<0.0002	<0.0002
2/16/2024				<0.0002				
7/31/2024			<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
8/1/2024	<0.0002	<0.0002						
8/2/2024							<0.0002	
2/11/2025	<0.0002	<0.0002		<0.0002	<0.0002			
2/12/2025						<0.0002	<0.0002	
2/13/2025			<0.0002					<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.0002	<0.0002						
7/19/2016	<0.0002							
7/20/2016		7.4E-05 (J)						
9/14/2016	<0.0002	<0.0002						
11/10/2016	0.00012 (J)	<0.0002						
11/11/2016			7.6E-05 (J)					
1/20/2017		<0.0002						
1/24/2017	7E-05 (J)							
2/6/2017			0.00012 (J)					
3/14/2017		<0.0002						
3/15/2017	<0.0002		<0.0002					
4/11/2017			<0.0002					
4/25/2017	0.00019 (J)	<0.0002						
4/26/2017			<0.0002					
6/7/2017			<0.0002					
7/11/2017			<0.0002					
8/9/2017	<0.0002	<0.0002						
8/10/2017			<0.0002					
3/29/2018	<0.0002		<0.0002					
3/30/2018		<0.0002						
6/14/2018	<0.0002	<0.0002	<0.0002					
10/4/2018	<0.0002	<0.0002	<0.0002					
2/26/2019		<0.0002						
2/27/2019	<0.0002							
2/28/2019			<0.0002					
2/7/2020	<0.0002	<0.0002	<0.0002					
3/18/2020	<0.0002	<0.0002						
5/4/2020			<0.0002					
9/23/2020	<0.0002	<0.0002	<0.0002					
2/3/2021			<0.0002					
2/4/2021	<0.0002	<0.0002						
8/26/2021				0.00033	0.0002	0.00018 (J)	0.00022	0.00026
1/11/2022					<0.0002	<0.0002	<0.0002	<0.0002
1/12/2022				<0.0002				
3/3/2022	<0.0002		<0.0002		<0.0002			<0.0002
3/4/2022		<0.0002		<0.0002		<0.0002	<0.0002	
6/6/2022					<0.0002		<0.0002	<0.0002
6/7/2022				<0.0002		<0.0002		
8/16/2022		<0.0002			<0.0002			
8/17/2022	<0.0002		<0.0002				<0.0002	
8/18/2022				<0.0002				<0.0002
8/19/2022						<0.0002		
2/15/2023	<0.0002					<0.0002	<0.0002	<0.0002
2/16/2023		<0.0002	<0.0002	<0.0002	<0.0002			
8/11/2023				<0.0002				
8/15/2023	<0.0002							
8/16/2023		<0.0002	<0.0002					
8/17/2023					<0.0002	<0.0002	<0.0002	<0.0002
2/13/2024				<0.0002				
2/14/2024						<0.0002		<0.0002
2/15/2024	<0.0002	<0.0002	<0.0002		<0.0002		<0.0002	
7/30/2024	<0.0002							

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
7/31/2024		<0.0002	<0.0002	<0.0002			<0.0002	<0.0002
8/1/2024					<0.0002			
8/2/2024						<0.0002		
2/11/2025		<0.0002						
2/12/2025	<0.0002			<0.0002		<0.0002		
2/13/2025			<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 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.0002	
10/18/2018				<0.0002		
8/26/2021	0.0019					
1/11/2022	<0.0002					
3/4/2022	<0.0002					
6/7/2022	<0.0002					
8/17/2022	<0.0002					
10/19/2022		<0.0002				
2/15/2023	<0.0002					
2/16/2023		<0.0002				
8/11/2023		<0.0002				
8/15/2023	<0.0002					
8/17/2023						<0.0002
9/26/2023			<0.0002			
2/14/2024			<0.0002			
2/15/2024	<0.0002	<0.0002				<0.0002
7/31/2024	<0.0002					
8/1/2024		<0.0002	<0.0002			<0.0002
2/12/2025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/13/2025						<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.015	<0.015						0.00367 (J)
5/18/2016			<0.015	<0.015	<0.015	<0.015	<0.015	
7/19/2016	<0.015	<0.015			<0.015	<0.015	<0.015	0.002 (J)
7/20/2016			<0.015	<0.015				
9/13/2016	<0.015	<0.015	<0.015	<0.015		<0.015	<0.015	0.0014 (J)
9/14/2016					0.016 (O)			
11/9/2016	<0.015	<0.015				<0.015		<0.015
11/10/2016			<0.015	<0.015			<0.015	
1/17/2017	<0.015	<0.015						
1/18/2017			<0.015	<0.015		<0.015	0.001 (J)	
1/19/2017					<0.015			<0.015
3/13/2017	<0.015	<0.015						
3/14/2017			0.00087 (J)	<0.015	<0.015	<0.015	0.0014 (J)	0.0072 (J)
4/24/2017	<0.015	<0.015						
4/25/2017			0.00098 (J)	<0.015	<0.015	<0.015	<0.015	0.0036 (J)
8/8/2017	0.0017 (J)	<0.015	<0.015			<0.015	<0.015	<0.015
8/9/2017				<0.015	<0.015			
8/25/2017					<0.015			
3/27/2018	<0.015	<0.015						
3/28/2018			<0.015	<0.015	<0.015	<0.015	<0.015	0.00089 (J)
6/13/2018	<0.015				<0.015	<0.015		<0.015
6/14/2018		<0.015	<0.015	<0.015			<0.015	
9/24/2018		<0.015						
9/27/2018	<0.015							
9/28/2018								<0.015
10/2/2018						<0.015		
10/3/2018			<0.015	<0.015	<0.015		<0.015	
2/25/2019	<0.015	<0.015						
2/26/2019			<0.015	<0.015	<0.015	<0.015	<0.015	0.0019 (J)
4/1/2019	<0.015	<0.015						
4/2/2019			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
9/16/2019	<0.015				0.001 (J)	0.001 (J)		
9/17/2019		<0.015		<0.015				<0.015
9/18/2019			<0.015				<0.015	
2/3/2020	<0.015	<0.015						
2/4/2020			<0.015	<0.015	<0.015	<0.015		
2/5/2020							<0.015	<0.015
3/16/2020	<0.015	<0.015						
3/17/2020			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
9/21/2020		<0.015	<0.015	<0.015				
9/22/2020	<0.015				0.0025 (J)	<0.015	<0.015	0.00097 (J)
2/2/2021	<0.015	<0.015	<0.015	<0.015			<0.015	<0.015
2/3/2021					<0.015	<0.015		
3/10/2021		<0.015	<0.015	<0.015	<0.015		<0.015	<0.015
3/11/2021	<0.015					<0.015		
8/23/2021		<0.015						
8/24/2021	<0.015			<0.015	<0.015	<0.015	<0.015	
8/25/2021			<0.015					<0.015
2/28/2022				<0.015				
3/1/2022	<0.015	<0.015	<0.015		<0.015	<0.015		
3/3/2022							<0.015	<0.015
8/15/2022	<0.015	<0.015			<0.015	<0.015		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.015	<0.015			<0.015	<0.015
2/14/2023	<0.015	<0.015	<0.015		<0.015	<0.015	<0.015	<0.015
2/15/2023				<0.015				
8/14/2023	<0.015	<0.015						
8/15/2023			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
2/13/2024	<0.015	<0.015	<0.015	<0.015		<0.015	0.0012 (J)	<0.015
2/16/2024					<0.015			
7/30/2024	<0.015	<0.015	<0.015	<0.015		<0.015	<0.015	<0.015
2/10/2025	<0.015	<0.015	<0.015					
2/11/2025				<0.015		<0.015	<0.015	<0.015

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.015					0.0153
5/19/2016	<0.015	0.00762 (J)		<0.015	<0.015	0.00491 (J)		
7/19/2016								0.0093 (J)
7/20/2016	<0.015	0.0084 (J)	<0.015	<0.015	0.00095 (J)	0.0025 (J)		
9/14/2016		0.0071 (J)	0.00091 (J)	<0.015	0.0009 (J)	0.0028 (J)		0.012 (J)
9/15/2016	<0.015							
11/10/2016						0.0016 (J)		0.0065 (J)
11/11/2016			<0.015	<0.015	<0.015			
11/14/2016	<0.015							
1/24/2017								0.0049 (J)
1/27/2017				<0.015	<0.015	0.0023 (J)		
2/6/2017	<0.015		<0.015					
2/8/2017							<0.015	
2/9/2017		0.018						
2/23/2017							<0.015	
3/14/2017								0.0034 (J)
3/15/2017	<0.015	0.0057 (J)	<0.015	<0.015	<0.015	0.0022 (J)		
3/17/2017							<0.015	
4/11/2017		0.0047 (J)					<0.015	
4/25/2017								0.004 (J)
4/26/2017	<0.015	0.004 (J)	<0.015	<0.015	<0.015	0.0019 (J)	<0.015	
5/17/2017							<0.015	
6/7/2017							0.001 (J)	
7/11/2017							<0.015	
8/9/2017						0.0028 (J)		0.0042 (J)
8/10/2017	<0.015	0.0046 (J)	0.00093 (J)	0.0011 (J)	0.0046 (J)			
3/29/2018	<0.015	0.0048 (J)		<0.015	<0.015	0.0028 (J)	<0.015	
3/30/2018			<0.015					0.0049 (J)
6/14/2018	<0.015	0.0046 (J)	<0.015	<0.015	<0.015	0.0018 (J)	<0.015	0.0056 (J)
10/3/2018								0.0041 (J)
10/4/2018	<0.015	0.003 (J)	<0.015	<0.015	<0.015	<0.015	<0.015	
2/27/2019	<0.015		<0.015	<0.015	0.00063 (J)	0.0019 (J)	<0.015	0.0061
2/28/2019		0.0053						
4/3/2019	<0.015	0.0026 (J)		<0.015	<0.015	<0.015	<0.015	
4/4/2019			<0.015					0.0039 (J)
9/18/2019						0.0021 (J)	<0.015	0.0052
9/19/2019	<0.015	0.0048 (J)	<0.015	<0.015	0.00073 (J)			
2/5/2020		0.0044 (J)	<0.015	<0.015	<0.015	0.0012 (J)	<0.015	
2/7/2020	<0.015							0.0024 (J)
3/18/2020			<0.015	<0.015	<0.015			0.002 (J)
3/19/2020	<0.015	0.0042 (J)				0.0018 (J)	<0.015	
9/22/2020	<0.015							
9/23/2020		0.0027 (J)	<0.015		<0.015			0.0031 (J)
9/24/2020				0.0017 (J)		<0.015	<0.015	
2/3/2021	<0.015			<0.015	<0.015			
2/4/2021		0.003 (J)	<0.015			0.0012 (J)	<0.015	0.0022 (J)
3/11/2021	<0.015		<0.015			0.0013 (J)	<0.015	
3/12/2021		0.003 (J)		<0.015	0.00062 (J)			0.0019 (J)
8/25/2021				<0.015	<0.015	0.00092 (J)	<0.015	
8/26/2021	<0.015	0.0028 (J)	<0.015					0.0029 (J)
3/3/2022	<0.015	0.0027 (J)	<0.015	<0.015		0.00094 (J)	<0.015	0.0025 (J)
3/4/2022					<0.015			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	<0.015			<0.015				
8/17/2022		0.0027 (J)						0.0025 (J)
8/18/2022					<0.015	0.00087 (J)		
8/19/2022			<0.015				<0.015	
2/15/2023		0.0025 (J)						0.0027 (J)
2/16/2023	<0.015		<0.015	<0.015	<0.015	0.0013 (J)	<0.015	
8/15/2023	<0.015							
8/16/2023		0.0031 (J)		<0.015	<0.015	0.0012 (J)	<0.015	0.003 (J)
8/17/2023			<0.015					
2/13/2024	<0.015							
2/14/2024		0.0033 (J)			<0.015			
2/15/2024			<0.015			0.0012 (J)	<0.015	0.0021 (J)
2/16/2024				<0.015				
7/31/2024			<0.015	<0.015	<0.015	0.0011 (J)		0.0028 (J)
8/1/2024	<0.015	0.0028 (J)						
8/2/2024							<0.015	
2/11/2025	<0.015	0.0033 (J)		<0.015	<0.015			
2/12/2025						0.0013 (J)	<0.015	
2/13/2025			<0.015					0.0023 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.015	0.00526 (J)						
7/19/2016	<0.015							
7/20/2016		0.0066 (J)						
9/14/2016	<0.015	0.0081 (J)						
11/10/2016	<0.015	0.0076 (J)						
11/11/2016			<0.015					
1/20/2017		0.0094 (J)						
1/24/2017	<0.015							
2/6/2017			0.001 (J)					
3/14/2017		0.0044 (J)						
3/15/2017	<0.015		<0.015					
4/11/2017			<0.015					
4/25/2017	<0.015	0.0074 (J)						
4/26/2017			<0.015					
6/7/2017			0.0015 (J)					
7/11/2017			<0.015					
8/9/2017	<0.015	0.0066 (J)						
8/10/2017			0.0016 (J)					
3/29/2018	<0.015		0.0012 (J)					
3/30/2018		0.0024 (J)						
6/14/2018	<0.015	0.0026 (J)	0.0014 (J)					
10/4/2018	<0.015	0.00085 (J)	<0.015					
2/26/2019		0.0032 (J)						
2/27/2019	<0.015							
2/28/2019			0.0013 (J)					
4/2/2019			<0.015					
4/4/2019	<0.015	0.002 (J)						
9/18/2019	<0.015	0.0026 (J)	0.0011 (J)					
2/7/2020	<0.015	0.0025 (J)	0.0014 (J)					
3/18/2020	<0.015	0.0024 (J)						
5/4/2020			0.0013 (J)					
9/23/2020	<0.015	0.0027 (J)	0.0013 (J)					
2/3/2021			0.0013 (J)					
2/4/2021	<0.015	0.0025 (J)						
3/11/2021	<0.015	0.0022 (J)	0.0012 (J)					
8/25/2021	<0.015	0.0022 (J)						
8/26/2021			0.0011 (J)	0.00079 (J)	0.044	<0.015	<0.015	<0.015
1/11/2022					0.037	<0.015	<0.015	<0.015
1/12/2022				0.00062 (J)				
3/3/2022	<0.015		0.0013 (J)		0.036			<0.015
3/4/2022		0.0021 (J)		<0.015		0.00084 (J)	<0.015	
6/6/2022					0.032		<0.015	<0.015
6/7/2022				<0.015		<0.015		
8/16/2022		0.0024 (J)			0.042			
8/17/2022	<0.015		0.001 (J)				<0.015	
8/18/2022				<0.015				<0.015
8/19/2022						<0.015		
2/15/2023	<0.015					<0.015	<0.015	<0.015
2/16/2023		0.0022 (J)	0.0014 (J)	<0.015	0.034			
8/11/2023				<0.015				
8/15/2023	<0.015							
8/16/2023		0.0023 (J)	0.0013 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					0.029	<0.015	<0.015	<0.015
2/13/2024				<0.015				
2/14/2024						<0.015		<0.015
2/15/2024	<0.015	0.0023 (J)	0.0014 (J)		0.023		<0.015	
7/30/2024	<0.015							
7/31/2024		0.0023 (J)	0.0012 (J)	<0.015			<0.015	<0.015
8/1/2024					0.027			
8/2/2024						0.0082 (J)		
2/11/2025		0.0023 (J)						
2/12/2025	<0.015			0.00087 (J)		<0.015		
2/13/2025			0.0014 (J)		0.027		<0.015	<0.015

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.015	
10/18/2018				0.0028 (J)		
8/26/2021	<0.015					
1/11/2022	<0.015					
3/4/2022	<0.015					
6/7/2022	<0.015					
8/17/2022	<0.015					
10/19/2022		<0.015				
2/15/2023	<0.015					
2/16/2023		<0.015				
8/11/2023		<0.015				
8/15/2023	<0.015					
8/17/2023						0.0025 (J)
9/26/2023			0.018			
2/14/2024			0.0094 (J)			
2/15/2024	<0.015	<0.015				0.0024 (J)
7/31/2024	<0.015					
8/1/2024		<0.015	0.0089 (J)			0.0028 (J)
2/12/2025	<0.015	<0.015	0.0088 (J)	<0.015	0.0023 (J)	
2/13/2025						0.0027 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	5.24	6.23						7.81
5/18/2016			5.55	7.23	5.47	7.92	5.5	
7/19/2016	5.43	6.285413			5.336672	7.154587	5.430599	7.250493
7/20/2016			5.656628	7.281557				
9/13/2016	5.22	6.3	5.63	7.15		7.96	5.57	7.18
9/14/2016					7.29			
11/9/2016	5.57	6.26				7.27		6.03
11/10/2016			5.61	6.33			6.93	
1/17/2017	5.48	6.8						
1/18/2017			5.81	6.94		7.72	7.16	
1/19/2017					6.59			6.71
3/13/2017	5.4	6.18						
3/14/2017			5.53	6.75	5.86		5.82	6.45
4/24/2017	5.4	6.35						
4/25/2017			5.59	6.84	5.35	7.73	5.57	6.93
8/8/2017	5.32	6.23	5.52			7.74	5.6	6.72
8/9/2017				6.67	5.25			
8/25/2017					5.44			
10/10/2017	5.26	6.32						
10/11/2017			5.51	6.75	6.99	7.01	5.43	6.75
3/27/2018	5.39	6.14						
3/28/2018			5.6	6.79	5.95	7.28	5.29	6.84
6/13/2018	5.33				5.13	7.78		6.31
6/14/2018		6.02	5.58	6.67			5.39	
9/24/2018		6.1						
9/27/2018	5.33							
9/28/2018								6.26
10/2/2018						7.52		
10/3/2018			5.45	6.92	5.22		5.33	
2/25/2019	5.25	6.02						
2/26/2019			5.6	6.74	5.21	7.87	5.62	7.66
4/1/2019	5.31	6.09						
4/2/2019			5.69	6.81	5.25	7.94	5.6	7.53
9/16/2019	5.28				6.94	7.55		
9/17/2019		6.25		6.93				6.47
9/18/2019			5.62				5.6	
2/3/2020	5.402418	6.090122						
2/4/2020			5.655257	7.287213	5.307606	7.740019		
2/5/2020							5.535178	6.730563
3/16/2020	5.29	6.01						
3/17/2020			5.61	6.83	5.34	7.95	5.32	6.36
9/21/2020		6.05	5.35	6.81				
9/22/2020	5.09				6.78	7.4	5.36	7.18
2/2/2021	5.36	6.1	5.78	6.61			5.84	6.48
2/3/2021					5.3	7.76		
3/10/2021		6.11	5.49	7.19	5.22		4.96	5.8
3/11/2021	5.26					7.93		
8/23/2021		6.18						
8/24/2021	5.21			7.22	6.8	7.88	5.53	
8/25/2021			5.52					6.74
2/28/2022				7.14				
3/1/2022	5.32	6.2	5.59		5.47	7.86		

Time Series

Constituent: pH, Field (SU) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
3/3/2022							5.44	5.94
8/15/2022	5.28	6.04			6.54	7.76		
8/16/2022			5.46	6.92			5.32	6.19
2/14/2023	5.37	6.06	5.49		5.3	7.78	5.44	5.89
2/15/2023				7.21				
8/14/2023	5.09	6.06						
8/15/2023			5.17	6.47	6.6	7.93	5.49	6.01
2/13/2024	5.46	5.97	5.52	7.1		7.75	6.19	5.84
2/16/2024					5.23			
7/30/2024	5.27	5.9	5.52	7.13		7.88	5.43	6.47
2/10/2025	5.4	6.44	5.25					
2/11/2025				7.58		8.01	6.08	5.74

Time Series

Constituent: pH, Field (SU) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			8.96					7.75
5/19/2016	5.99	6.31		5.93	6.91	6.85		
7/19/2016								7.876073
7/20/2016	6.194334	6.345061	8.56774	5.97	6.962608	6.705264		
9/1/2016					6.96			
9/14/2016		6.33				6.7		7.79
9/15/2016	6.38							
11/10/2016						6.5		7.76
11/11/2016			6.96	6.03	6.76			
11/14/2016	5.7							
1/24/2017								7.71
1/27/2017				6.21	6.66	6.47		
2/6/2017	5.66		6.93					
2/8/2017							5.81	
2/23/2017							5.8	
3/14/2017								7.57
3/15/2017	5.77	5.99	6.82	5.97	6.3	6.75		
3/17/2017							5.97	
4/11/2017							6.18	
4/25/2017								7.47
4/26/2017	5.39	6.03	6.73	6.17	6.67	6.57	6.09	
5/17/2017							6.26	
6/7/2017							6.21	
7/11/2017							6	
8/9/2017						6.55		7.37
8/10/2017	5.59	5.86	6.66	6.05	6.7			
10/11/2017							6.97	7.42
10/12/2017	5.46	6.09	6.67	6.89	6.89	6.67		
3/29/2018	5.43	5.89		6.85	7.08	6.99	6.51	
3/30/2018			6.98					7.48
6/14/2018	5.76	6.47	6.56	5.89	6.73	6.39	5.76	7.5
10/3/2018								7.11
10/4/2018	5.39	6.17	6.4	5.81	6.79	6.5	5.97	
2/27/2019	5.55		6.23	5.78	6.7	6.47	5.73	7.4
2/28/2019		6.54						
4/3/2019	5.55	6.1		6.07	6.91	6.47	5.68	
4/4/2019			6.46					7.58
9/18/2019						6.46	5.5	7.8
9/19/2019	5.39	6.38	6.45	5.82	6.63			
2/5/2020		6.536418	6.415246	5.891838	6.763076	6.440089	5.523207	
2/7/2020	5.376234							7.657187
3/18/2020			6.4	5.89	6.93			7.73
3/19/2020	6.43	6.64				6.56	5.49	
9/22/2020	5.17							
9/23/2020		5.8	6.14		6.42			7.35
9/24/2020				5.5		6.29	5.16	
2/3/2021	5.08			5.21	6.15			
2/4/2021		6.22	6.21			6.34	5.76	7.77
3/11/2021	5.35		6.56			5.95	5.1	
3/12/2021		5.88		5.46	6.66			7.72
8/25/2021				5.66	6.69	6.27	5.39	
8/26/2021	5.36	5.84	6.31					7.58

Time Series

Constituent: pH, Field (SU) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
3/3/2022	5.21	5.86	6.36	5.59		6.31	5.4	7.61
3/4/2022					6.79			
8/16/2022	5.4			5.56				
8/17/2022		5.8						7.54
8/18/2022					6.52	6.15		
8/19/2022			6.2				5.25	
2/15/2023		5.86						7.72
2/16/2023	5.22		6.39	5.69	6.61	6.27	5.4	
8/15/2023	5.43							
8/16/2023		5.78		5.19	6.1	6.22	5.17	7.41
8/17/2023			6.49					
2/13/2024	5.31							
2/14/2024		6.13			6.67			
2/15/2024			6.41			6.3	5.18	7.88
2/16/2024				5.6				
7/31/2024			6.21	5.6	6.74	6.22		7.67
8/1/2024	5.38	5.77						
8/2/2024							5.09	
2/11/2025	5.23	5.86		5.54	6.63			
2/12/2025						6.32	5.44	
2/13/2025			6.27					7.87

Time Series

Constituent: pH, Field (SU) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	6.06	6.41						
7/19/2016	5.88							
7/20/2016		6.662463						
9/14/2016	5.89	6.7						
11/10/2016	5.6	6.51						
11/11/2016			6.93					
1/20/2017		6.55						
1/24/2017	5.54							
2/6/2017			6.8					
3/14/2017		6.27						
3/15/2017	5.39		6.78					
4/11/2017			6.79					
4/25/2017	5.28	6.36						
4/26/2017			6.82					
6/7/2017			6.76					
7/11/2017			6.99					
8/9/2017	5.46	6.47						
8/10/2017			6.59					
10/11/2017	5.45	6.47						
10/12/2017			6.7					
3/29/2018	5.33		6.88					
3/30/2018		6.71						
6/14/2018	5.35	6.15	6.72					
10/4/2018	5.28	6.14	6.67					
2/26/2019		6.17						
2/27/2019	5.08							
2/28/2019			6.98					
4/2/2019			6.75					
4/4/2019	5.19	6.16						
9/18/2019	5.19	6.17	6.71					
2/7/2020	5.168839	6.341561	7.078448					
3/18/2020	5.08	6.3						
5/4/2020			6.9					
9/23/2020	5.05	5.89	6.59					
2/3/2021			6.75					
2/4/2021	5.42	6.31						
3/8/2021				5.54				
3/9/2021					7.29	5.56	5.81	4.29
3/11/2021	5.21	5.96	7.12					
4/7/2021					7.05		5.57	4.43
4/8/2021				5.6		6.01		
8/25/2021	5.25	6.09						
8/26/2021			6.66	5.37	6.88	5.4	5.8	4.33
1/11/2022					6.68	5.4	5.61	4.39
1/12/2022				5.19				
3/3/2022	5.22		6.69		6.88			4.39
3/4/2022		6.21		5.23		5.34	5.74	
6/6/2022					6.69		5.73	4.52
6/7/2022				5.39		5.41		
8/16/2022		6.02			6.72			
8/17/2022	5.24		6.6				5.64	
8/18/2022				5.29				4.42

Time Series

Constituent: pH, Field (SU) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/19/2022						5.34		
2/15/2023	5.19					5.47	5.49	4.54
2/16/2023		6.28	6.8	5.17	6.92			
8/11/2023				5.31				
8/15/2023	5.07							
8/16/2023		6.13	6.44					
8/17/2023					6.86	5.41	5.66	4.35
2/13/2024				5.34				
2/14/2024						5.84		4.72
2/15/2024	5.31	6.16	6.87		6.7		5.62	
7/30/2024	5.26							
7/31/2024		6.04	6.54	5.47			5.44	4.41
8/1/2024					6.73			
8/2/2024						5.36		
2/11/2025		6.26						
2/12/2025	5.42			5.33		5.47		
2/13/2025			6.7		6.63		5.58	4.49

Time Series

Constituent: pH, Field (SU) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					7.17	
10/18/2018				7.61		
3/8/2021	5.36					
3/9/2021						6.19
4/7/2021						6.46
4/8/2021	5.39					
8/26/2021	5.3					
1/11/2022	5.26					
3/4/2022	5.21					
6/7/2022	5.32					
8/17/2022	5.28					
10/19/2022		5.93				
2/15/2023	5.36					
2/16/2023		5.91				
8/11/2023		6.07				
8/15/2023	5.97					
8/17/2023						6.11
9/26/2023			7.33			
11/7/2023			6.48			
2/14/2024			6.47			
2/15/2024	6.24	6.23				6.48
7/31/2024	5.97					
8/1/2024		6.11	7			6.33
12/9/2024					6.54	
2/12/2025	6.19	6.02	6.64	7.45	6.41	
2/13/2025						6.4

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.005	<0.005						<0.005
5/18/2016			<0.005	<0.005	<0.005	<0.005	<0.005	
7/19/2016	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
7/20/2016			<0.005	<0.005				
9/13/2016	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
9/14/2016					<0.005			
11/9/2016	<0.005	<0.005				<0.005		<0.005
11/10/2016			<0.005	<0.005			<0.005	
1/17/2017	<0.005	<0.005						
1/18/2017			<0.005	<0.005		<0.005	<0.005	
1/19/2017					<0.005			<0.005
3/13/2017	<0.005	<0.005						
3/14/2017			0.00026 (J)	<0.005	<0.005	<0.005	<0.005	0.0028
4/24/2017	<0.005	<0.005						
4/25/2017			0.00035 (J)	<0.005	<0.005	<0.005	<0.005	0.0018
8/8/2017	0.0013	<0.005	<0.005			<0.005	<0.005	<0.005
8/9/2017				<0.005	<0.005			
8/25/2017					<0.005			
3/27/2018	0.00055 (J)	<0.005						
3/28/2018			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/13/2018	<0.005				0.00025 (J)	<0.005		<0.005
6/14/2018		<0.005	<0.005	0.00032 (J)			<0.005	
9/24/2018		<0.005						
9/27/2018	<0.005							
9/28/2018								<0.005
10/2/2018						<0.005		
10/3/2018			<0.005	<0.005	<0.005		<0.005	
2/25/2019	<0.005	<0.005						
2/26/2019			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2019	<0.005	<0.005						
4/2/2019			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/16/2019	<0.005				<0.005	<0.005		
9/17/2019		<0.005		<0.005				<0.005
9/18/2019			<0.005				<0.005	
2/3/2020	<0.005	<0.005						
2/4/2020			<0.005	<0.005	<0.005	<0.005		
2/5/2020							<0.005	<0.005
3/16/2020	<0.005	0.0026 (J)						
3/17/2020			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/21/2020		<0.005	<0.005	<0.005				
9/22/2020	<0.005				<0.005	<0.005	<0.005	<0.005
2/2/2021	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
2/3/2021					<0.005	<0.005		
3/10/2021		<0.005	<0.005	<0.005	<0.005		<0.005	<0.005
3/11/2021	<0.005					<0.005		
8/23/2021		<0.005						
8/24/2021	<0.005			<0.005	<0.005	<0.005	<0.005	
8/25/2021			<0.005					<0.005
2/28/2022				<0.005				
3/1/2022	<0.005	<0.005	<0.005		<0.005	<0.005		
3/3/2022							<0.005	<0.005
8/15/2022	<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 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.005	<0.005			<0.005	<0.005
2/14/2023	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
2/15/2023				<0.005				
8/14/2023	<0.005	<0.005						
8/15/2023			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
2/16/2024					<0.005			
7/30/2024	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
2/10/2025	<0.005	<0.005	<0.005					
2/11/2025				<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 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.005					<0.005
5/19/2016	0.00518 (J)	0.00228 (J)		<0.005	<0.005	<0.005		
7/19/2016								<0.005
7/20/2016	0.0038	0.0016	<0.005	<0.005	<0.005	<0.005		
9/14/2016		0.0024	<0.005	<0.005	<0.005	<0.005		<0.005
9/15/2016	0.0034							
11/10/2016						<0.005		<0.005
11/11/2016			<0.005	<0.005	<0.005			
11/14/2016	0.0033							
1/24/2017								<0.005
1/27/2017				<0.005	<0.005	<0.005		
2/6/2017	0.0033		<0.005					
2/8/2017							<0.005	
2/9/2017		0.0023						
2/23/2017							<0.005	
3/14/2017								<0.005
3/15/2017	0.003	0.0031	<0.005	<0.005	<0.005	<0.005		
3/17/2017							<0.005	
4/11/2017		0.0023					<0.005	
4/25/2017								<0.005
4/26/2017	0.0032	0.0019	<0.005	<0.005	<0.005	<0.005	<0.005	
5/17/2017							<0.005	
6/7/2017							<0.005	
7/11/2017							<0.005	
8/9/2017						<0.005		<0.005
8/10/2017	0.0031	0.0021	0.00031 (J)	0.00049 (J)	0.0021			
3/29/2018	0.0034	0.0021		<0.005	<0.005	<0.005	0.0003 (J)	
3/30/2018			<0.005					<0.005
6/14/2018	0.0031	0.0025	<0.005	<0.005	<0.005	<0.005	<0.005	0.0005 (J)
10/3/2018								<0.005
10/4/2018	0.0033	0.002	<0.005	<0.005	<0.005	<0.005	<0.005	
2/27/2019	0.0035		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/28/2019		0.0027						
4/3/2019	0.0031	0.0019		<0.005	<0.005	<0.005	<0.005	
4/4/2019			<0.005					<0.005
9/18/2019						<0.005	<0.005	<0.005
9/19/2019	0.0021 (J)	0.0026 (J)	<0.005	<0.005	<0.005			
2/5/2020		0.0033 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
2/7/2020	0.0048 (J)							<0.005
3/18/2020			<0.005	<0.005	<0.005			<0.005
3/19/2020	0.0037 (J)	0.0033 (J)				<0.005	<0.005	
9/22/2020	0.0039 (J)							
9/23/2020		0.0029 (J)	<0.005		<0.005			<0.005
9/24/2020				<0.005		<0.005	<0.005	
2/3/2021	0.0036 (J)			<0.005	<0.005			
2/4/2021		0.003 (J)	<0.005			<0.005	<0.005	<0.005
3/11/2021	0.0038 (J)		<0.005			<0.005	<0.005	
3/12/2021		0.0034 (J)		<0.005	<0.005			<0.005
8/25/2021				<0.005	<0.005	<0.005	<0.005	
8/26/2021	0.0037 (J)	0.0028 (J)	<0.005					<0.005
3/3/2022	0.0038 (J)	0.0021 (J)	<0.005	<0.005		<0.005	<0.005	<0.005
3/4/2022					<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	0.0075			<0.005				
8/17/2022		0.0022 (J)						<0.005
8/18/2022					<0.005	<0.005		
8/19/2022			<0.005				<0.005	
2/15/2023		0.0037 (J)						<0.005
2/16/2023	0.0033 (J)		<0.005	<0.005	<0.005	<0.005	<0.005	
8/15/2023	0.0037 (J)							
8/16/2023		0.0036 (J)		<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2023			<0.005					
2/13/2024	0.007							
2/14/2024		0.0022 (J)			<0.005			
2/15/2024			<0.005			<0.005	<0.005	<0.005
2/16/2024				<0.005				
7/31/2024			<0.005	<0.005	<0.005	<0.005		<0.005
8/1/2024	0.0071	0.0032 (J)						
8/2/2024							<0.005	
2/11/2025	0.0048 (J)	0.0029 (J)		<0.005	<0.005			
2/12/2025						<0.005	<0.005	
2/13/2025			<0.005					<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	0.00735 (J)	<0.005						
7/19/2016	0.0075							
7/20/2016		<0.005						
9/14/2016	0.0091	<0.005						
11/10/2016	0.0056	<0.005						
11/11/2016			<0.005					
1/20/2017		<0.005						
1/24/2017	0.012							
2/6/2017			<0.005					
3/14/2017		<0.005						
3/15/2017	0.012		<0.005					
4/11/2017			<0.005					
4/25/2017	0.013	<0.005						
4/26/2017			<0.005					
6/7/2017			<0.005					
7/11/2017			<0.005					
8/9/2017	0.016	<0.005						
8/10/2017			0.00036 (J)					
3/29/2018	0.016		<0.005					
3/30/2018		<0.005						
6/14/2018	0.012	<0.005	<0.005					
10/4/2018	0.013	<0.005	<0.005					
2/26/2019		<0.005						
2/27/2019	0.0081							
2/28/2019			<0.005					
4/2/2019			<0.005					
4/4/2019	0.0091	<0.005						
9/18/2019	0.0044 (J)	<0.005	<0.005					
2/7/2020	0.0036 (J)	<0.005	<0.005					
3/18/2020	0.0046 (J)	<0.005						
5/4/2020			<0.005					
9/23/2020	0.0028 (J)	<0.005	<0.005					
2/3/2021			<0.005					
2/4/2021	0.0023 (J)	<0.005						
3/11/2021	0.0023 (J)	<0.005	<0.005					
8/25/2021	0.0019 (J)	<0.005						
8/26/2021			<0.005	0.0016 (J)	<0.005	0.0049 (J)	0.002 (J)	<0.005
1/11/2022					<0.005	0.0065	0.0024 (J)	<0.005
1/12/2022				<0.005				
3/3/2022	0.0018 (J)		<0.005		<0.005			0.00077 (J)
3/4/2022		<0.005		0.0014 (J)		0.0072	0.002 (J)	
6/6/2022					<0.005		0.0018 (J)	<0.005
6/7/2022				0.0014 (J)		0.0047 (J)		
8/16/2022		<0.005			<0.005			
8/17/2022	<0.005		<0.005				0.0013 (J)	
8/18/2022				0.0027 (J)				<0.005
8/19/2022						0.0035 (J)		
2/15/2023	0.0019 (J)					0.0077	0.0026 (J)	<0.005
2/16/2023		<0.005	<0.005	0.0017 (J)	<0.005			
8/11/2023				0.0016 (J)				
8/15/2023	0.0018 (J)							
8/16/2023		<0.005	<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					<0.005	0.0038 (J)	0.0024 (J)	<0.005
2/13/2024				0.0035 (J)				
2/14/2024						0.0041 (J)		<0.005
2/15/2024	<0.005	<0.005	<0.005		<0.005		0.003 (J)	
7/30/2024	0.0015 (J)							
7/31/2024		<0.005	<0.005	0.0043 (J)			0.0027 (J)	<0.005
8/1/2024					<0.005			
8/2/2024						0.0036 (J)		
2/11/2025		<0.005						
2/12/2025	<0.005			0.0026 (J)		0.003 (J)		
2/13/2025			<0.005		<0.005		0.0031 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.005	
10/18/2018				<0.005		
8/26/2021	<0.005					
1/11/2022	<0.005					
3/4/2022	<0.005					
6/7/2022	<0.005					
8/17/2022	<0.005					
10/19/2022		<0.005				
2/15/2023	<0.005					
2/16/2023		<0.005				
8/11/2023		<0.005				
8/15/2023	<0.005					
8/17/2023						<0.005
9/26/2023			<0.005			
2/14/2024			<0.005			
2/15/2024	<0.005	<0.005				<0.005
7/31/2024	<0.005					
8/1/2024		<0.005	<0.005			<0.005
2/12/2025	<0.005	<0.005	<0.005	<0.005	<0.005	
2/13/2025						<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<1	1.14						19.9
5/18/2016			0.821 (J)	5.32	0.955 (J)	8.88	0.368 (J)	
7/19/2016	<1	1.4			0.76 (J)	9	<1	14
7/20/2016			0.82 (J)	6.5				
9/13/2016	<1	1.1	0.81 (J)	5.6		8.5	<1	11
9/14/2016					3.4			
11/9/2016	<1	1.1				8.2		6.3
11/10/2016			0.73 (J)	5.4			<1	
1/17/2017	<1	2.1						
1/18/2017			0.99 (J)	5.1		9.4	1.4	
1/19/2017					21			7.4
3/13/2017	<1	0.97 (J)						
3/14/2017			0.83 (J)	4.6	1.4	2	<1	10
4/24/2017	<1	0.75 (J)						
4/25/2017			0.7 (J)	6.6	0.89 (J)	8.2	<1	10
8/8/2017	<1	1.1	0.82 (J)			8.5	<1	12
8/9/2017				7.3	0.75 (J)			
8/25/2017					<1			
10/10/2017	<1	1.3						
10/11/2017			0.72 (J)	6.8	<1	8.3	<1	11
3/27/2018	<1	0.72 (J)						
3/28/2018			<1	6.8	0.88 (J)	8.1	<1	12
6/13/2018	<1				<1	8.3		8.2
6/14/2018		0.84 (J)	<1	6.9			<1	
9/24/2018		0.79 (J)						
9/27/2018	<1							
9/28/2018								7.6
10/2/2018						8.3		
10/3/2018			0.73 (J)	7	<1		<1	
4/1/2019	<1	1						
4/2/2019			1.1	8.1	0.94 (J)	8.5	0.4 (J)	11
9/16/2019	0.49 (J)				2.2	8.9		
9/17/2019		1.3		8.1				8
9/18/2019			0.78 (J)				<1	
3/16/2020	0.42 (J)	1.3						
3/17/2020			1.2	12	4	12	0.86 (J)	8.5
9/21/2020		1.1	0.77 (J)	7.7				
9/22/2020	<1				1.5	8	0.38 (J)	9
3/10/2021		0.9 (J)	0.91 (J)	8.1	<1		<1	7.1
3/11/2021	<1					8.4		
8/23/2021		1.3						
8/24/2021	<1			7.9	2.8	8.9	<1	
8/25/2021			0.79 (J)					8.2
2/28/2022				8.4				
3/1/2022	<1	1.6	0.98 (J)		0.99 (J)	9.2		
3/3/2022							<1	8.5
8/15/2022	<1	0.54 (J)			1.6	7.5		
8/16/2022			0.52 (J)	6.9			<1	7.2
2/14/2023	<1	0.66 (J)	0.65 (J)		0.66 (J)	7.9	<1	7.3
2/15/2023				7.8				
8/14/2023	<1	0.74 (J)						
8/15/2023			0.71 (J)	7.4	1.2	7.3	0.45 (J)	6.8

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
2/13/2024	<1	0.64 (J)	0.68 (J)	6.2		6.7	0.56 (J)	5.1
2/16/2024					1.5			
7/30/2024	<1	0.81 (J)	0.73 (J)	7.7		7.7	<1	8.6
2/10/2025	<1	1.1	1.1					
2/11/2025				8.1		7.9	0.7 (J)	8.4

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			2.84					50.7
5/19/2016	146	35.9		1.83	15.8	19.2		
7/19/2016								62
7/20/2016	150	37	2.8	1.6	16	11		
9/14/2016		39	2.8	1.5	16	8.6		79
9/15/2016	140							
11/10/2016						5.7		61
11/11/2016			2.6	1.4	14			
11/14/2016	160							
1/24/2017								34
1/27/2017				2.5	15	6.8		
2/6/2017	180		2.7					
2/8/2017							4.3	
2/9/2017		60						
2/23/2017							16	
3/14/2017								43
3/15/2017	170	44	2.7	2.5	17	11		
3/17/2017							22	
4/11/2017		36					13	
4/25/2017								39
4/26/2017	180	37	2.5	2.2	15	8.1	20	
5/17/2017							12	
6/7/2017							8.1	
7/11/2017							17	
8/9/2017						8.1		35
8/10/2017	180	38	2.2	2.3	16			
10/11/2017							3.4	48
10/12/2017	180	37	1.9	1.9	14	6.1		
3/29/2018	180	37		2.2	16	6.5	4.6	
3/30/2018			1.9					42
6/14/2018	170	37	2	1.7	14	5	5.8	44
10/3/2018								49
10/4/2018	780	38	1.9	1.6	14	4.3	2.8	
4/3/2019	180	41		1.9	13	3.8	3.8	
4/4/2019			2.2					41
9/18/2019						3.9	1.7	37
9/19/2019	190	42	2.1	1.3	14			
3/18/2020			2.1	1.6	12			17
3/19/2020	200	45				4	1.5	
9/22/2020	200							
9/23/2020		54	1.8		12			21
9/24/2020				2.7		0.63 (J)	1.2	
3/11/2021	220		2.8			2.9	1.7	
3/12/2021		62		2	14			19
8/25/2021				1.1	13	1.8	<1	
8/26/2021	220	52	1.8					16
3/3/2022	250	58	2	2.3		3	1.3	18
3/4/2022					14			
8/16/2022	220			0.98 (J)				
8/17/2022		50						14
8/18/2022					11	1.7		
8/19/2022			1.6				<1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
2/15/2023		65						14
2/16/2023	250		1.8	1	2.8	2.3	0.47 (J)	
8/15/2023	240							
8/16/2023		50		1	12	2.1	0.52 (J)	13
8/17/2023			1.7					
2/13/2024	190							
2/14/2024		37			8.8			
2/15/2024			3.2			4.3	1.2	16
2/16/2024				2.1				
7/31/2024			1.9	1	12	2.2		14
8/1/2024	250	50						
8/2/2024							0.6 (J)	
2/11/2025	280	26		0.41 (J)	13			
2/12/2025						2.6	0.45 (J)	
2/13/2025			1.9					13

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	388	32.1						
7/19/2016	460							
7/20/2016		9.7						
9/14/2016	500	6.6						
11/10/2016	530	5.2						
11/11/2016			3.4					
1/20/2017		5.3						
1/24/2017	600							
2/6/2017			3.7					
3/14/2017		9.6						
3/15/2017	610		3.6					
4/11/2017			3.2					
4/25/2017	620	20						
4/26/2017			3.3					
6/7/2017			3.8					
7/11/2017			3.3					
8/9/2017	780	6.5						
8/10/2017			3.7					
10/11/2017	720	13						
10/12/2017			3.6					
3/29/2018	700		3.4					
3/30/2018		16						
6/14/2018	620	16	3.5					
10/4/2018	560	15	4.6					
4/2/2019			3.8					
4/4/2019	250	9.1						
9/18/2019	130	7.3	3.6					
3/18/2020	120	4.2						
5/4/2020			4.5					
9/23/2020	85	4.4	3					
3/8/2021				240				
3/9/2021					230	80	14	140
3/11/2021	64	3.9	4					
4/7/2021					190		5.1	160
4/8/2021				240		60		
8/25/2021	63	3.3						
8/26/2021			3.5	290	190	100	7.5	170
1/11/2022					260	140	5.3	160
1/12/2022				360				
3/3/2022	57		4.8		250			130
3/4/2022		3.6		390		150	5	
6/6/2022					140		5.3	67
6/7/2022				280		96		
8/16/2022		3.4			240			
8/17/2022	49		2.8				5.5	
8/18/2022				280				49
8/19/2022						87		
2/15/2023	54					110	5.2	120
2/16/2023		2.6	3	350	340			
8/11/2023				330				
8/15/2023	52							
8/16/2023		2.6	2.6					

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					310	71	4.9	50
2/13/2024				280				
2/14/2024						64		55
2/15/2024	50	5.4	5.7		420		8.7	
7/30/2024	41							
7/31/2024		3	3.2	380			5.6	43
8/1/2024					320			
8/2/2024						55		
2/11/2025		3.4						
2/12/2025	40			470		66		
2/13/2025			3.3		350		7.3	79

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					9.5	
10/18/2018				3.7		
3/8/2021	4.7					
3/9/2021						46
4/7/2021						48
4/8/2021	5.8					
8/26/2021	13					
1/11/2022	21					
3/4/2022	21					
6/7/2022	22					
8/17/2022	25					
10/19/2022		12				
2/15/2023	27					
2/16/2023		29				
8/11/2023		31				
8/15/2023	19					
8/17/2023						31
9/26/2023			380			
11/7/2023			480			
2/14/2024			300			
2/15/2024	21	37				36
7/31/2024	22					
8/1/2024		26	490			53
12/9/2024					5.6	
1/8/2025				3.5		
2/12/2025	17	27	300	37	4.1	
2/13/2025						24

Time Series

Constituent: TDS (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<10	100						112
5/18/2016			29	101	33	113	31	
7/19/2016	14	84			<5	92	<5	80
7/20/2016			<5	86				
9/13/2016	50	70	12	28		100	<5	120
9/14/2016					150			
11/9/2016	22	110				130		76
11/10/2016			30	110			44	
1/17/2017	8	120						
1/18/2017			22	98		120	50	
1/19/2017					34			36
3/13/2017	<10	58						
3/14/2017			22	110	32	110	26	70
4/24/2017	10	94						
4/25/2017			22	86	22	100	10	70
8/8/2017	<10	62	4 (J)			90	<5	72
8/9/2017				92	20			
8/25/2017					<5			
10/10/2017	44	140						
10/11/2017			10	110	4 (J)	98	42	90
3/27/2018	18	92						
3/28/2018			34	110	12	130	6	120
6/13/2018	24				<5	110		38
6/14/2018		80	26	92			14	
9/24/2018		76						
9/27/2018	28							
9/28/2018								68
10/2/2018						130		
10/3/2018			50	100	24		6	
4/1/2019	<10	63						
4/2/2019			28	100	25	110	15	100
9/16/2019	27				41	110		
9/17/2019		120		120				76
9/18/2019			36				35	
3/16/2020	23	90						
3/17/2020			20	100	18	120	19	81
9/21/2020		100	22	92				
9/22/2020	24				190	130	15	96
3/10/2021		100	20	100	19		20	72
3/11/2021	24					110		
8/23/2021		110						
8/24/2021	32			110	150	120	24	
8/25/2021			21					92
2/28/2022				95				
3/1/2022	30	92	31		23	140		
3/3/2022							17	43
8/15/2022	45	100			140	120		
8/16/2022			30	110			22	60
2/14/2023	34	100	27		24	120	24	42
2/15/2023				100				
8/14/2023	37	110						
8/15/2023			34	110	82	130	29	56

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
2/13/2024	36	140	34	110		120	51	43
2/16/2024					34			
7/30/2024	34	100	31	100		110	23	63
2/10/2025	37	120	34					
2/11/2025				110		120	84	46

Time Series

Constituent: TDS (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			70					190
5/19/2016	311	134		39	101	127		
7/19/2016								180
7/20/2016	290	120	42	<10	76	88		
9/14/2016		140	40	24	96	92		230
9/15/2016	270							
11/10/2016						100		210
11/11/2016			72	42	100			
11/14/2016	320							
1/24/2017								140
1/27/2017				18	50	80		
2/6/2017	330		24					
2/8/2017							54	
2/9/2017		180						
2/23/2017							78	
3/14/2017								220
3/15/2017	370	160	78	54	120	100		
3/17/2017							56	
4/11/2017		120					76	
4/25/2017								180
4/26/2017	380	140	48	42	100	92	76	
5/17/2017							68	
6/7/2017							72	
7/11/2017							68	
8/9/2017						120		180
8/10/2017	380	130	38	30	96			
10/11/2017							68	200
10/12/2017	450	120	72	54	100	110		
3/29/2018	500	130		62	120	120	48	
3/30/2018			64					210
6/14/2018	410	120	40	16	94	88	52	170
10/3/2018								260
10/4/2018	520	140	60	56	110	100	130	
4/3/2019	430	120		<10	66	72	31	
4/4/2019			30					170
9/18/2019						110	33	160
9/19/2019	440	130	52	27	89			
3/18/2020			58	26	73			160
3/19/2020	540	160				95	18	
9/22/2020	600							
9/23/2020		150	50		90			150
9/24/2020				60		21	24	
3/11/2021	530		52			63	24	
3/12/2021		130		27	78			130
8/25/2021				32	110	53	30	
8/26/2021	550	170	60					150
3/3/2022	530	140	45	21		71	17	140
3/4/2022					89			
8/16/2022	580			33				
8/17/2022		150						140
8/18/2022					88	89		
8/19/2022			63				26	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
2/15/2023		160						130
2/16/2023	590		54	33	89	81	27	
8/15/2023	680							
8/16/2023		110		33	92	84	29	150
8/17/2023			56					
2/13/2024	620							
2/14/2024		150			85			
2/15/2024			53			84	31	130
2/16/2024				31				
7/31/2024			56	35	92	85		140
8/1/2024	570	150						
8/2/2024							31	
2/11/2025	630	140		35	96			
2/12/2025						84	28	
2/13/2025			58					140

Time Series

Constituent: TDS (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	1080	107						
7/19/2016	1200							
7/20/2016		78						
9/14/2016	1300	82						
11/10/2016	1400	98						
11/11/2016			98					
1/20/2017		82						
1/24/2017	1300							
2/6/2017			36					
3/14/2017		120						
3/15/2017	1500		120					
4/11/2017			68					
4/25/2017	1700	120						
4/26/2017			76					
6/7/2017			74					
7/11/2017			70					
8/9/2017	1900	92						
8/10/2017			66					
10/11/2017	1900	74						
10/12/2017			100					
3/29/2018	2200		110					
3/30/2018		100						
6/14/2018	1500	100	74					
10/4/2018	1700	98	100					
4/2/2019			88					
4/4/2019	710	89						
9/18/2019	520	79	96					
3/18/2020	370	98						
5/4/2020			110					
9/23/2020	250	60	94					
3/8/2021				590				
3/9/2021					610	200	79	370
3/11/2021	190	75	100					
4/7/2021					520		66	510
4/8/2021				540		170		
8/25/2021	220	84						
8/26/2021			94	720	480	240	88	420
1/11/2022					580	270	67	320
1/12/2022				1200				
3/3/2022	170		98		580			280
3/4/2022		55		1100		260	69	
6/6/2022					670		90	210
6/7/2022				920		210		
8/16/2022		81			530			
8/17/2022	170		93				85	
8/18/2022				760				140
8/19/2022						190		
2/15/2023	160					210	71	230
2/16/2023		77	100	960	630			
8/11/2023				910				
8/15/2023	160							
8/16/2023		81	100					

Time Series

Constituent: TDS (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					690	180	73	150
2/13/2024				1200				
2/14/2024						210		180
2/15/2024	150	79	100		740		76	
7/30/2024	120							
7/31/2024		83	97	1200			81	120
8/1/2024					630			
8/2/2024						170		
2/11/2025		81						
2/12/2025	120			1300		150		
2/13/2025			100		610		140	160

Time Series

Constituent: TDS (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					110	
10/18/2018				120		
3/8/2021	220					
3/9/2021						180
4/7/2021						410
4/8/2021	180					
8/26/2021	200					
1/11/2022	220					
3/4/2022	200					
6/7/2022	240					
8/17/2022	210					
10/19/2022		92				
2/15/2023	200					
2/16/2023		160				
8/11/2023		180				
8/15/2023	180					
8/17/2023						150
9/26/2023			1400			
11/7/2023			1600			
2/14/2024			1700			
2/15/2024	130	170				160
7/31/2024	210					
8/1/2024		170	1700			200
12/9/2024					120	
1/8/2025				120		
2/12/2025	170	160	2000	130	140	
2/13/2025						150

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
5/17/2016	<0.001	<0.001						<0.001
5/18/2016			<0.001	<0.001	<0.001	<0.001	<0.001	
7/19/2016	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
7/20/2016			<0.001	<0.001				
9/13/2016	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
9/14/2016					9E-05 (J)			
11/9/2016	<0.001	<0.001				<0.001		<0.001
11/10/2016			<0.001	<0.001			<0.001	
1/17/2017	<0.001	<0.001						
1/18/2017			<0.001	<0.001		<0.001	<0.001	
1/19/2017					<0.001			<0.001
3/13/2017	<0.001	<0.001						
3/14/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/24/2017	<0.001	<0.001						
4/25/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2017	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001
8/9/2017				<0.001	<0.001			
8/25/2017					<0.001			
3/27/2018	<0.001	<0.001						
3/28/2018			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/13/2018	<0.001				<0.001	<0.001		<0.001
6/14/2018		<0.001	<0.001	<0.001			<0.001	
9/24/2018		<0.001						
9/27/2018	<0.001							
9/28/2018								<0.001
10/2/2018						<0.001		
10/3/2018			<0.001	<0.001	<0.001		<0.001	
2/25/2019	<0.001	<0.001						
2/26/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001						
4/2/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019	0.00016 (J)				<0.001	0.00062 (J)		
9/17/2019		<0.001		<0.001				<0.001
9/18/2019			<0.001				<0.001	
2/3/2020	<0.001	0.0002 (J)						
2/4/2020			<0.001	<0.001	<0.001	<0.001		
2/5/2020							0.00026 (J)	<0.001
3/16/2020	0.00036 (J)	0.0003 (J)						
3/17/2020			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/21/2020		<0.001	<0.001	<0.001				
9/22/2020	<0.001				<0.001	<0.001	<0.001	<0.001
2/2/2021	<0.001	0.0004 (J)	<0.001	<0.001			<0.001	<0.001
2/3/2021					0.00042 (J)	<0.001		
3/10/2021		0.00073 (J)	0.00028 (J)	0.00017 (J)	<0.001		<0.001	<0.001
3/11/2021	0.00045 (J)					<0.001		
8/23/2021		<0.001						
8/24/2021	<0.001			<0.001	<0.001	<0.001	<0.001	
8/25/2021			<0.001					<0.001
2/28/2022				<0.001				
3/1/2022	<0.001	<0.001	<0.001		<0.001	<0.001		
3/3/2022							<0.001	<0.001
8/15/2022	<0.001	<0.001			<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)
8/16/2022			<0.001	<0.001			<0.001	<0.001
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2/15/2023				<0.001				
8/14/2023	<0.001	<0.001						
8/15/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/16/2024					<0.001			
7/30/2024	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/10/2025	<0.001	<0.001	<0.001					
2/11/2025				<0.001		<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
5/18/2016			<0.001					<0.001
5/19/2016	<0.001	<0.001		<0.001	<0.001	<0.001		
7/19/2016								<0.001
7/20/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
9/14/2016		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
9/15/2016	<0.001							
11/10/2016						<0.001		<0.001
11/11/2016			<0.001	<0.001	<0.001			
11/14/2016	<0.001							
1/24/2017								<0.001
1/27/2017				<0.001	<0.001	<0.001		
2/6/2017	<0.001		<0.001					
2/8/2017							0.00011 (J)	
2/9/2017		<0.001						
2/23/2017							0.00012 (J)	
3/14/2017								<0.001
3/15/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
3/17/2017							<0.001	
4/11/2017		<0.001					<0.001	
4/25/2017								<0.001
4/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
5/17/2017							<0.001	
6/7/2017							<0.001	
7/11/2017							<0.001	
8/9/2017						<0.001		<0.001
8/10/2017	<0.001	<0.001	<0.001	<0.001	<0.001			
3/29/2018	<0.001	<0.001		<0.001	<0.001	<0.001	0.0002 (J)	
3/30/2018			8.5E-05 (J)					<0.001
6/14/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00014 (J)	<0.001
10/3/2018								<0.001
10/4/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00013 (J)	
2/27/2019	<0.001		<0.001	<0.001	<0.001	<0.001	0.00016 (J)	<0.001
2/28/2019		<0.001						
4/3/2019	<0.001	<0.001		<0.001	<0.001	<0.001	0.00012 (J)	
4/4/2019			<0.001					<0.001
9/18/2019						<0.001	<0.001	<0.001
9/19/2019	<0.001	<0.001	<0.001	<0.001	<0.001			
2/5/2020		<0.001	<0.001	<0.001	<0.001	<0.001	0.00022 (J)	
2/7/2020	<0.001							<0.001
3/18/2020			<0.001	<0.001	<0.001			<0.001
3/19/2020	<0.001	<0.001				<0.001	0.00017 (J)	
9/22/2020	<0.001							
9/23/2020		<0.001	<0.001		<0.001			<0.001
9/24/2020				<0.001		<0.001	<0.001	
2/3/2021	<0.001			0.00016 (J)	<0.001			
2/4/2021		<0.001	<0.001			<0.001	0.00021 (J)	<0.001
3/11/2021	<0.001		<0.001			<0.001	0.00019 (J)	
3/12/2021		<0.001		<0.001	<0.001			<0.001
8/25/2021				<0.001	<0.001	<0.001	<0.001	
8/26/2021	<0.001	<0.001	<0.001					<0.001
3/3/2022	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
3/4/2022					<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13	WGWC-14A	WGWC-15
8/16/2022	<0.001			<0.001				
8/17/2022		<0.001						<0.001
8/18/2022					<0.001	<0.001		
8/19/2022			<0.001				<0.001	
2/15/2023		<0.001						<0.001
2/16/2023	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	
8/15/2023	<0.001							
8/16/2023		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2023			<0.001					
2/13/2024	<0.001							
2/14/2024		<0.001			<0.001			
2/15/2024			<0.001			<0.001	<0.001	<0.001
2/16/2024				<0.001				
7/31/2024			<0.001	<0.001	<0.001	<0.001		<0.001
8/1/2024	<0.001	<0.001						
8/2/2024							<0.001	
2/11/2025	<0.001	<0.001		<0.001	<0.001			
2/12/2025						<0.001	<0.001	
2/13/2025			<0.001					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
5/18/2016	<0.001	<0.001						
7/19/2016	8.5E-05 (J)							
7/20/2016		<0.001						
9/14/2016	0.00017 (J)	<0.001						
11/10/2016	0.00017 (J)	<0.001						
11/11/2016			<0.001					
1/20/2017		<0.001						
1/24/2017	0.00023 (J)							
2/6/2017			<0.001					
3/14/2017		<0.001						
3/15/2017	0.00021 (J)		<0.001					
4/11/2017			<0.001					
4/25/2017	0.00024 (J)	<0.001						
4/26/2017			<0.001					
6/7/2017			<0.001					
7/11/2017			<0.001					
8/9/2017	0.0002 (J)	<0.001						
8/10/2017			<0.001					
3/29/2018	0.00019 (J)		<0.001					
3/30/2018		<0.001						
6/14/2018	0.00017 (J)	<0.001	<0.001					
10/4/2018	0.00015 (J)	<0.001	<0.001					
2/26/2019		<0.001						
2/27/2019	0.00015 (J)							
2/28/2019			<0.001					
4/2/2019			<0.001					
4/4/2019	9.5E-05 (J)	<0.001						
9/18/2019	<0.001	<0.001	<0.001					
2/7/2020	<0.001	<0.001	<0.001					
3/18/2020	<0.001	<0.001						
5/4/2020			<0.001					
9/23/2020	<0.001	<0.001	<0.001					
2/3/2021			0.00018 (J)					
2/4/2021	<0.001	<0.001						
3/11/2021	<0.001	<0.001	<0.001					
8/25/2021	<0.001	<0.001						
8/26/2021			<0.001	<0.001	<0.001	<0.001	<0.001	0.00072 (J)
1/11/2022					<0.001	<0.001	<0.001	0.00062 (J)
1/12/2022				<0.001				
3/3/2022	<0.001		<0.001		<0.001			0.0006 (J)
3/4/2022		<0.001		<0.001		0.00047 (J)	<0.001	
6/6/2022					<0.001		<0.001	0.00052 (J)
6/7/2022				<0.001		<0.001		
8/16/2022		<0.001			<0.001			
8/17/2022	<0.001		<0.001				<0.001	
8/18/2022				<0.001				0.0003 (J)
8/19/2022						<0.001		
2/15/2023	<0.001					<0.001	<0.001	0.00045 (J)
2/16/2023		<0.001	<0.001	<0.001	<0.001			
8/11/2023				<0.001				
8/15/2023	<0.001							
8/16/2023		<0.001	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-24
8/17/2023					<0.001	<0.001	<0.001	0.00028 (J)
2/13/2024				<0.001				
2/14/2024						<0.001		0.00033 (J)
2/15/2024	<0.001	<0.001	<0.001		<0.001		<0.001	
7/30/2024	<0.001							
7/31/2024		<0.001	<0.001	<0.001			<0.001	0.00031 (J)
8/1/2024					<0.001			
8/2/2024						<0.001		
2/11/2025		<0.001						
2/12/2025	<0.001			<0.001		<0.001		
2/13/2025			<0.001		<0.001		<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

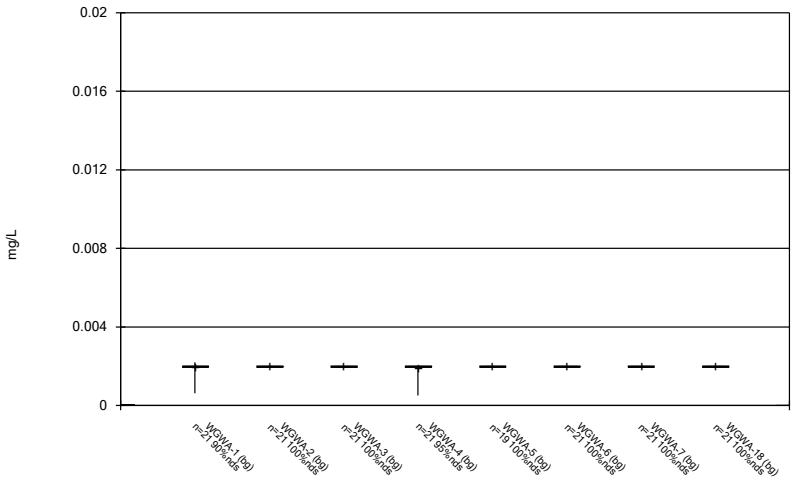
	WGWC-25	WGWC-27	WGWC-28D	WAMW-1	WAMW-2	PZ-26D
10/16/2018					<0.001	
10/18/2018				<0.001		
8/26/2021	<0.001					
1/11/2022	<0.001					
3/4/2022	<0.001					
6/7/2022	<0.001					
8/17/2022	<0.001					
10/19/2022		<0.001				
2/15/2023	<0.001					
2/16/2023		<0.001				
8/11/2023		<0.001				
8/15/2023	<0.001					
8/17/2023						<0.001
9/26/2023			<0.001			
2/14/2024			<0.001			
2/15/2024	<0.001	<0.001				<0.001
7/31/2024	<0.001					
8/1/2024		<0.001	<0.001			<0.001
2/12/2025	<0.001	<0.001	<0.001	<0.001	<0.001	
2/13/2025						<0.001

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

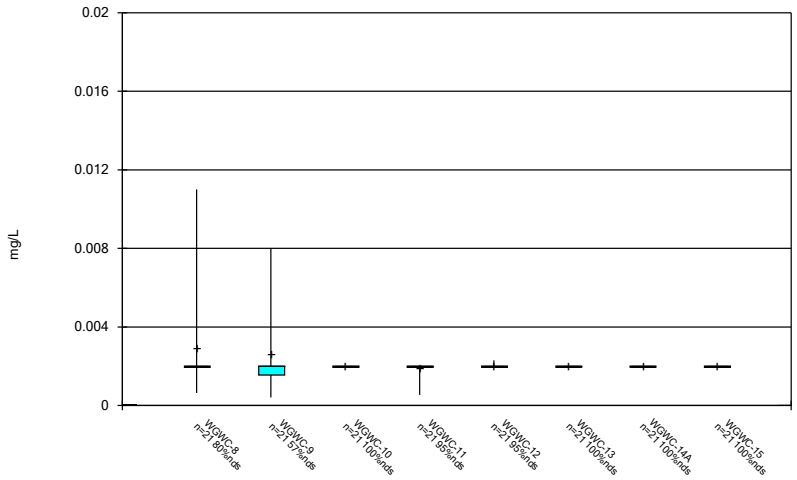
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/11/2025 1:44 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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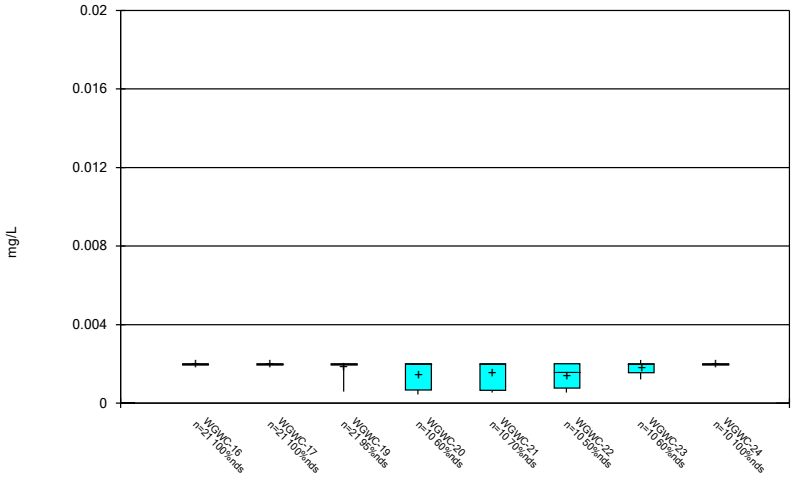
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/11/2025 1:44 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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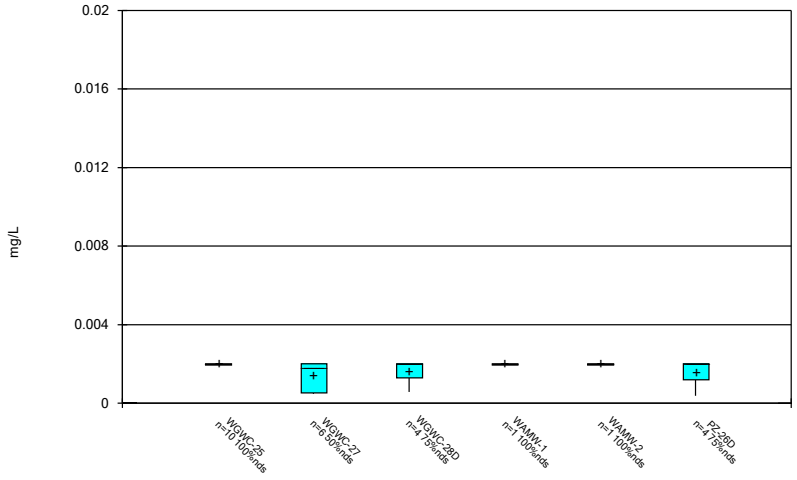
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/11/2025 1:44 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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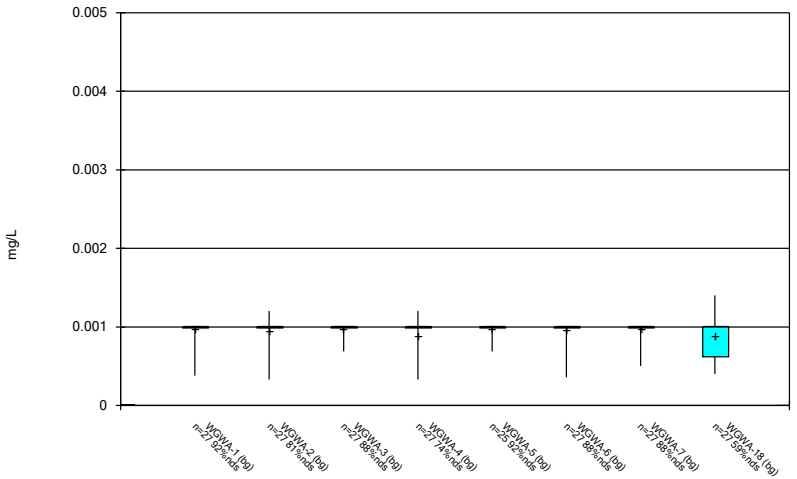
Box & Whiskers Plot



Constituent: Antimony Analysis Run 4/11/2025 1:44 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

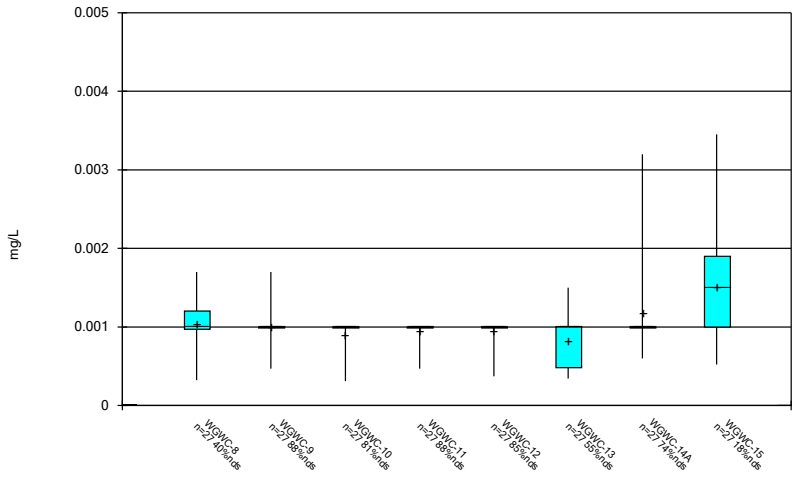


Constituent: Arsenic Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

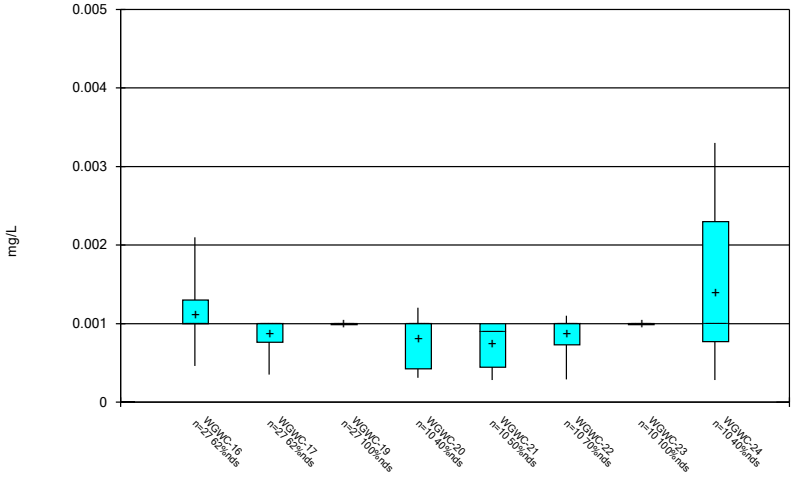


Constituent: Arsenic Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

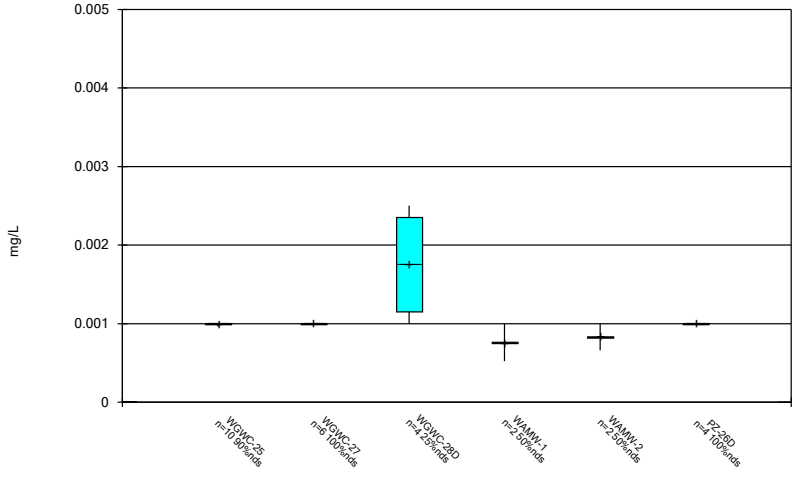


Constituent: Arsenic Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

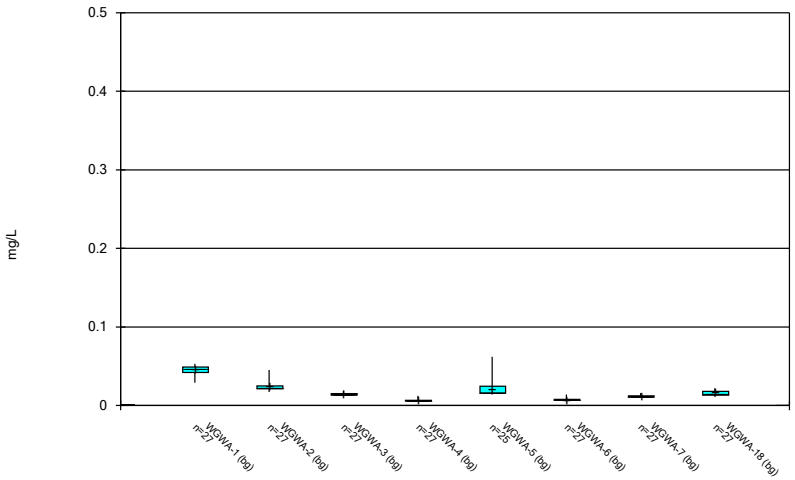


Constituent: Arsenic Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

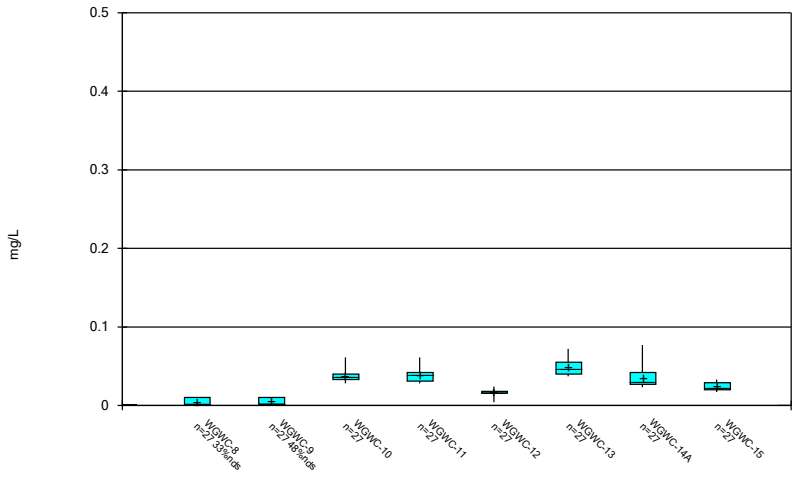


Constituent: Barium Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

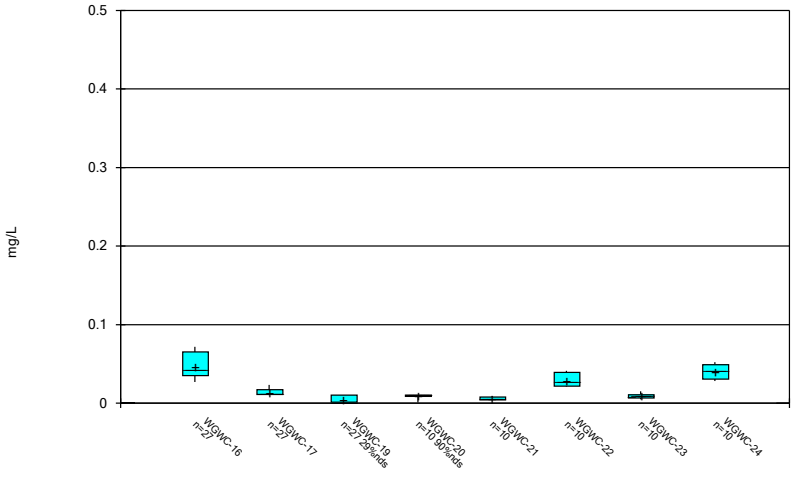


Constituent: Barium Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

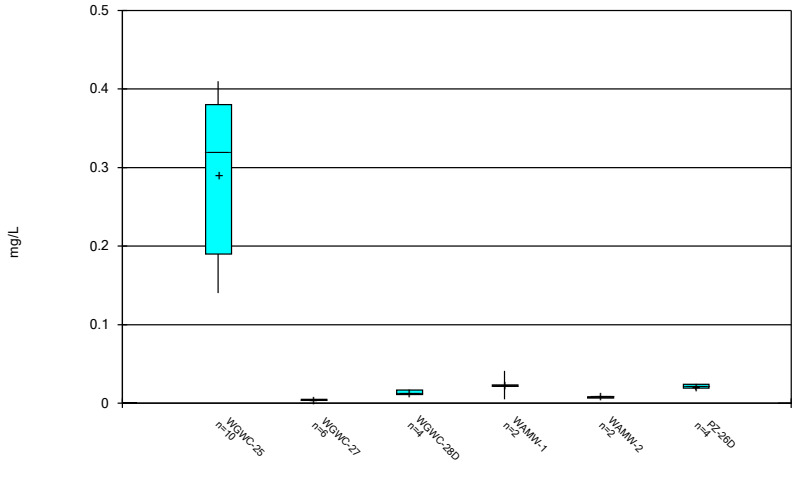


Constituent: Barium Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

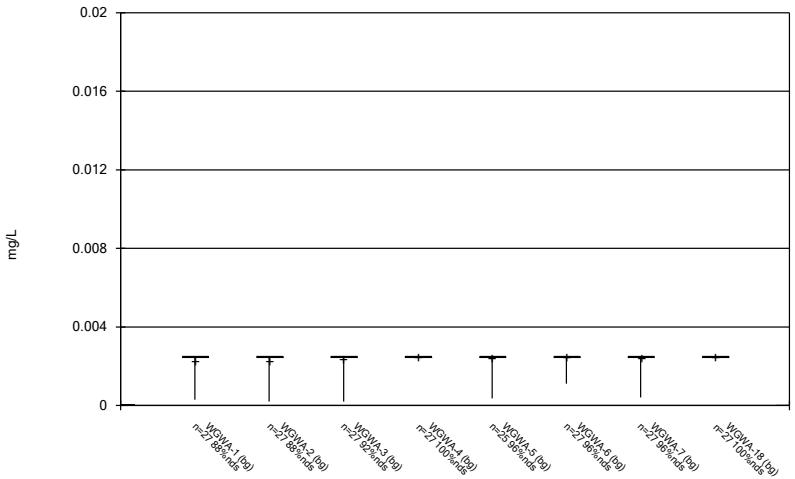


Constituent: Barium Analysis Run 4/11/2025 1:44 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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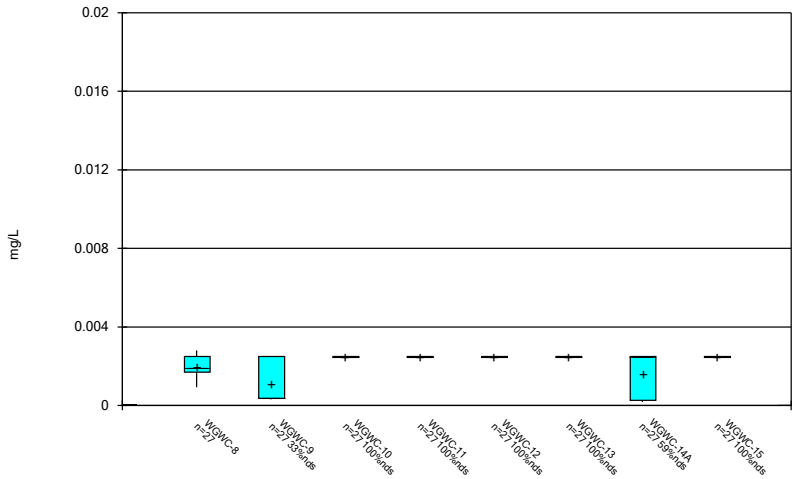
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 4/11/2025 1:44 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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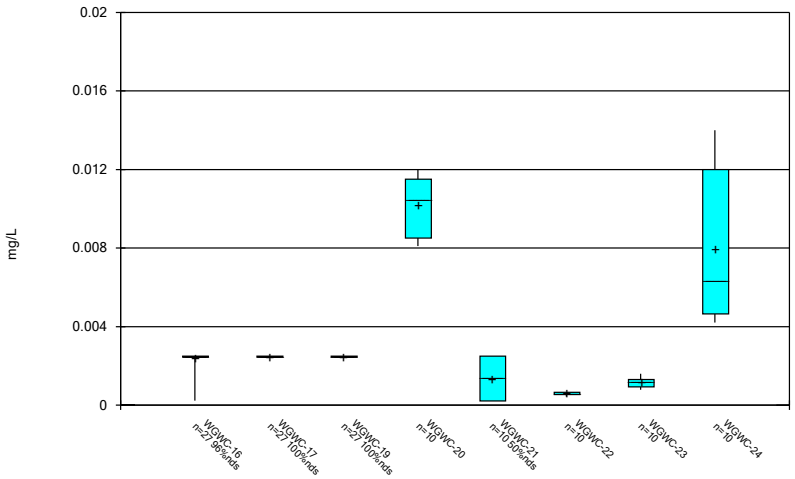
Box & Whiskers Plot



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Plant Wansley Client: Southern Company Data: Wansley AP 1

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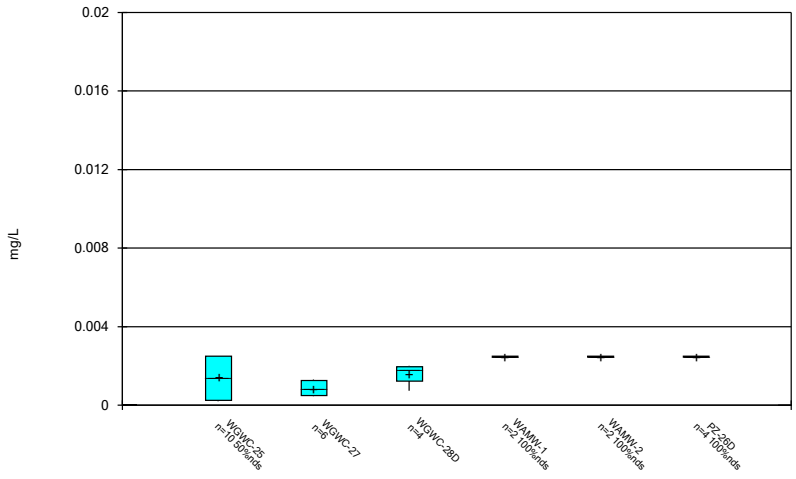
Box & Whiskers Plot



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Plant Wansley Client: Southern Company Data: Wansley AP 1

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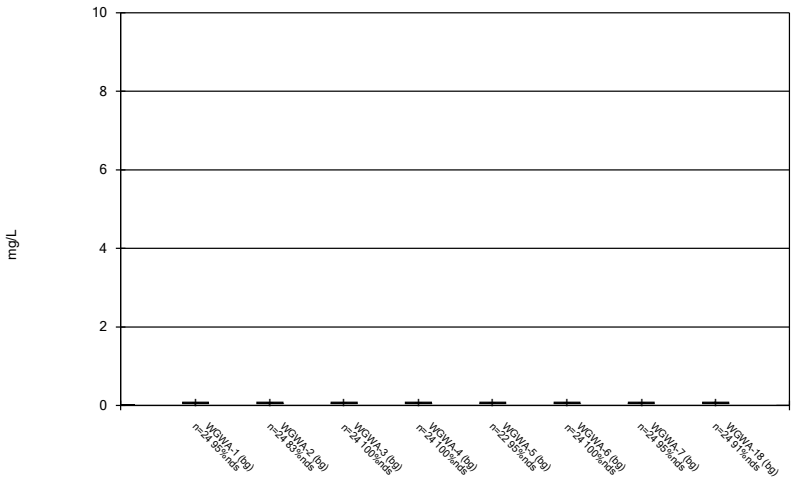
Box & Whiskers Plot



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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

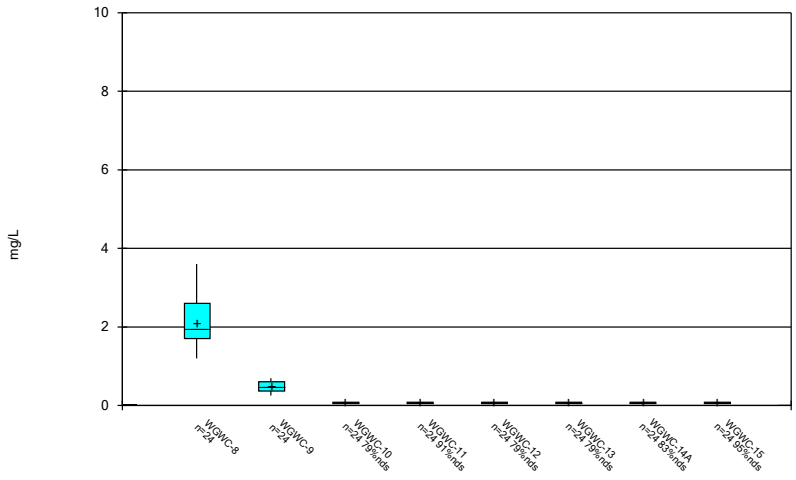


Constituent: Boron Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

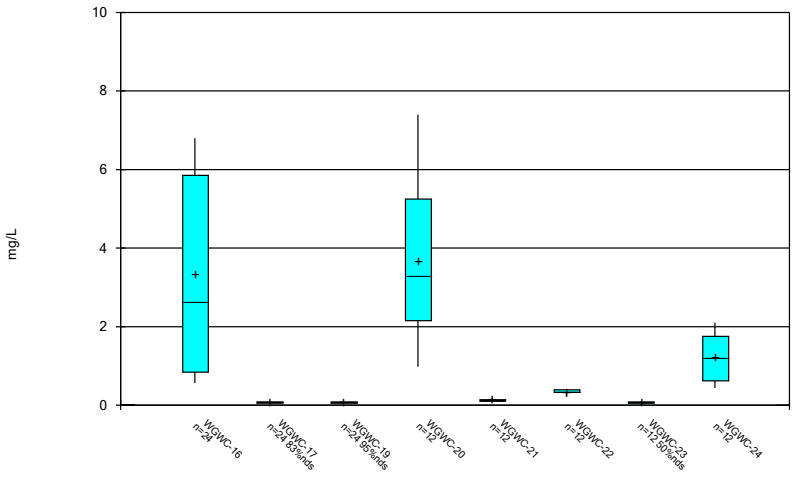


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

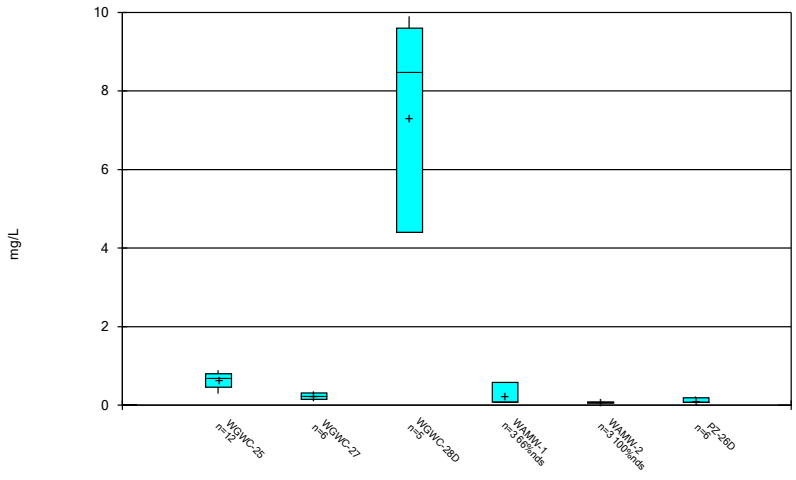


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

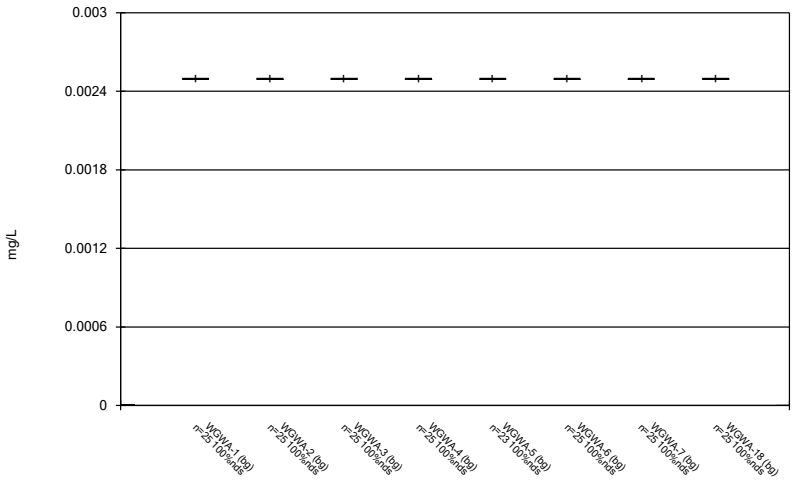


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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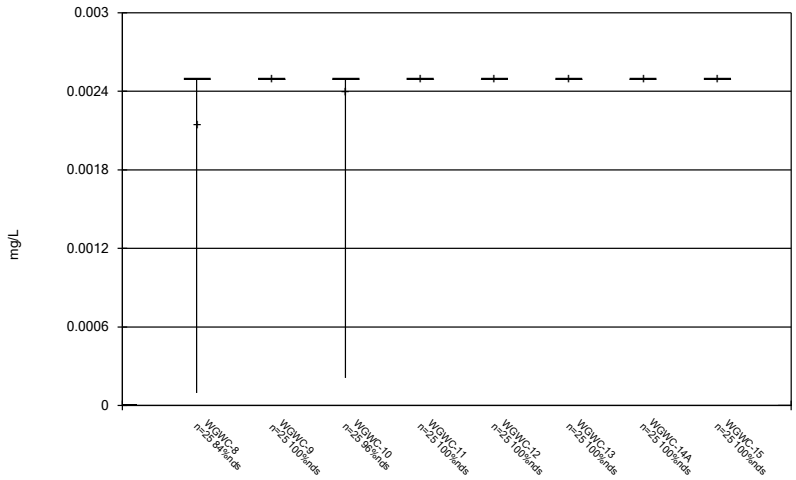
Box & Whiskers Plot



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Plant Wansley Client: Southern Company Data: Wansley AP 1

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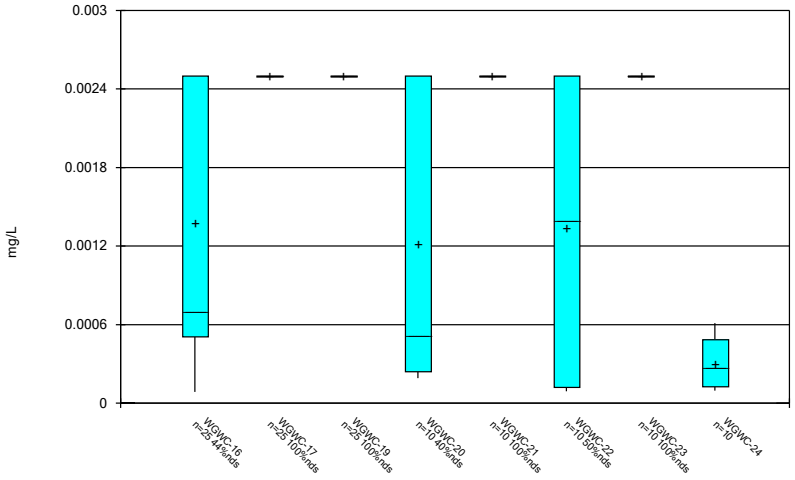
Box & Whiskers Plot



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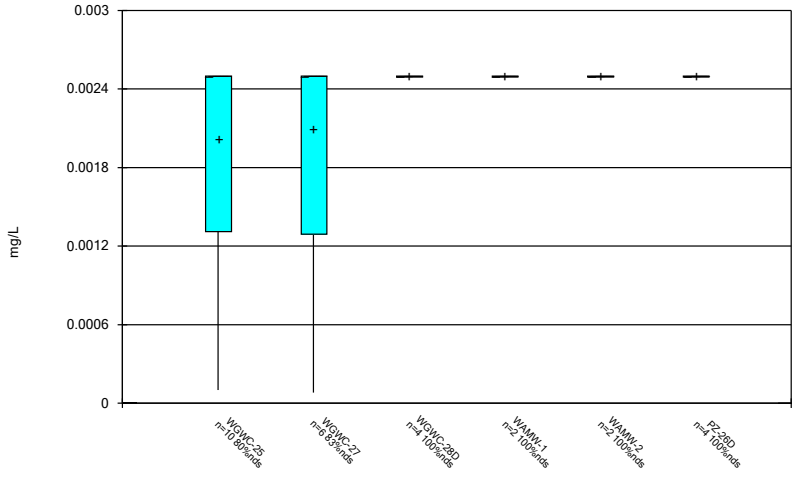
Box & Whiskers Plot



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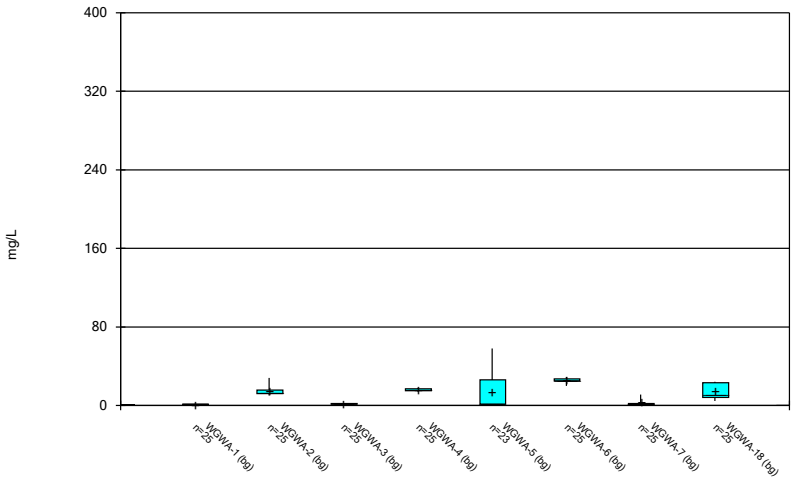
Box & Whiskers Plot



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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

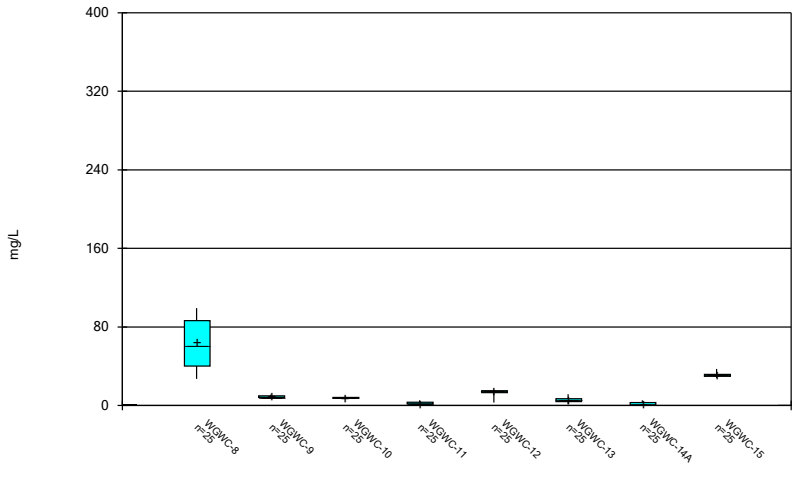


Constituent: Calcium Analysis Run 4/11/2025 1:45 PM

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Box & Whiskers Plot

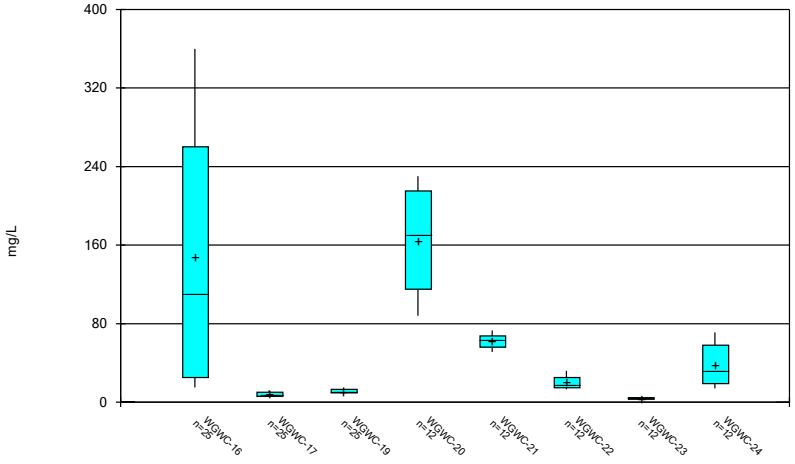


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

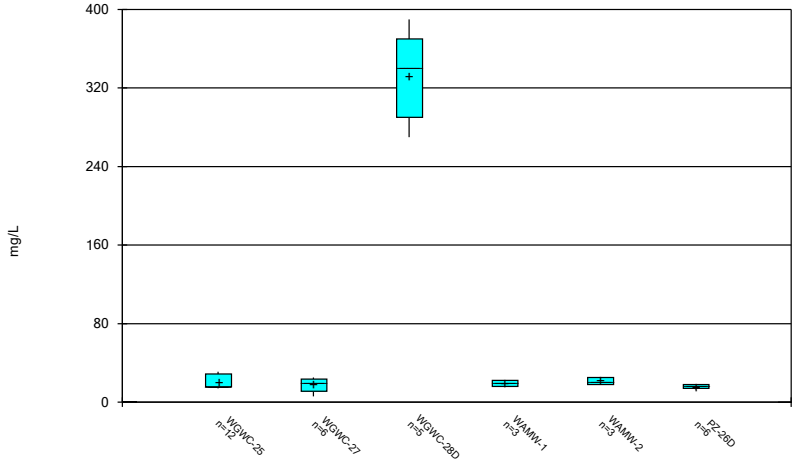


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Box & Whiskers Plot

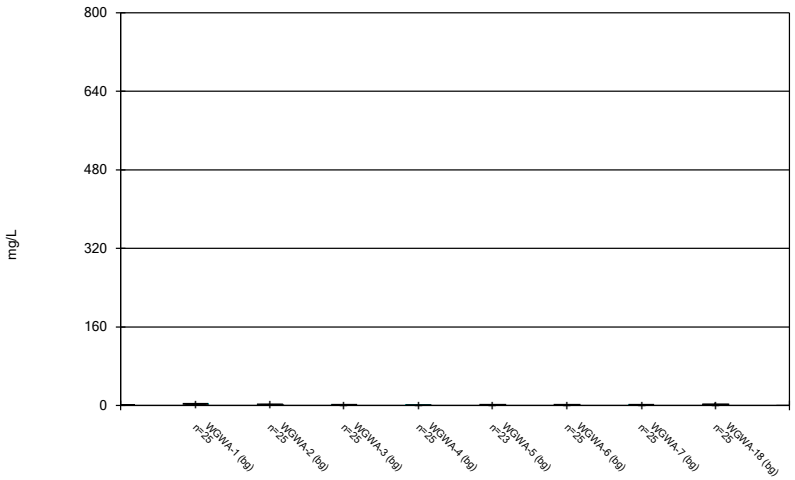


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Box & Whiskers Plot

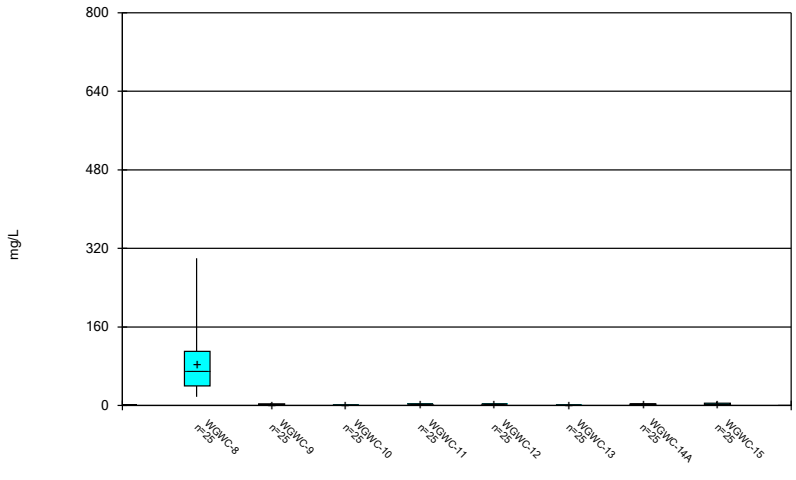


Constituent: Chloride Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

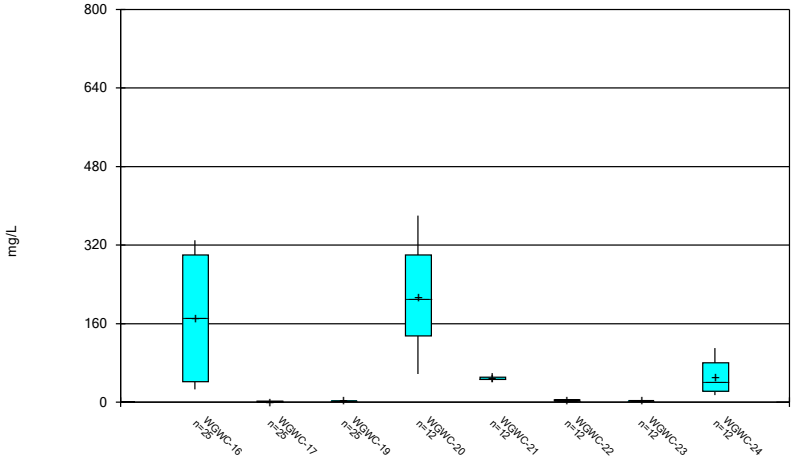


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Box & Whiskers Plot

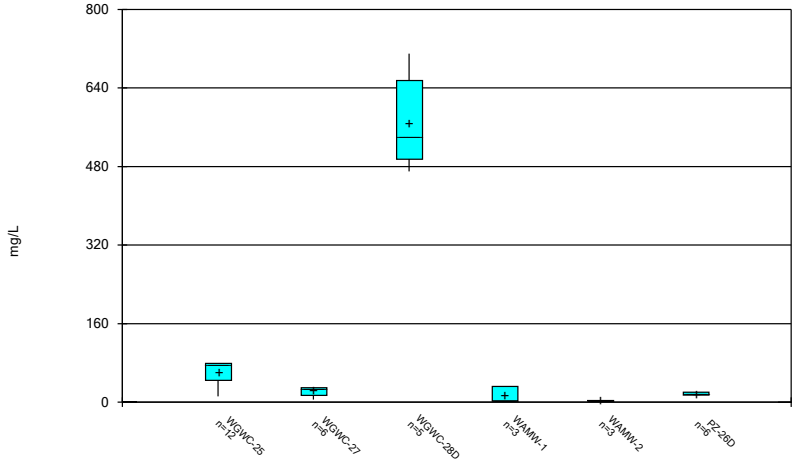


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Box & Whiskers Plot

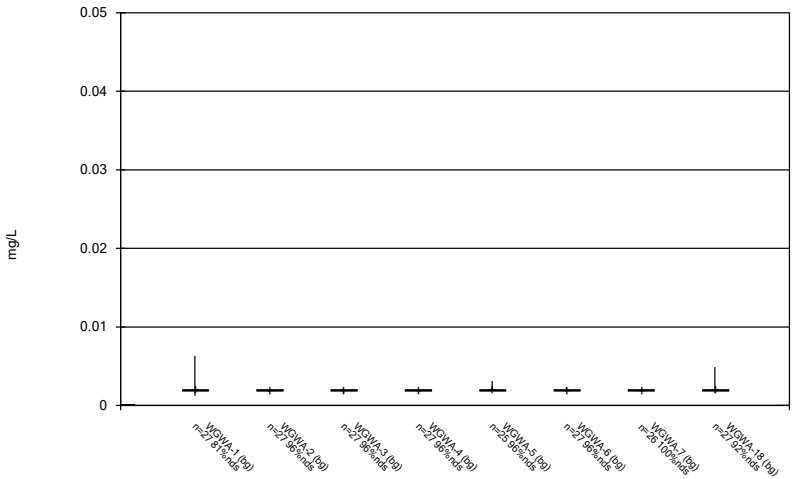


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Box & Whiskers Plot

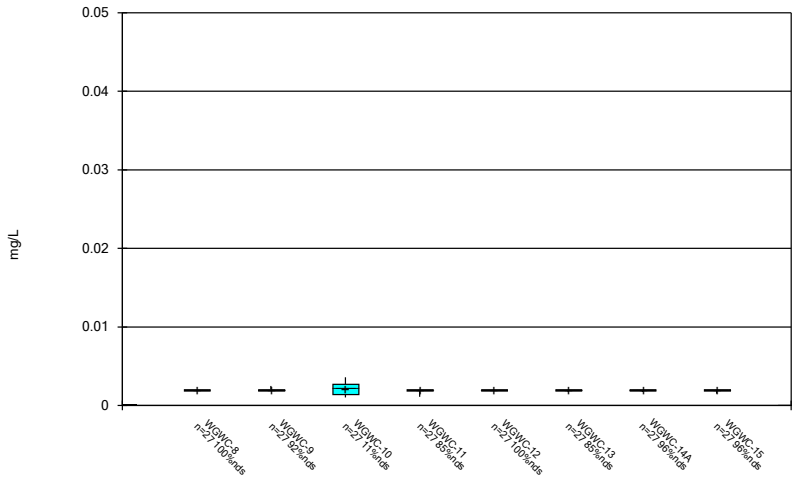


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

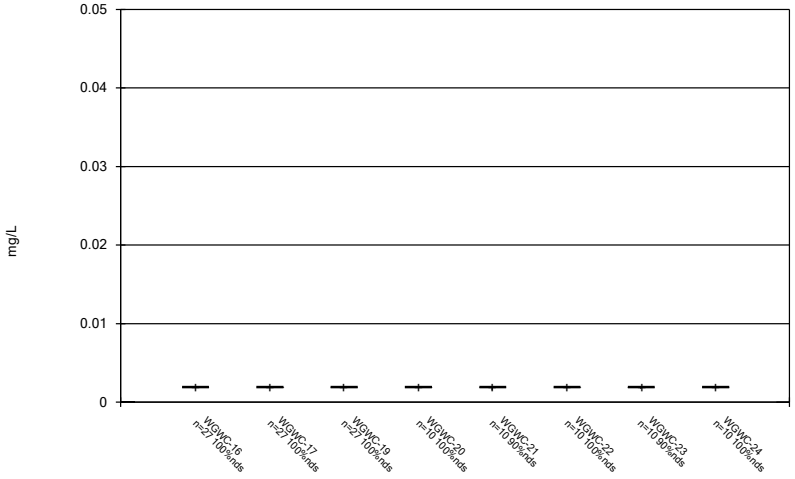


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Box & Whiskers Plot

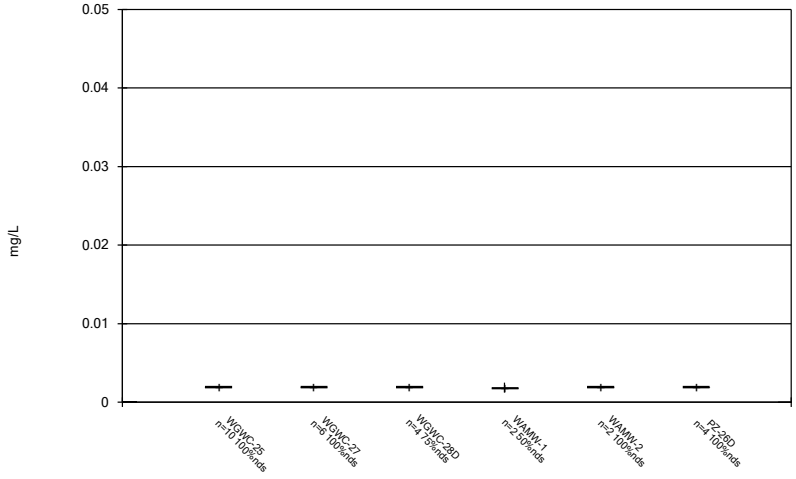


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Box & Whiskers Plot

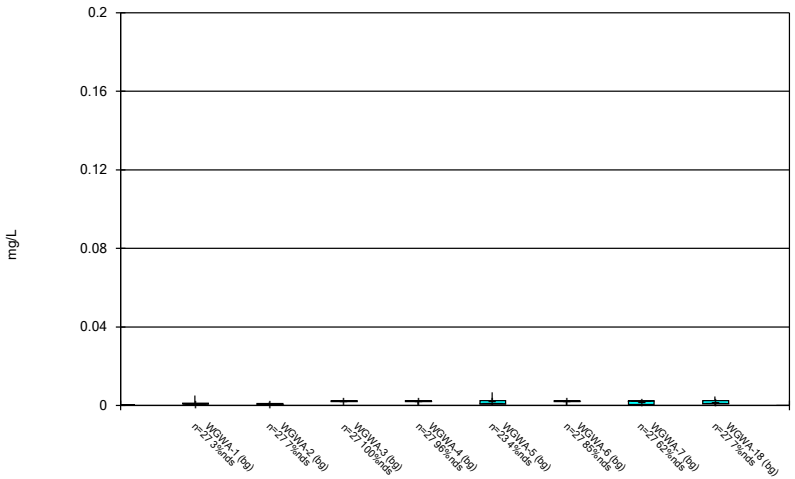


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

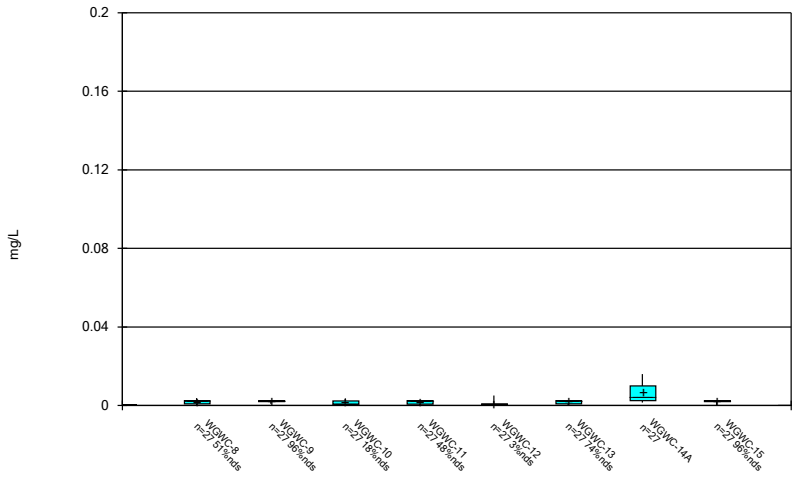


Constituent: Cobalt Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

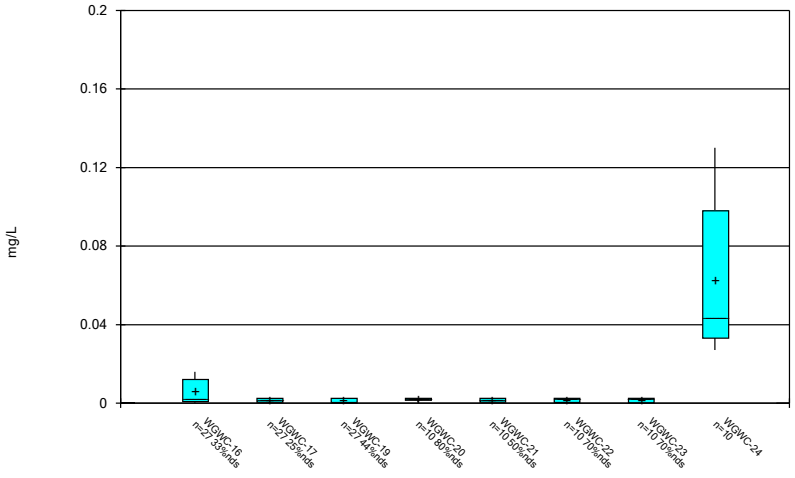


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

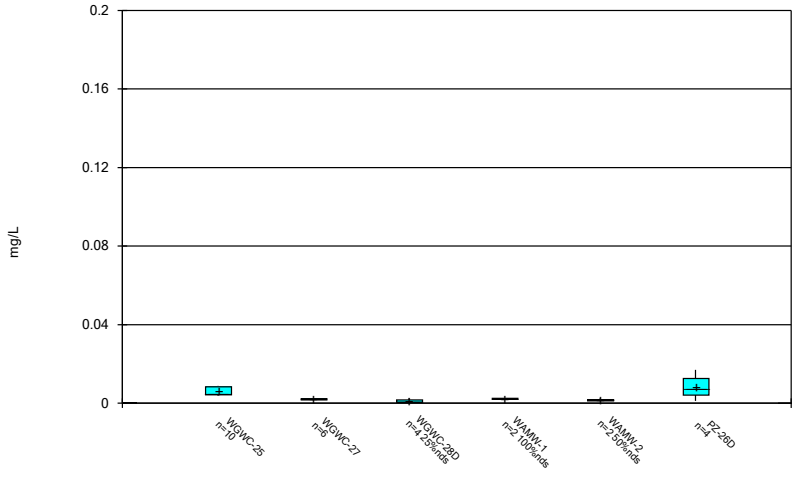


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

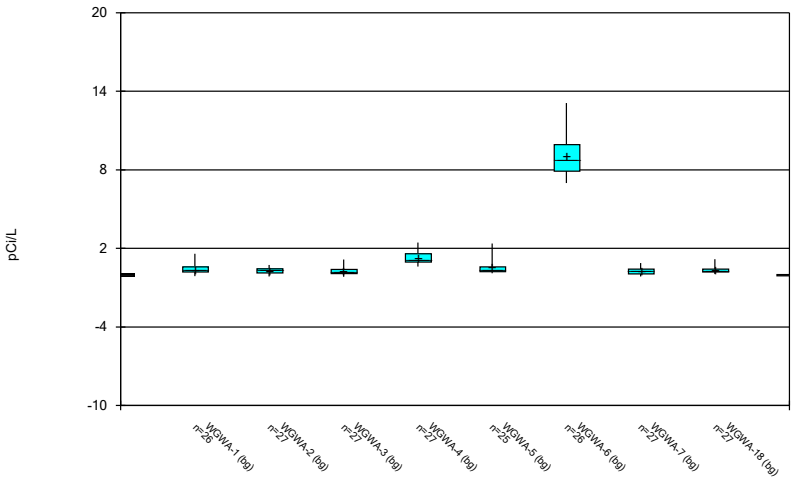


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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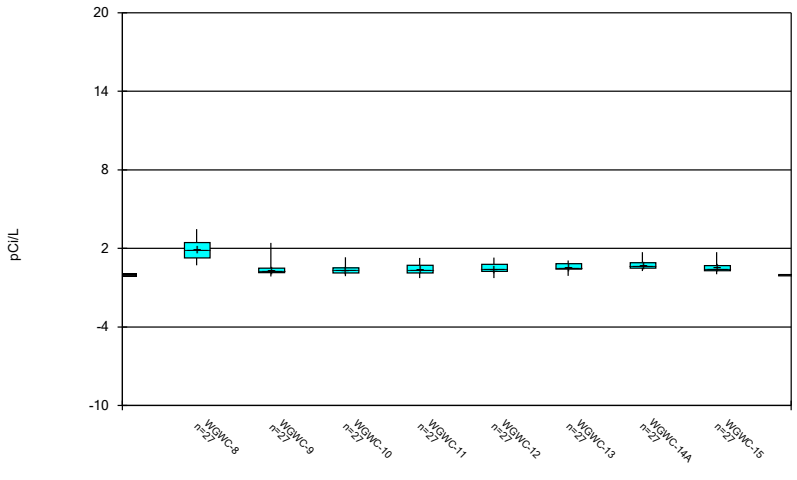
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:45 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

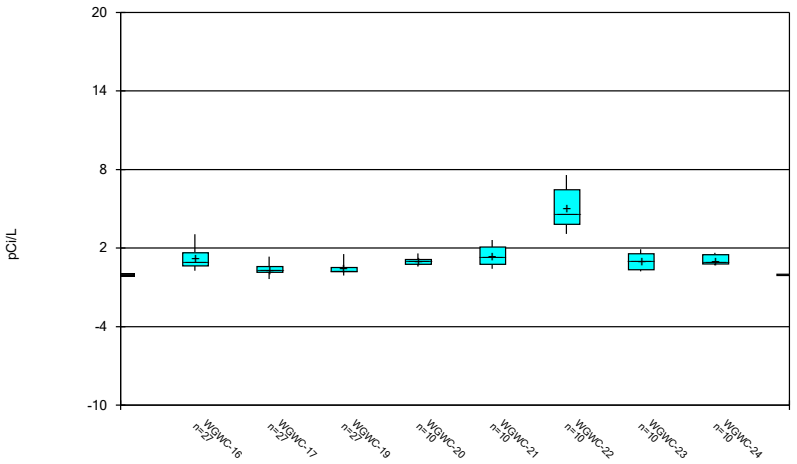
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:45 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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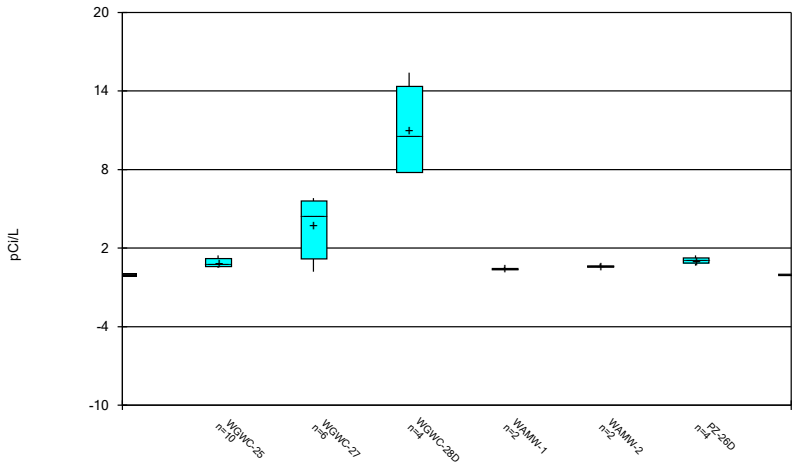
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:45 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

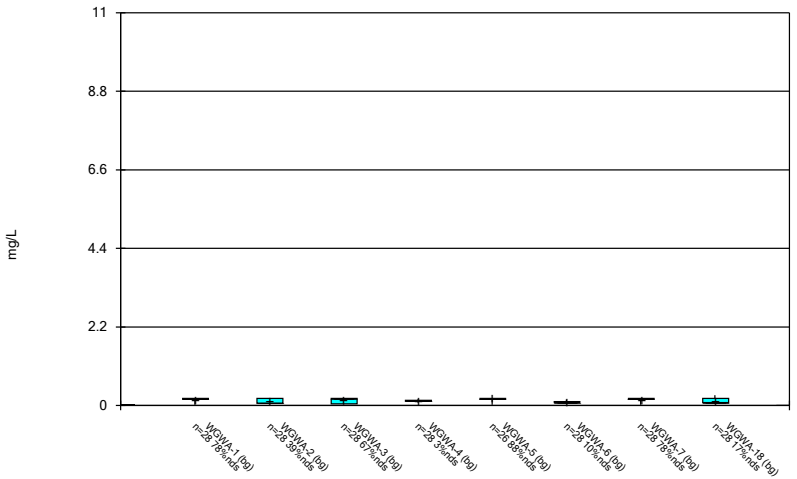
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 1:45 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

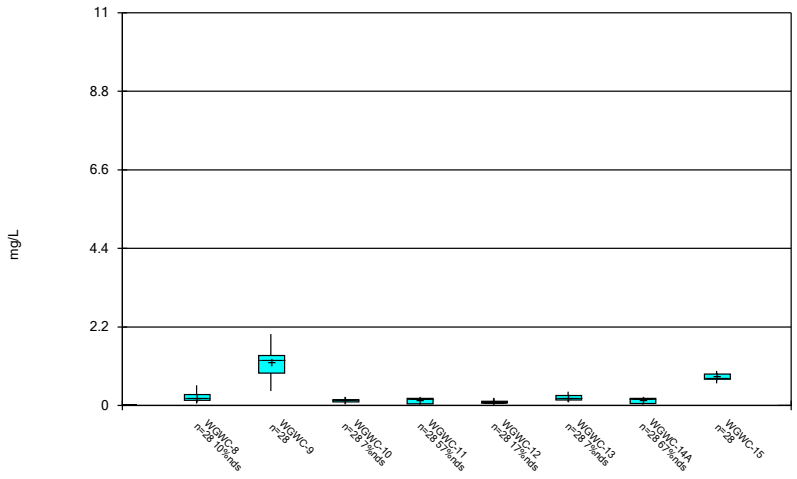


Constituent: Fluoride Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

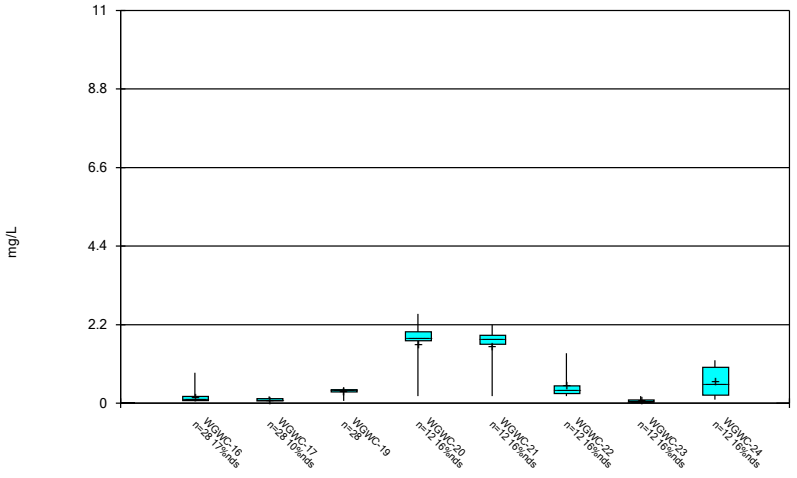


Constituent: Fluoride Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

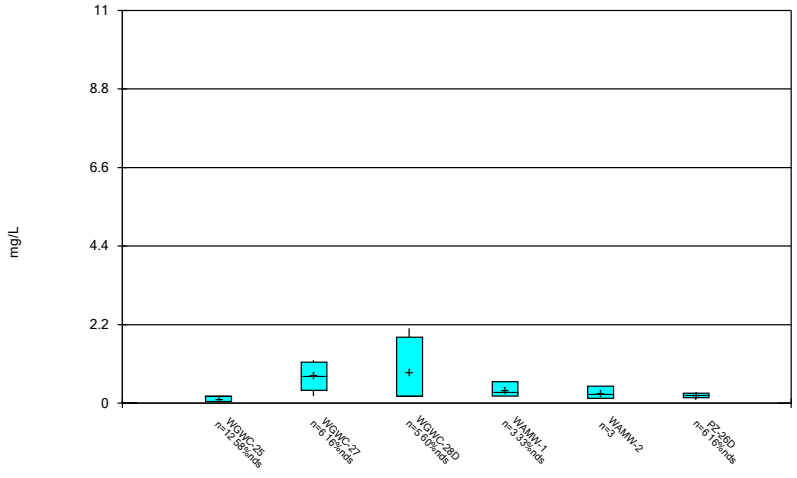


Constituent: Fluoride Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

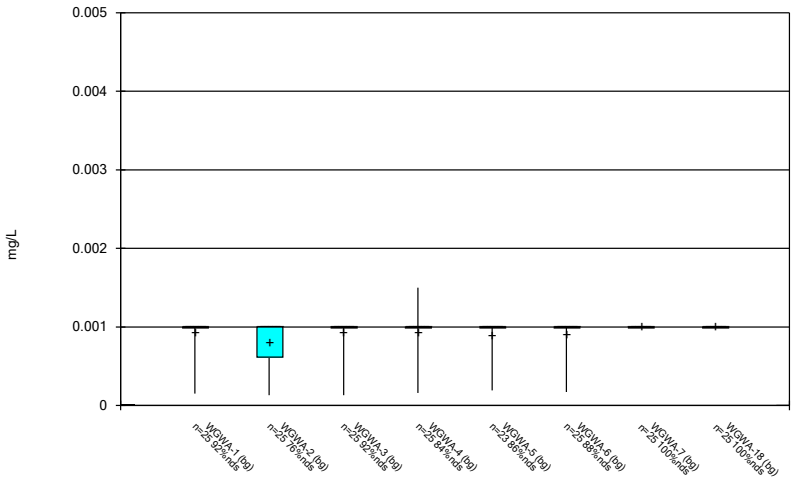


Constituent: Fluoride Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

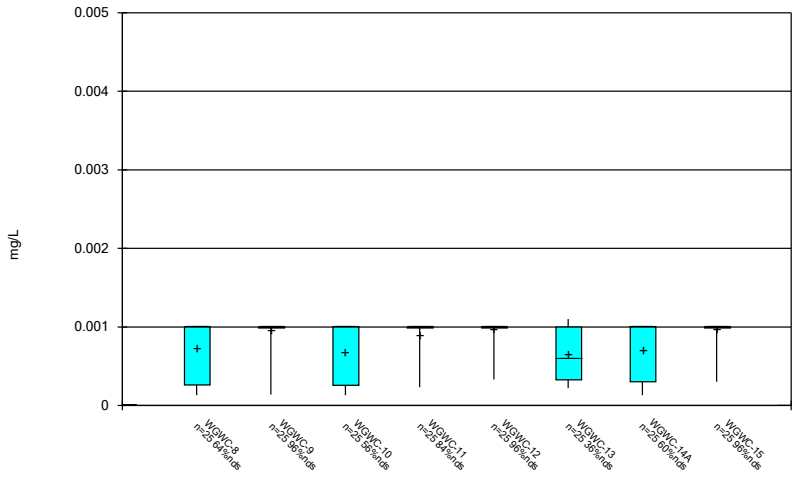


Constituent: Lead Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

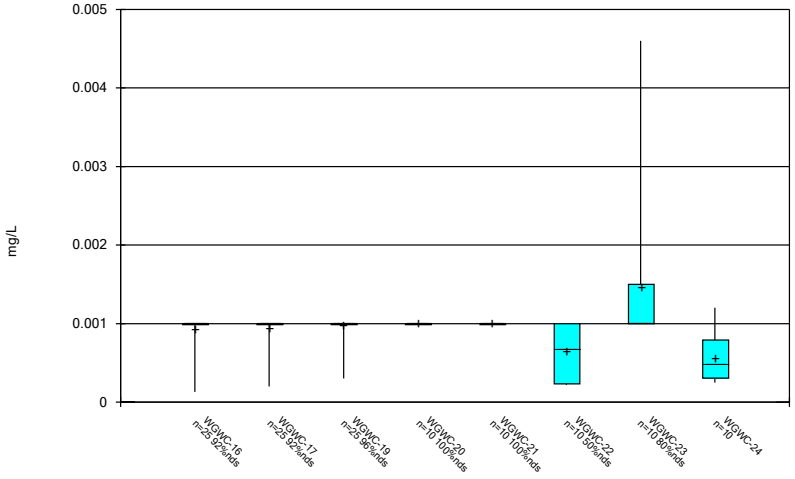


Constituent: Lead Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

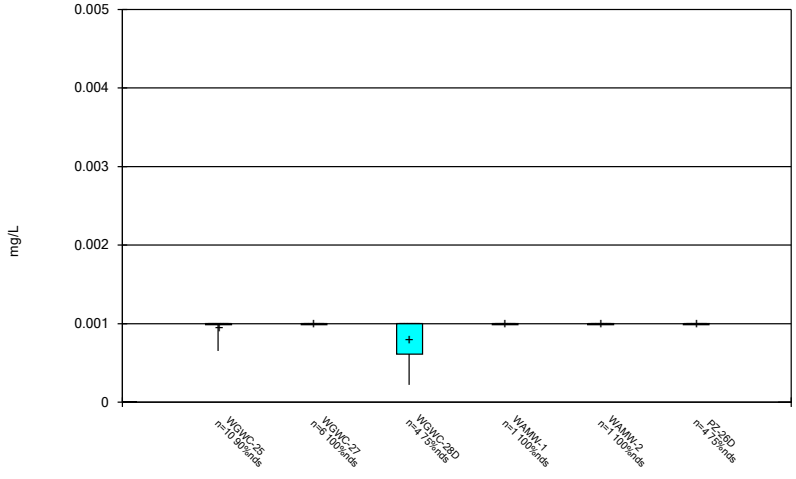


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

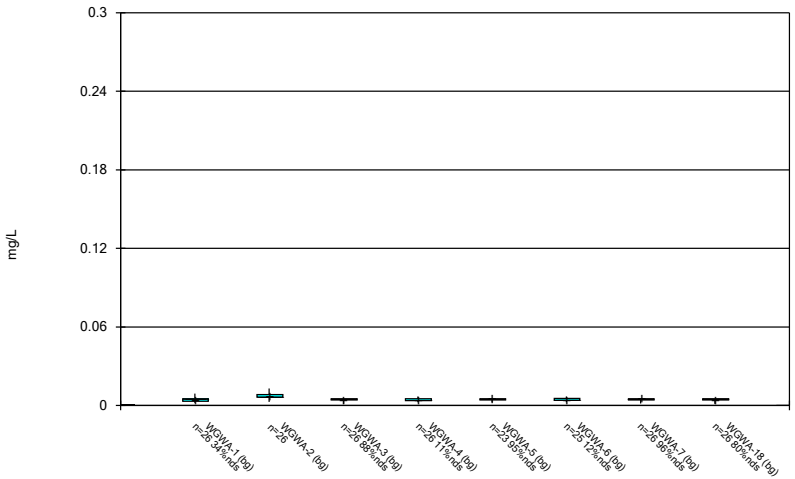


Constituent: Lead Analysis Run 4/11/2025 1:45 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

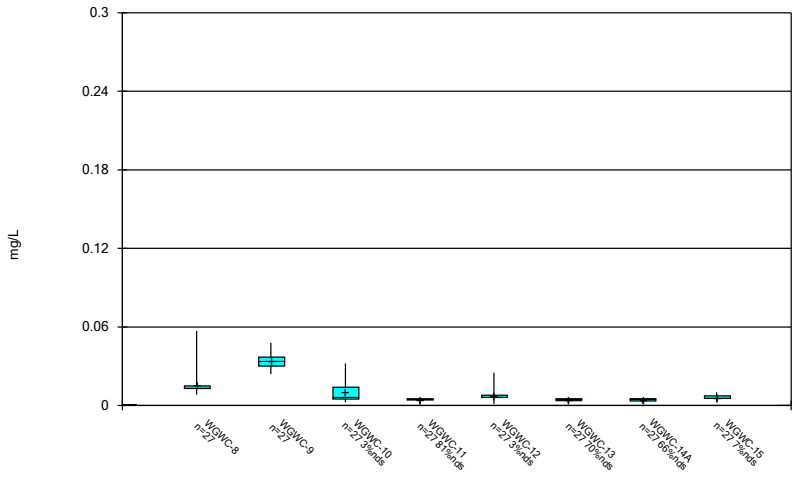


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

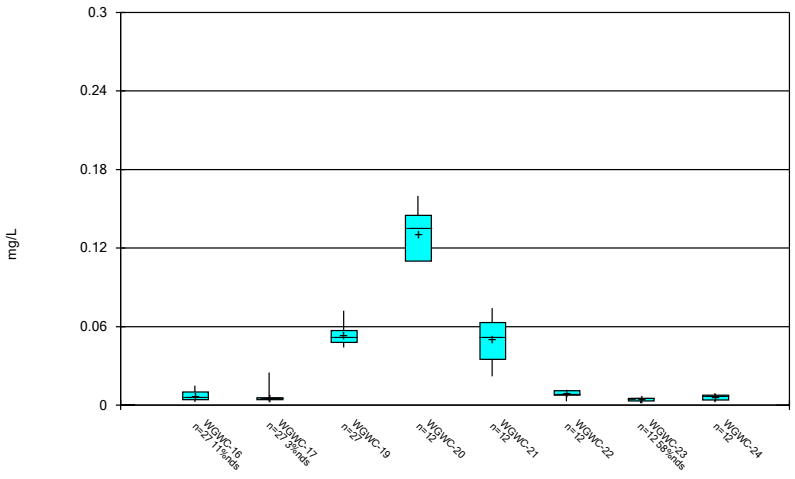


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

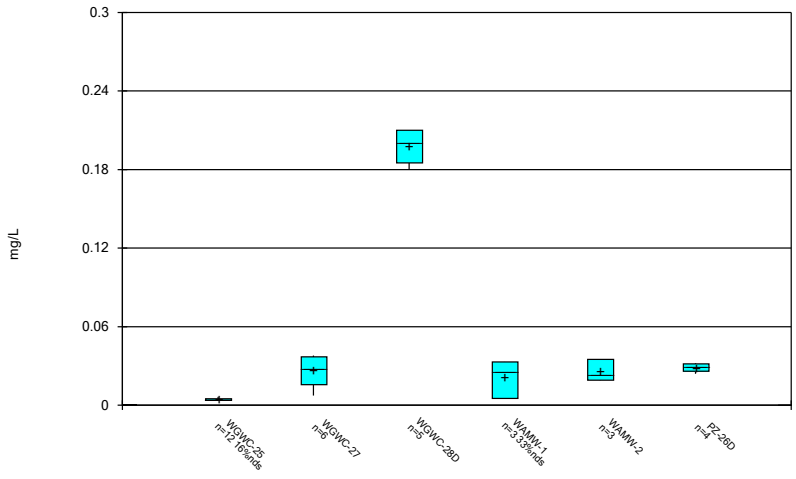


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

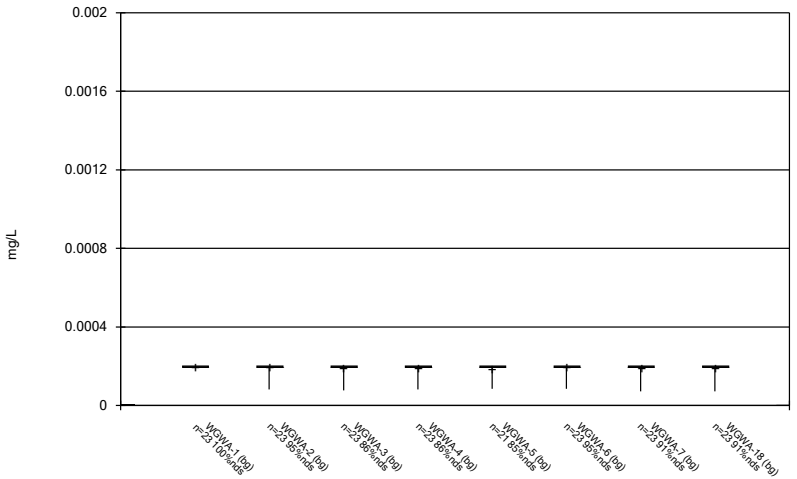


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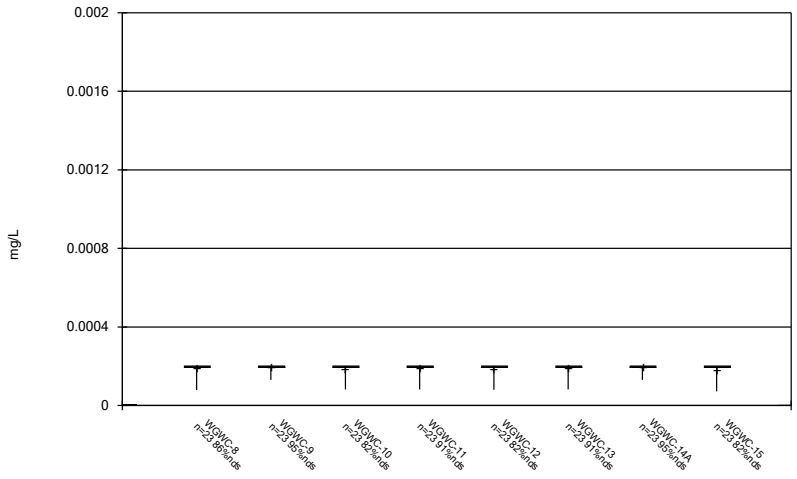
Box & Whiskers Plot



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Plant Wansley Client: Southern Company Data: Wansley AP 1

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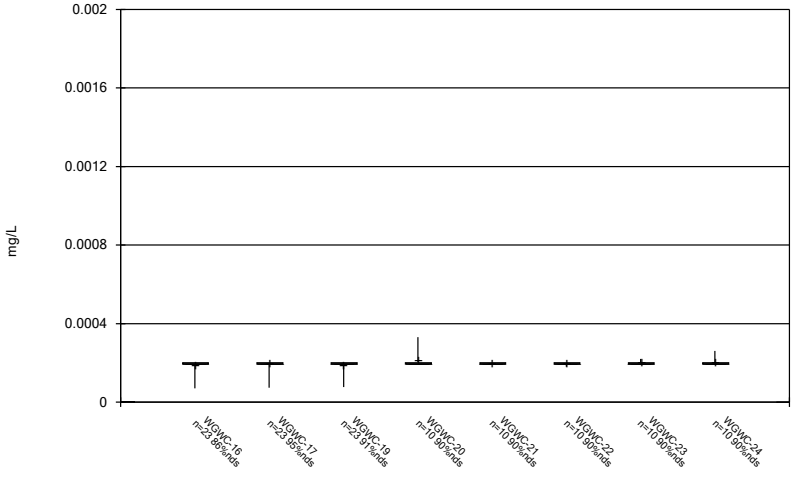
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Plant Wansley Client: Southern Company Data: Wansley AP 1

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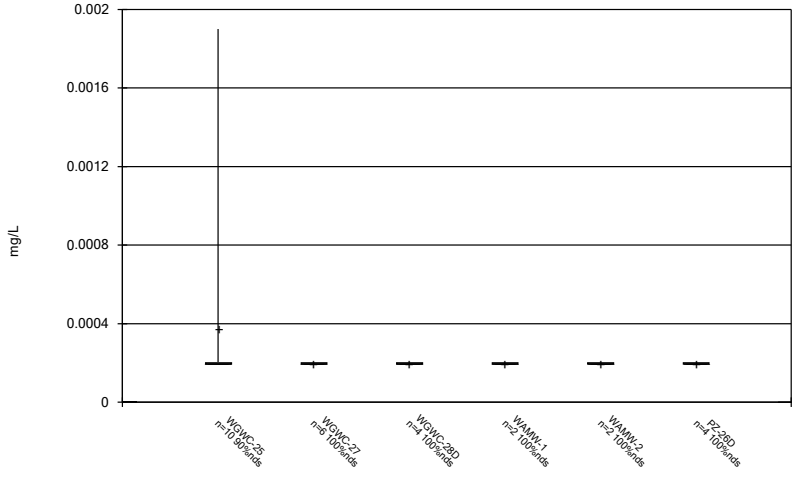
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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

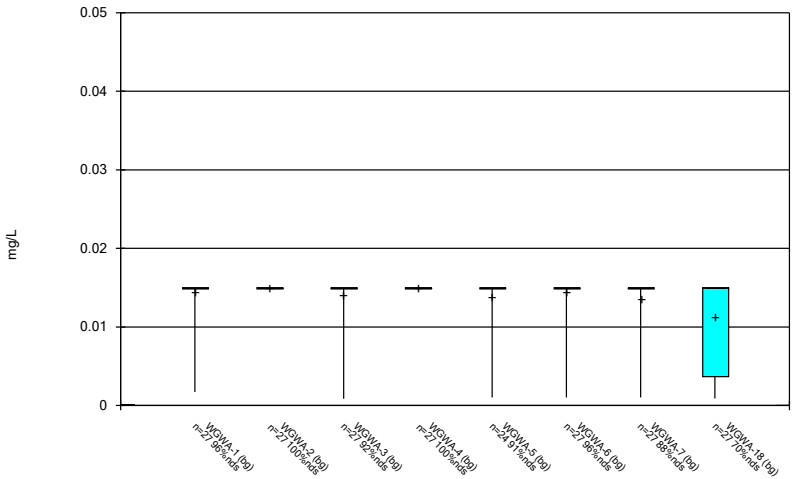
Box & Whiskers Plot



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Plant Wansley Client: Southern Company Data: Wansley AP 1

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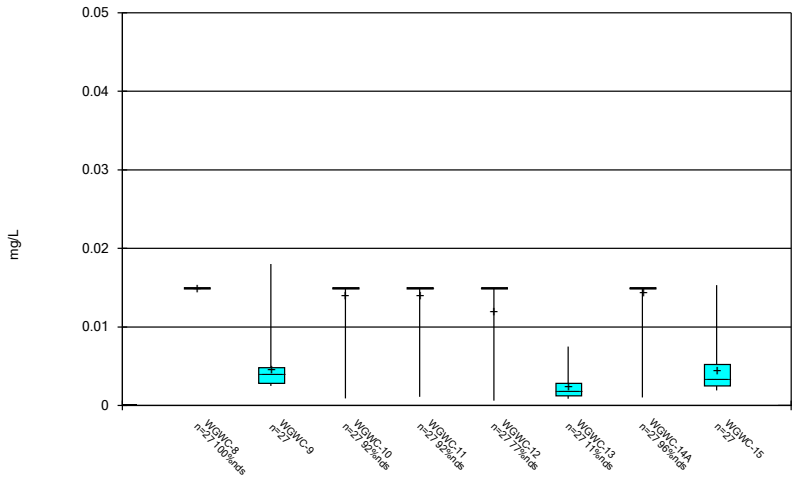
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 4/11/2025 1:45 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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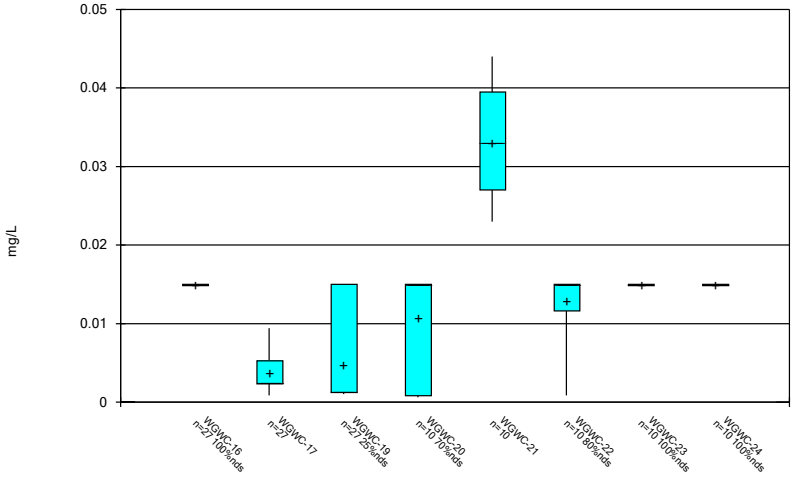
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 4/11/2025 1:45 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

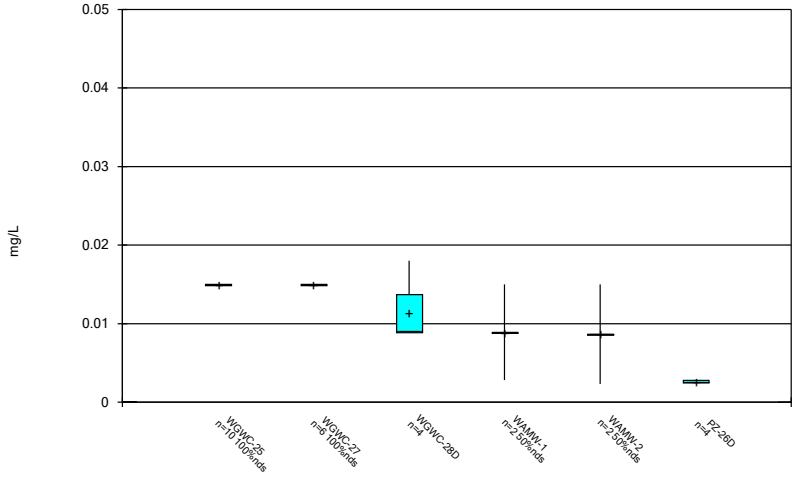
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 4/11/2025 1:46 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

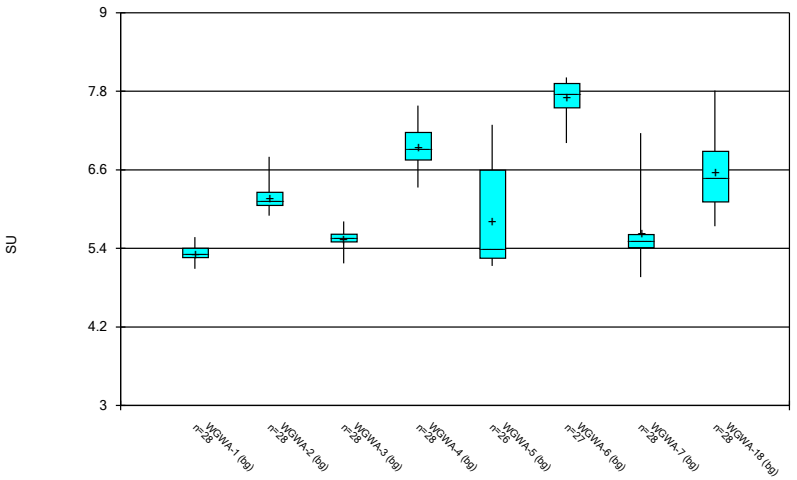
Box & Whiskers Plot



Constituent: Molybdenum Analysis Run 4/11/2025 1:46 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

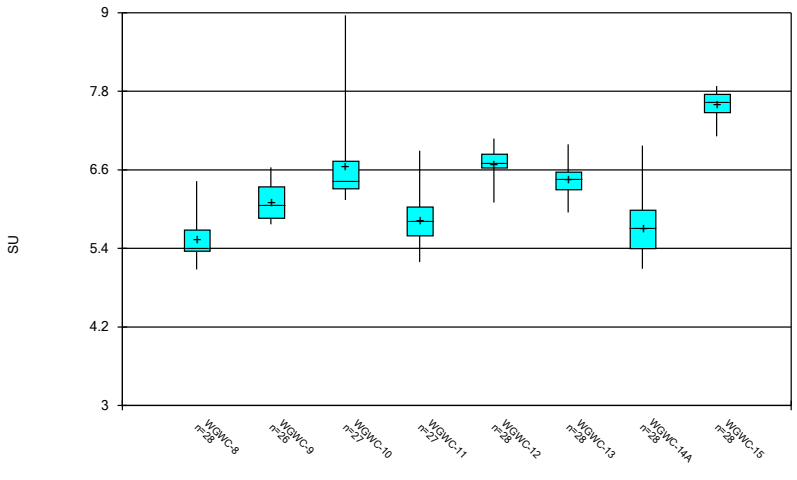


Constituent: pH, Field Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

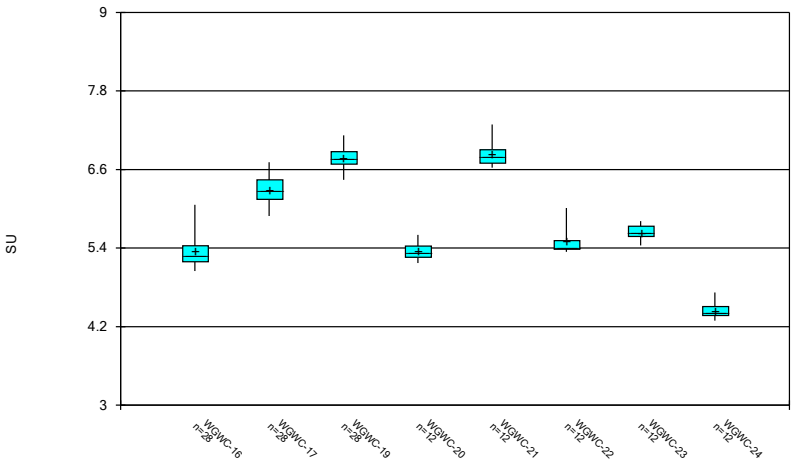


Constituent: pH, Field Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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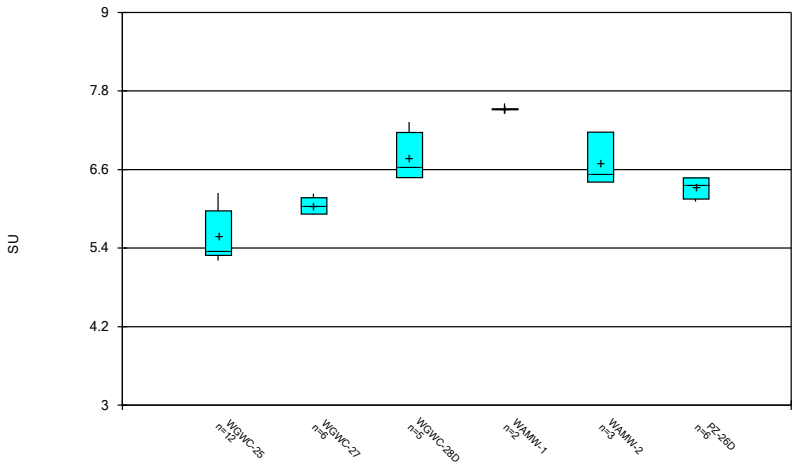


Constituent: pH, Field Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

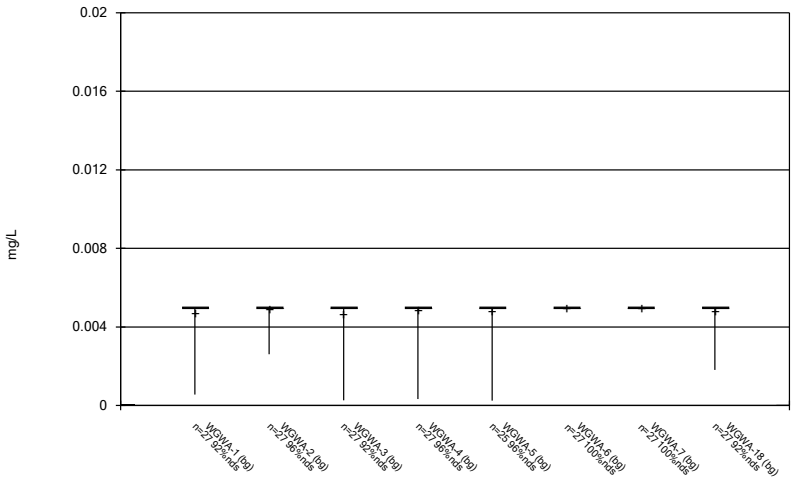


Constituent: pH, Field Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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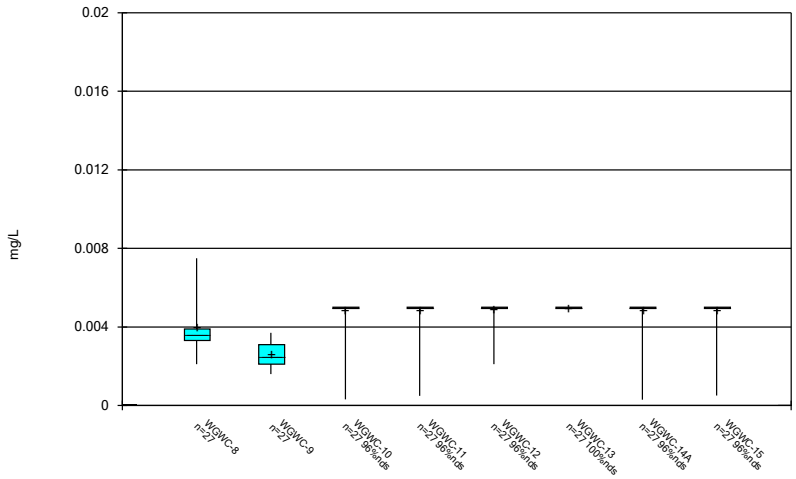
Box & Whiskers Plot



Constituent: Selenium Analysis Run 4/11/2025 1:46 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

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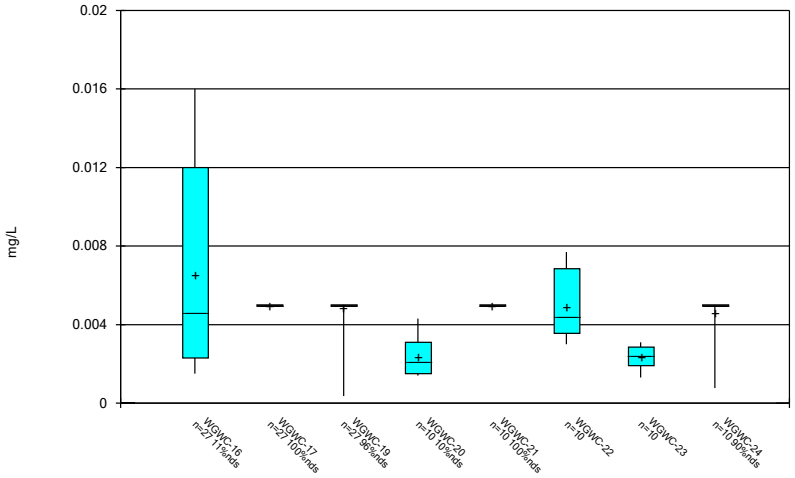
Box & Whiskers Plot



Constituent: Selenium Analysis Run 4/11/2025 1:46 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

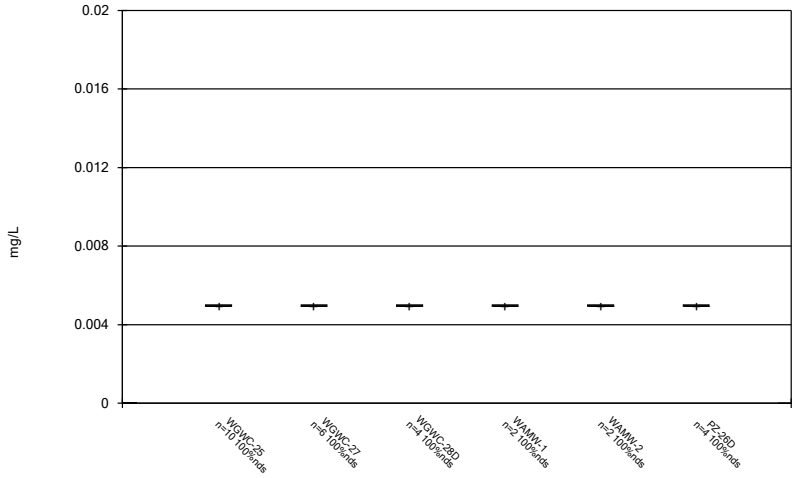
Box & Whiskers Plot



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Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

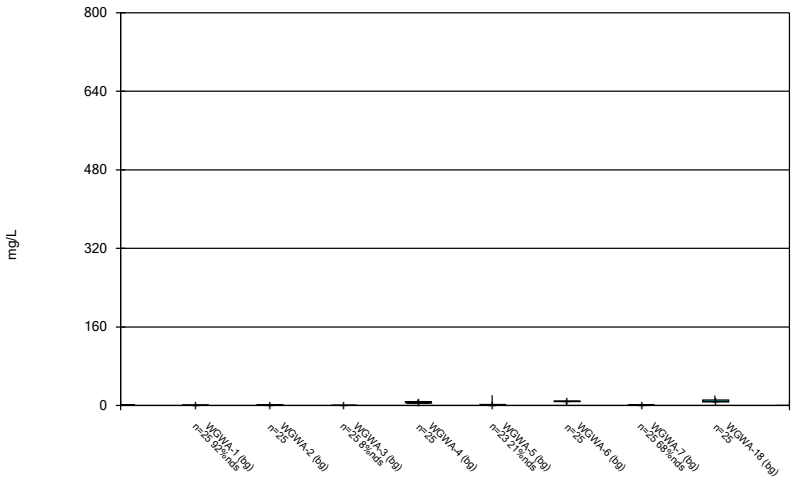
Box & Whiskers Plot



Constituent: Selenium Analysis Run 4/11/2025 1:46 PM
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

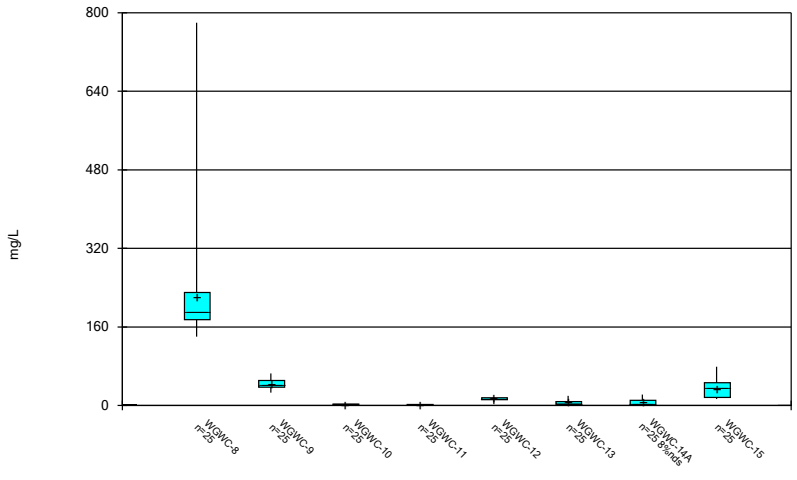


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

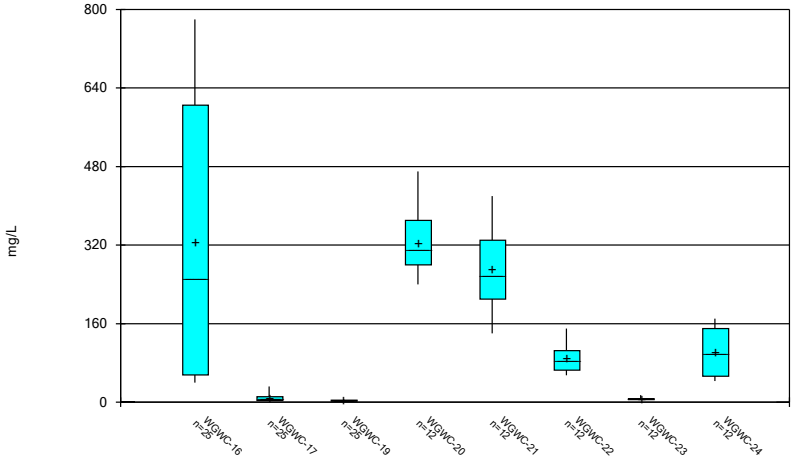


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

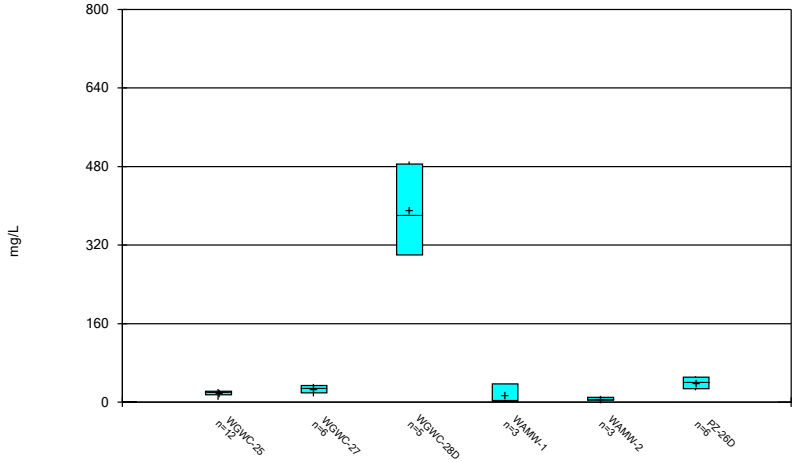


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Box & Whiskers Plot

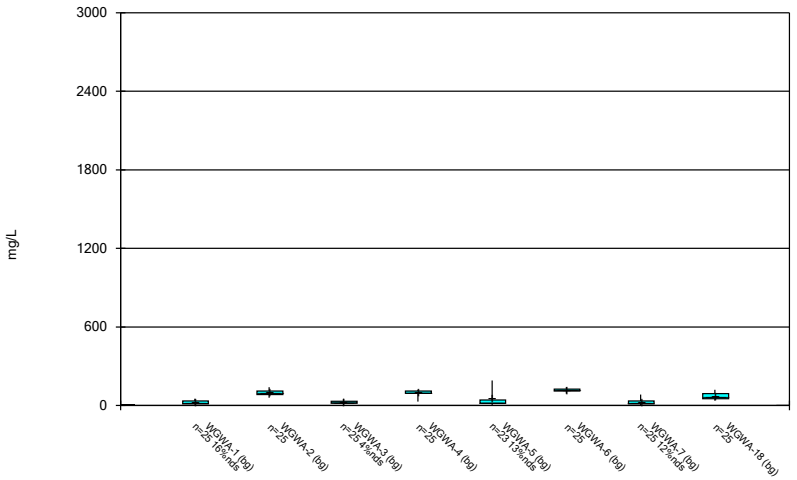


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

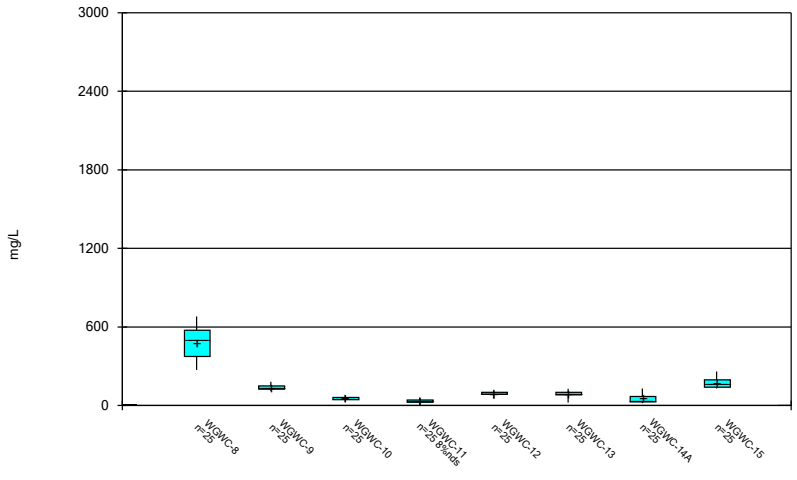


Constituent: TDS Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

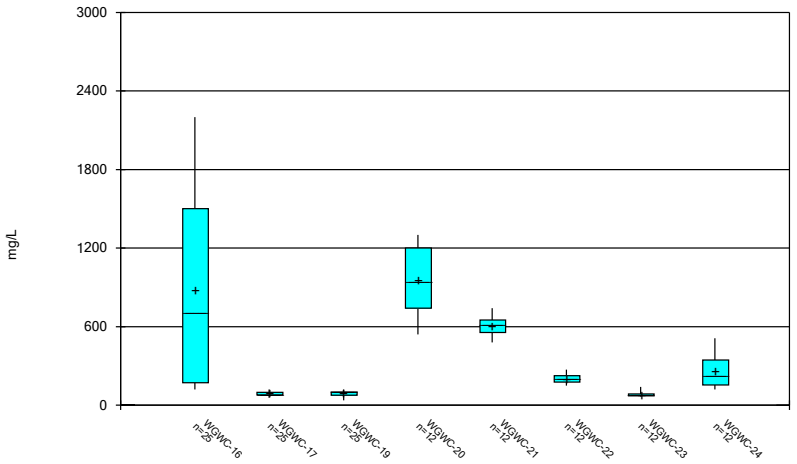


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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Box & Whiskers Plot

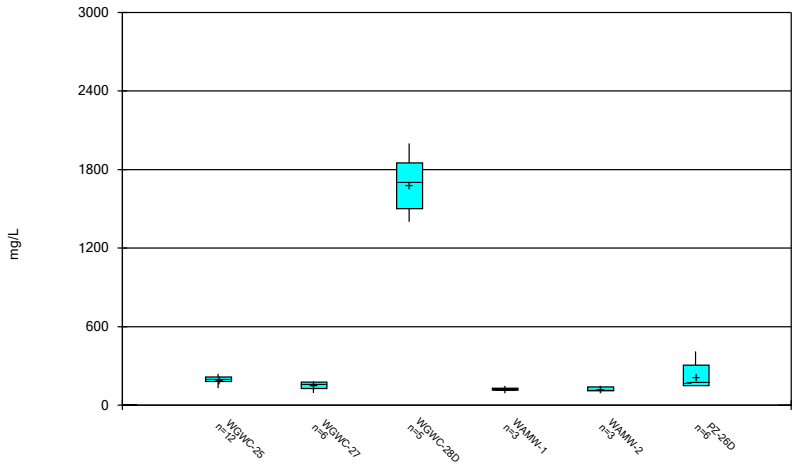


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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

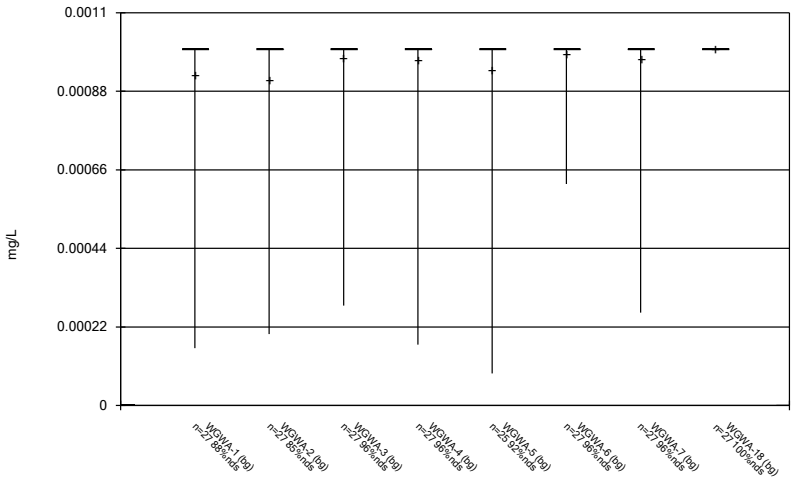


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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

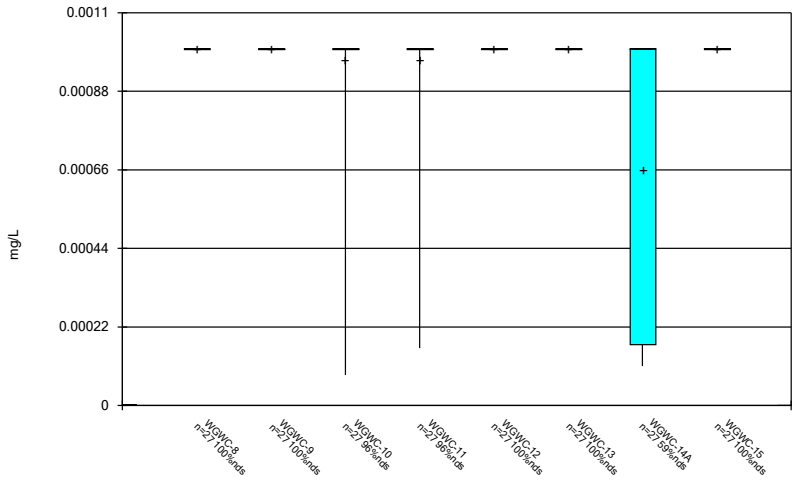


Constituent: Thallium Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

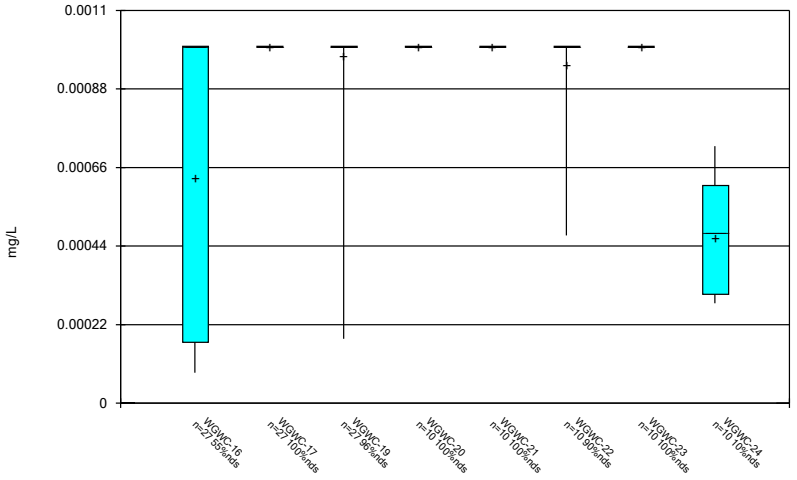


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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

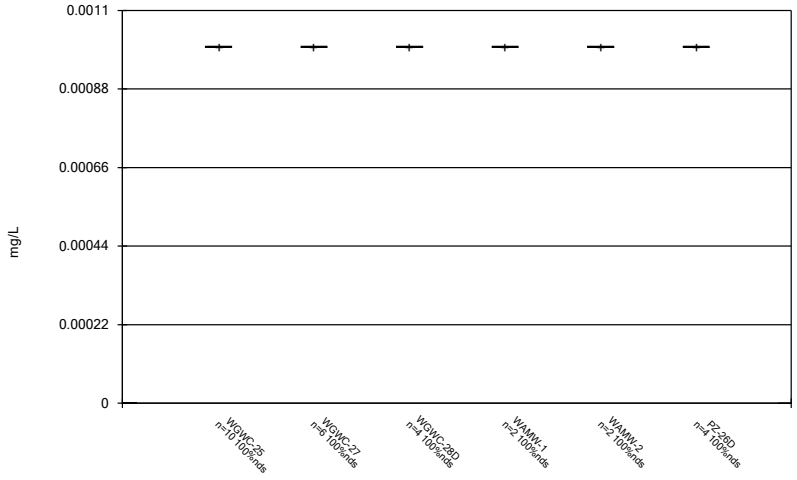


Constituent: Thallium Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 4/11/2025 1:46 PM

Plant Wansley Client: Southern Company Data: Wansley AP 1

FIGURE C.

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 1:39 PM

	WGWA-7 Chromium (mg/L)	WGWA-5 Cobalt (mg/L)	WGWA-1 Combined Radium 226 + 228 (pCi/L)	WGWA-6 Combined Radium 226 + 228 (pCi/L)	WGWA-1 Lithium (mg/L)	WGWA-2 Lithium (mg/L)	WGWA-3 Lithium (mg/L)	WGWA-4 Lithium (mg/L)	WGWA-5 Lithium (mg/L)	WGWA-6 Lithium (mg/L)
5/17/2016					<0.05 (O)	<0.05 (O)				
5/18/2016							<0.05 (O)	<0.05 (O)	<0.05 (O)	<0.05 (O)
7/19/2016			7.25 (O)							
9/14/2016		0.013 (o)								
1/19/2017		0.064 (O)								
3/14/2017				0.589 (O)						
9/16/2019									0.028 (O)	0.032 (O)
2/13/2024	0.049 (O)									

	WGWA-7 Lithium (mg/L)	WGWA-18 Lithium (mg/L)	WGWA-5 Molybdenum (mg/L)
5/17/2016		<0.05 (O)	
5/18/2016	<0.05 (O)		
7/19/2016			
9/14/2016			0.016 (O)
1/19/2017			
3/14/2017			
9/16/2019			
2/13/2024			

FIGURE D.

Appendix III - Interwell Prediction Limits - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:05 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)	WGWC-8	0.1	n/a	2/11/2025	3.6	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-9	0.1	n/a	2/11/2025	0.58	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-16	0.1	n/a	2/12/2025	0.56	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-20	0.1	n/a	2/12/2025	7.4	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-21	0.1	n/a	2/13/2025	0.12	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-22	0.1	n/a	2/12/2025	0.32	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-24	0.1	n/a	2/13/2025	0.94	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-25	0.1	n/a	2/12/2025	0.36	Yes	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Calcium (mg/L)	WGWC-8	58	n/a	2/11/2025	99	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-20	58	n/a	2/12/2025	230	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-21	58	n/a	2/13/2025	64	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-8	6.05	n/a	2/11/2025	120	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-16	6.05	n/a	2/12/2025	28	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-20	6.05	n/a	2/12/2025	380	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-21	6.05	n/a	2/13/2025	48	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-24	6.05	n/a	2/13/2025	19	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-25	6.05	n/a	2/12/2025	24	Yes	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-9	0.284	n/a	2/11/2025	0.4	Yes	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-15	0.284	n/a	2/13/2025	0.72	Yes	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-24	8.01	4.96	2/13/2025	4.49	Yes	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-8	21	n/a	2/11/2025	280	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-9	21	n/a	2/11/2025	26	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-16	21	n/a	2/12/2025	40	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-20	21	n/a	2/12/2025	470	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-21	21	n/a	2/13/2025	350	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-22	21	n/a	2/12/2025	66	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-24	21	n/a	2/13/2025	79	Yes	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-8	190	n/a	2/11/2025	630	Yes	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-20	190	n/a	2/12/2025	1300	Yes	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-21	190	n/a	2/13/2025	610	Yes	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:05 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)	**WGWC-8**	**0.1**	**n/a**	**2/11/2025**	**3.6**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-9**	**0.1**	**n/a**	**2/11/2025**	**0.58**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	WGWC-10	0.1	n/a	2/13/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-11	0.1	n/a	2/11/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-12	0.1	n/a	2/11/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-13	0.1	n/a	2/12/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-14A	0.1	n/a	2/12/2025	0.027J	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-15	0.1	n/a	2/13/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	**WGWC-16**	**0.1**	**n/a**	**2/12/2025**	**0.56**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	WGWC-17	0.1	n/a	2/11/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	WGWC-19	0.1	n/a	2/13/2025	0.08ND	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	**WGWC-20**	**0.1**	**n/a**	**2/12/2025**	**7.4**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-21**	**0.1**	**n/a**	**2/13/2025**	**0.12**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-22**	**0.1**	**n/a**	**2/12/2025**	**0.32**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	WGWC-23	0.1	n/a	2/13/2025	0.024J	No	190	n/a	n/a	95.26	n/a	n/a	0.00005474	NP Inter (NDs) 1 of 2
Boron (mg/L)	**WGWC-24**	**0.1**	**n/a**	**2/13/2025**	**0.94**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**WGWC-25**	**0.1**	**n/a**	**2/12/2025**	**0.36**	**Yes**	**190**	**n/a**	**n/a**	**95.26**	**n/a**	**n/a**	**0.00005474**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	**WGWC-8**	**58**	**n/a**	**2/11/2025**	**99**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	WGWC-9	58	n/a	2/11/2025	9.6	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-10	58	n/a	2/13/2025	8	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-11	58	n/a	2/11/2025	1.7	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-12	58	n/a	2/11/2025	14	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-13	58	n/a	2/12/2025	3.8	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-14A	58	n/a	2/12/2025	0.77	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-15	58	n/a	2/13/2025	30	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-16	58	n/a	2/12/2025	15	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-17	58	n/a	2/11/2025	5.8	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-19	58	n/a	2/13/2025	13	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	**WGWC-20**	**58**	**n/a**	**2/12/2025**	**230**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**WGWC-21**	**58**	**n/a**	**2/13/2025**	**64**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	WGWC-22	58	n/a	2/12/2025	13	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-23	58	n/a	2/13/2025	4.4	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-24	58	n/a	2/13/2025	20	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Calcium (mg/L)	WGWC-25	58	n/a	2/12/2025	31	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-8**	**6.05**	**n/a**	**2/11/2025**	**120**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	WGWC-9	6.05	n/a	2/11/2025	2	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-10	6.05	n/a	2/13/2025	1.5	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-11	6.05	n/a	2/11/2025	0.45J	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-12	6.05	n/a	2/11/2025	3.7	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-13	6.05	n/a	2/12/2025	1.3	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-14A	6.05	n/a	2/12/2025	2.4	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-15	6.05	n/a	2/13/2025	1.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-16**	**6.05**	**n/a**	**2/12/2025**	**28**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	WGWC-17	6.05	n/a	2/11/2025	1.9	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-19	6.05	n/a	2/13/2025	3.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-20**	**6.05**	**n/a**	**2/12/2025**	**380**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**WGWC-21**	**6.05**	**n/a**	**2/13/2025**	**48**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	WGWC-22	6.05	n/a	2/12/2025	4.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	WGWC-23	6.05	n/a	2/13/2025	3.1	No	198	n/a	n/a	0	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Chloride (mg/L)	**WGWC-24**	**6.05**	**n/a**	**2/13/2025**	**19**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	**WGWC-25**	**6.05**	**n/a**	**2/12/2025**	**24**	**Yes**	**198**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	WGWC-8	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**WGWC-9**	**0.284**	**n/a**	**2/11/2025**	**0.4**	**Yes**	**222**	**n/a**	**n/a**	**47.75**	**n/a**	**n/a**	**0.00004908**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	WGWC-10	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-11	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-12	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-13	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-14A	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**WGWC-15**	**0.284**	**n/a**	**2/13/2025**	**0.72**	**Yes**	**222**	**n/a**	**n/a**	**47.75**	**n/a**	**n/a**	**0.00004908**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	WGWC-16	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:05 PM

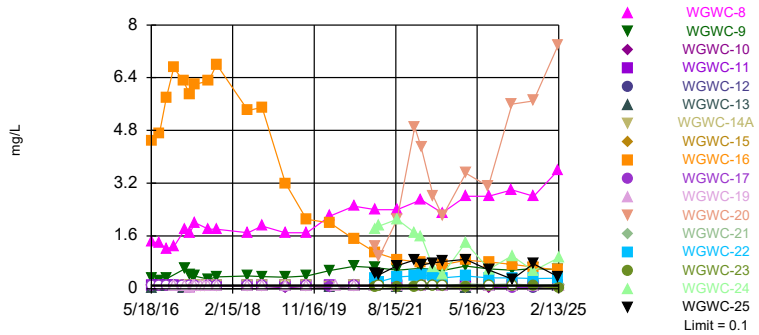
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	WGWC-17	0.284	n/a	2/11/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-19	0.284	n/a	2/13/2025	0.058J	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-20	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-21	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-22	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-23	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-24	0.284	n/a	2/13/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
Fluoride (mg/L)	WGWC-25	0.284	n/a	2/12/2025	0.2ND	No	222	n/a	n/a	47.75	n/a	n/a	0.00004908	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-8	8.01	4.96	2/11/2025	5.23	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-9	8.01	4.96	2/11/2025	5.86	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-10	8.01	4.96	2/13/2025	6.27	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-11	8.01	4.96	2/11/2025	5.54	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-12	8.01	4.96	2/11/2025	6.63	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-13	8.01	4.96	2/12/2025	6.32	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-14A	8.01	4.96	2/12/2025	5.44	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-15	8.01	4.96	2/13/2025	7.87	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-16	8.01	4.96	2/12/2025	5.42	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-17	8.01	4.96	2/11/2025	6.26	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-19	8.01	4.96	2/13/2025	6.7	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-20	8.01	4.96	2/12/2025	5.33	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-21	8.01	4.96	2/13/2025	6.63	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-22	8.01	4.96	2/12/2025	5.47	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	WGWC-23	8.01	4.96	2/13/2025	5.58	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**WGWC-24**	**8.01**	**4.96**	**2/13/2025**	**4.49**	**Yes**	**221**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	WGWC-25	8.01	4.96	2/12/2025	6.19	No	221	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-8**	**21**	**n/a**	**2/11/2025**	**280**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**WGWC-9**	**21**	**n/a**	**2/11/2025**	**26**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-10	21	n/a	2/13/2025	1.9	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-11	21	n/a	2/11/2025	0.41J	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-12	21	n/a	2/11/2025	13	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-13	21	n/a	2/12/2025	2.6	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-14A	21	n/a	2/12/2025	0.45J	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-15	21	n/a	2/13/2025	13	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-16**	**21**	**n/a**	**2/12/2025**	**40**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-17	21	n/a	2/11/2025	3.4	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	WGWC-19	21	n/a	2/13/2025	3.3	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-20**	**21**	**n/a**	**2/12/2025**	**470**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**WGWC-21**	**21**	**n/a**	**2/13/2025**	**350**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**WGWC-22**	**21**	**n/a**	**2/12/2025**	**66**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-23	21	n/a	2/13/2025	7.3	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**WGWC-24**	**21**	**n/a**	**2/13/2025**	**79**	**Yes**	**198**	**n/a**	**n/a**	**23.74**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	WGWC-25	21	n/a	2/12/2025	17	No	198	n/a	n/a	23.74	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	**WGWC-8**	**190**	**n/a**	**2/11/2025**	**630**	**Yes**	**198**	**n/a**	**n/a**	**5.556**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	WGWC-9	190	n/a	2/11/2025	140	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-10	190	n/a	2/13/2025	58	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-11	190	n/a	2/11/2025	35	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-12	190	n/a	2/11/2025	96	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-13	190	n/a	2/12/2025	84	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-14A	190	n/a	2/12/2025	28	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-15	190	n/a	2/13/2025	140	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-16	190	n/a	2/12/2025	120	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-17	190	n/a	2/11/2025	81	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-19	190	n/a	2/13/2025	100	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	**WGWC-20**	**190**	**n/a**	**2/12/2025**	**1300**	**Yes**	**198**	**n/a**	**n/a**	**5.556**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**WGWC-21**	**190**	**n/a**	**2/13/2025**	**610**	**Yes**	**198**	**n/a**	**n/a**	**5.556**	**n/a**	**n/a**	**0.00005021**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	WGWC-22	190	n/a	2/12/2025	150	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-23	190	n/a	2/13/2025	140	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-24	190	n/a	2/13/2025	160	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2
TDS (mg/L)	WGWC-25	190	n/a	2/12/2025	170	No	198	n/a	n/a	5.556	n/a	n/a	0.00005021	NP Inter (normality) 1 of 2

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Hollow symbols indicate censored values.

Exceeds Limit: WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24, WGWC-25

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 190 background values. 95.26% NDs. Annual per-constituent alpha = 0.00186. Individual comparison alpha = 0.00005474 (1 of 2). Comparing 17 points to limit.

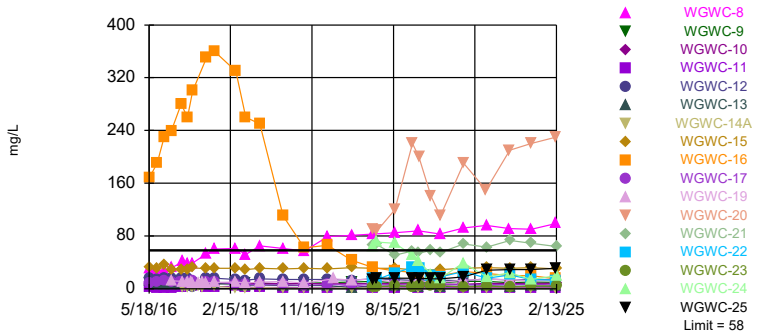
Constituent: Boron Analysis Run 4/11/2025 2:02 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Exceeds Limit: WGWC-8, WGWC-20, WGWC-21

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 198 background values. Annual per-constituent alpha = 0.001706. Individual comparison alpha = 0.00005021 (1 of 2). Comparing 17 points to limit.

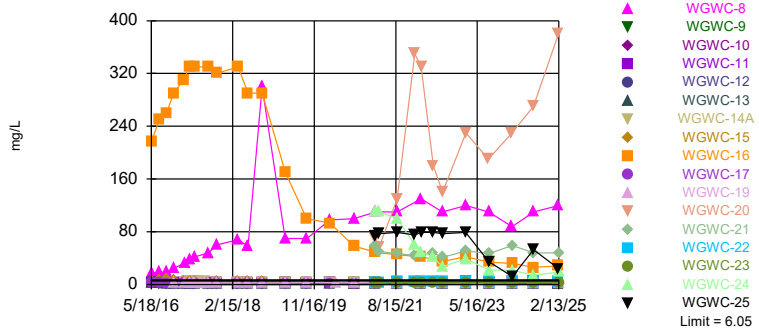
Constituent: Calcium Analysis Run 4/11/2025 2:02 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Exceeds Limit: WGWC-8, WGWC-16, WGWC-20, WGWC-21, WGWC-24, WGWC-25

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 198 background values. Annual per-constituent alpha = 0.001706. Individual comparison alpha = 0.00005021 (1 of 2). Comparing 17 points to limit.

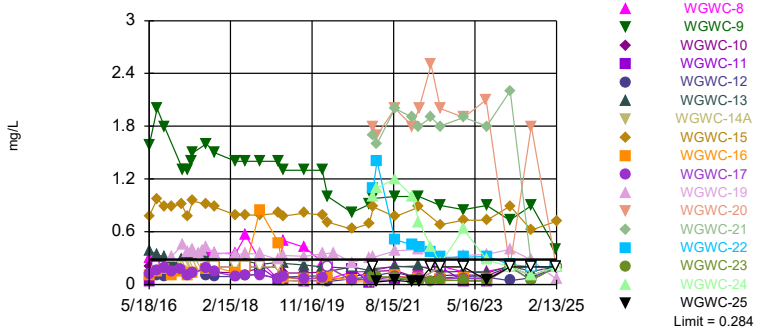
Constituent: Chloride Analysis Run 4/11/2025 2:02 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Exceeds Limit: WGWC-9, WGWC-15

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 222 background values. 47.75% NDs. Annual per-constituent alpha = 0.001667. Individual comparison alpha = 0.00004908 (1 of 2). Comparing 17 points to limit.

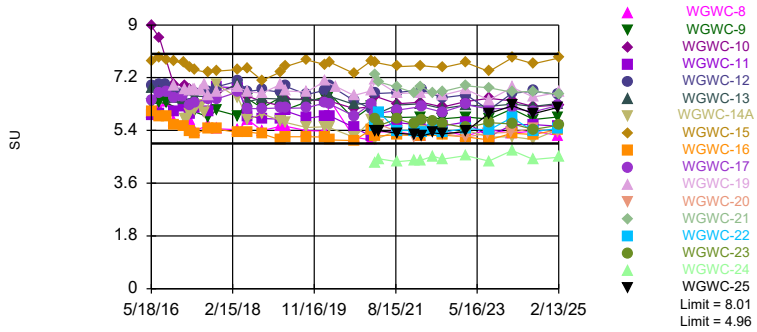
Constituent: Fluoride Analysis Run 4/11/2025 2:02 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Exceeds Limits: WGWC-24

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. Limits are highest and lowest of 221 background values. Annual per-constituent alpha = 0.003334. Individual comparison alpha = 0.00009815 (1 of 2). Comparing 17 points to limit.

Constituent: pH, Field Analysis Run 4/11/2025 2:02 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

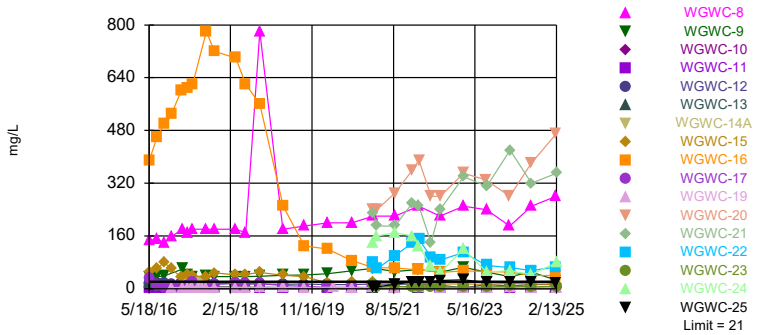
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Hollow symbols indicate censored values.

Exceeds Limit: WGWC-8, WGWC-9, WGWC-16, WGWC-20, WGWC-21, WGWC-22, WGWC-24

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 198 background values. 23.74% NDs. Annual per-constituent alpha = 0.001706. Individual comparison alpha = 0.00005021 (1 of 2). Comparing 17 points to limit.

Constituent: Sulfate Analysis Run 4/11/2025 2:02 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

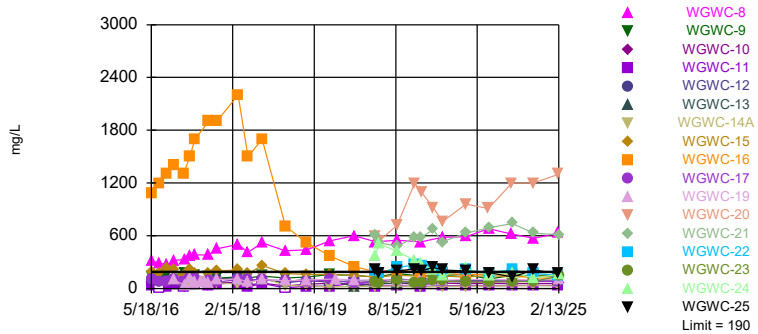
Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: WGWC-8, WGWC-20, WGWC-21

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 198 background values. 5.556% NDs. Annual per-constituent alpha = 0.001706. Individual comparison alpha = 0.00005021 (1 of 2). Comparing 17 points to limit.

Constituent: TDS Analysis Run 4/11/2025 2:02 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWC-16	WGWC-15	WGWC-10	WGWA-7 (bg)	WGWA-6 (bg)
5/17/2016	<0.08	<0.08	<0.08						
5/18/2016				<0.08	4.48	<0.08	<0.08	<0.08	<0.08
5/19/2016									
7/19/2016	<0.08	<0.08	<0.08		4.7	<0.08		<0.08	<0.08
7/20/2016				<0.08			<0.08		
9/13/2016	<0.08	<0.08	<0.08					<0.08	<0.08
9/14/2016				<0.08	5.8	<0.08	<0.08		
9/15/2016									
11/9/2016	<0.08	<0.08	<0.08						<0.08
11/10/2016				<0.08	6.7	<0.08		<0.08	
11/11/2016							<0.08		
11/14/2016									
1/17/2017	<0.08		<0.08						
1/18/2017								<0.08	<0.08
1/19/2017		<0.08							
1/20/2017				<0.08					
1/24/2017					6.3	<0.08			
1/27/2017									
2/6/2017							<0.08		
2/8/2017									
2/9/2017									
2/23/2017									
3/13/2017	<0.08		<0.08						
3/14/2017		<0.08		<0.08		<0.08		<0.08	<0.08
3/15/2017					5.9		0.032 (J)		
3/17/2017									
4/11/2017									
4/24/2017	<0.08		<0.08						
4/25/2017		<0.08		<0.08	6.2	<0.08		<0.08	<0.08
4/26/2017							<0.08		
5/17/2017									
6/7/2017									
7/11/2017									
8/8/2017	<0.08	<0.08	<0.08					<0.08	<0.08
8/9/2017				<0.08	6.3	<0.08			
8/10/2017							<0.08		
8/25/2017									
10/10/2017	<0.08		<0.08						
10/11/2017		<0.08		<0.08	6.8	<0.08		<0.08	<0.08
10/12/2017							<0.08		
6/13/2018	<0.08	<0.08							<0.08
6/14/2018			<0.08	<0.08	5.4	<0.08	<0.08	<0.08	
9/24/2018			<0.08						
9/27/2018	<0.08								
9/28/2018		<0.08							
10/2/2018									<0.08
10/3/2018						<0.08		<0.08	
10/4/2018				<0.08	5.5		<0.08		
4/1/2019	<0.08		<0.08						
4/2/2019		<0.08						<0.08	<0.08
4/3/2019									
4/4/2019				0.049 (J)	3.2	<0.08	0.024 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWC-16	WGWC-15	WGWC-10	WGWA-7 (bg)	WGWA-6 (bg)
9/16/2019	<0.08								<0.08
9/17/2019		<0.08	<0.08						
9/18/2019				<0.08	2.1	<0.08		<0.08	
9/19/2019							<0.08		
3/16/2020	<0.08		0.048 (J)						
3/17/2020		<0.08						<0.08	<0.08
3/18/2020				0.049 (J)	2	0.071 (J)	0.049 (J)		
3/19/2020									
5/4/2020									
9/21/2020			<0.08						
9/22/2020	<0.08	<0.08						<0.08	<0.08
9/23/2020				<0.08	1.5	<0.08	<0.08		
9/24/2020									
3/8/2021									
3/9/2021									
3/10/2021		<0.08	0.039 (J)					<0.08	
3/11/2021	<0.08			<0.08	1.1		<0.08		<0.08
3/12/2021						<0.08			
4/7/2021									
4/8/2021									
8/23/2021			<0.08						
8/24/2021	<0.08							<0.08	<0.08
8/25/2021		0.1		<0.08	0.89				
8/26/2021						<0.08	<0.08		
1/11/2022									
1/12/2022									
2/28/2022									
3/1/2022	<0.08		<0.08						<0.08
3/3/2022		0.1			0.79	<0.08	<0.08	<0.08	
3/4/2022				<0.08					
6/6/2022									
6/7/2022									
8/15/2022	<0.08		0.066 (J)						<0.08
8/16/2022		<0.08		<0.08				<0.08	
8/17/2022					0.73	<0.08			
8/18/2022									
8/19/2022							<0.08		
2/14/2023	0.026 (J)	<0.08	0.023 (J)					0.033 (J)	<0.08
2/15/2023					0.86	<0.08			
2/16/2023				<0.08			0.04 (J)		
8/11/2023									
8/14/2023	<0.08		<0.08						
8/15/2023		<0.08			0.81			<0.08	<0.08
8/16/2023				<0.08		<0.08			
8/17/2023							0.031 (J)		
2/13/2024	<0.08	<0.08	<0.08					<0.08	<0.08
2/14/2024									
2/15/2024				0.027 (J)	0.74	<0.08	<0.08		
2/16/2024									
7/30/2024	<0.08	<0.08	<0.08		0.66			<0.08	<0.08
7/31/2024				0.055 (J)		<0.08	<0.08		
8/1/2024									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWC-16	WGWC-15	WGWC-10	WGWA-7 (bg)	WGWA-6 (bg)
8/2/2024									
2/10/2025	<0.08		<0.08						
2/11/2025		<0.08		<0.08				<0.08	<0.08
2/12/2025					0.56				
2/13/2025						<0.08	<0.08		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-5 (bg)	WGWA-4 (bg)	WGWA-3 (bg)	WGWC-13	WGWC-12	WGWC-9	WGWC-8	WGWC-11	WGWC-19
5/17/2016									
5/18/2016	<0.08	<0.08	<0.08						
5/19/2016				0.0252 (J)	<0.08	0.314	1.42	<0.08	
7/19/2016	<0.08								
7/20/2016		<0.08	<0.08	<0.08	<0.08	0.25	1.4	<0.08	
9/13/2016		<0.08	<0.08						
9/14/2016	<0.08			<0.08	<0.08	0.3		<0.08	
9/15/2016							1.2		
11/9/2016									
11/10/2016		<0.08	<0.08	<0.08					
11/11/2016					<0.08			<0.08	<0.08
11/14/2016							1.3		
1/17/2017									
1/18/2017		<0.08	<0.08						
1/19/2017	<0.08								
1/20/2017									
1/24/2017									
1/27/2017				0.033 (J)	0.047 (J)			0.021 (J)	
2/6/2017							1.8		<0.08
2/8/2017									
2/9/2017						0.61			
2/23/2017									
3/13/2017									
3/14/2017	<0.08	<0.08	<0.08						
3/15/2017				<0.08	0.024 (J)	0.42	1.7	0.058	0.034 (J)
3/17/2017									
4/11/2017						0.37			<0.08
4/24/2017									
4/25/2017	<0.08	<0.08	<0.08						
4/26/2017				<0.08	<0.08	0.38	2	<0.08	<0.08
5/17/2017									
6/7/2017									<0.08
7/11/2017									<0.08
8/8/2017			<0.08						
8/9/2017	<0.08	<0.08		<0.08					
8/10/2017					<0.08	0.29	1.8	<0.08	<0.08
8/25/2017	<0.08								
10/10/2017									
10/11/2017	<0.08	<0.08	<0.08						
10/12/2017				<0.08	<0.08	0.36	1.8	<0.08	<0.08
6/13/2018	<0.08								
6/14/2018		<0.08	<0.08	<0.08	<0.08	0.39	1.7	<0.08	<0.08
9/24/2018									
9/27/2018									
9/28/2018									
10/2/2018									
10/3/2018	<0.08	<0.08	<0.08						
10/4/2018				<0.08	<0.08	0.37	1.9	<0.08	<0.08
4/1/2019									
4/2/2019	<0.08	<0.08	<0.08						<0.08
4/3/2019				<0.08	<0.08	0.35	1.7	<0.08	
4/4/2019									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-5 (bg)	WGWA-4 (bg)	WGWA-3 (bg)	WGWC-13	WGWC-12	WGWC-9	WGWC-8	WGWC-11	WGWC-19
9/16/2019	<0.08								
9/17/2019		<0.08							
9/18/2019			<0.08	<0.08					<0.08
9/19/2019					<0.08	0.39	1.7	<0.08	
3/16/2020									
3/17/2020	<0.08	<0.08	<0.08						
3/18/2020					0.039 (J)			<0.08	
3/19/2020				0.053 (J)		0.55	2.2		
5/4/2020									<0.08
9/21/2020		<0.08	<0.08						
9/22/2020	<0.08						2.5		
9/23/2020					<0.08	0.68			<0.08
9/24/2020				<0.08				<0.08	
3/8/2021									
3/9/2021									
3/10/2021	<0.08	<0.08	<0.08						
3/11/2021				<0.08			2.4		<0.08
3/12/2021					<0.08	0.64		<0.08	
4/7/2021									
4/8/2021									
8/23/2021									
8/24/2021	<0.08	<0.08							
8/25/2021			<0.08	0.063 (J)	<0.08			<0.08	
8/26/2021						0.56	2.4		<0.08
1/11/2022									
1/12/2022									
2/28/2022		<0.08							
3/1/2022	<0.08		<0.08						
3/3/2022				<0.08		0.62	2.7	<0.08	<0.08
3/4/2022					<0.08				
6/6/2022									
6/7/2022									
8/15/2022	<0.08								
8/16/2022		<0.08	<0.08				2.3	<0.08	
8/17/2022						0.55			<0.08
8/18/2022				<0.08	<0.08				
8/19/2022									
2/14/2023	0.03 (J)		<0.08						
2/15/2023		<0.08				0.69			
2/16/2023				0.033 (J)	0.024 (J)		2.8	<0.08	<0.08
8/11/2023									
8/14/2023									
8/15/2023	<0.08	<0.08	<0.08				2.8		
8/16/2023				<0.08	<0.08	0.6		<0.08	<0.08
8/17/2023									
2/13/2024		<0.08	<0.08				3		
2/14/2024					<0.08	0.56			
2/15/2024				<0.08					<0.08
2/16/2024	<0.08							<0.08	
7/30/2024		<0.08	<0.08						
7/31/2024				<0.08	0.025 (J)			<0.08	<0.08
8/1/2024						0.61	2.8		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-5 (bg)	WGWA-4 (bg)	WGWA-3 (bg)	WGWC-13	WGWC-12	WGWC-9	WGWC-8	WGWC-11	WGWC-19
8/2/2024									
2/10/2025			<0.08						
2/11/2025		<0.08			<0.08	0.58	3.6	<0.08	
2/12/2025				<0.08					
2/13/2025									<0.08

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-23	WGWC-21	WGWC-22	WGWC-24
5/17/2016							
5/18/2016							
5/19/2016							
7/19/2016							
7/20/2016							
9/13/2016							
9/14/2016							
9/15/2016							
11/9/2016							
11/10/2016							
11/11/2016							
11/14/2016							
1/17/2017							
1/18/2017							
1/19/2017							
1/20/2017							
1/24/2017							
1/27/2017							
2/6/2017							
2/8/2017	<0.08						
2/9/2017							
2/23/2017	<0.08						
3/13/2017							
3/14/2017							
3/15/2017							
3/17/2017	<0.08						
4/11/2017	<0.08						
4/24/2017							
4/25/2017							
4/26/2017	<0.08						
5/17/2017	<0.08						
6/7/2017	<0.08						
7/11/2017	<0.08						
8/8/2017							
8/9/2017							
8/10/2017							
8/25/2017							
10/10/2017							
10/11/2017	<0.08						
10/12/2017							
6/13/2018							
6/14/2018	<0.08						
9/24/2018							
9/27/2018							
9/28/2018							
10/2/2018							
10/3/2018							
10/4/2018	<0.08						
4/1/2019							
4/2/2019							
4/3/2019	<0.08						
4/4/2019							

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-23	WGWC-21	WGWC-22	WGWC-24
9/16/2019							
9/17/2019							
9/18/2019	<0.08						
9/19/2019							
3/16/2020							
3/17/2020							
3/18/2020							
3/19/2020	0.039 (J)						
5/4/2020							
9/21/2020							
9/22/2020							
9/23/2020							
9/24/2020	<0.08						
3/8/2021		0.48	1.3				
3/9/2021				0.073 (J)	0.19	0.33	1.8
3/10/2021							
3/11/2021	<0.08						
3/12/2021							
4/7/2021				<0.08	0.13		1.9
4/8/2021		0.43	0.98			0.21	
8/23/2021							
8/24/2021							
8/25/2021	0.043 (J)						
8/26/2021		0.7	2.1	0.052 (J)	0.087	0.36	2.1
1/11/2022		0.87		0.048 (J)	0.12	0.39	1.7
1/12/2022			4.9				
2/28/2022							
3/1/2022							
3/3/2022	<0.08				0.12		1.6
3/4/2022		0.72	4.3	<0.08		0.41	
6/6/2022				<0.08	0.13		0.64
6/7/2022		0.78	2.8			0.39	
8/15/2022							
8/16/2022					0.099		
8/17/2022		0.82		<0.08			
8/18/2022			2.2				0.44
8/19/2022	<0.08					0.33	
2/14/2023							
2/15/2023		0.89		0.049 (J)		0.39	1.4
2/16/2023	0.03 (J)		3.5		0.14		
8/11/2023			3.1				
8/14/2023							
8/15/2023		0.57					
8/16/2023	<0.08						
8/17/2023				<0.08	0.12	0.33	0.59
2/13/2024			5.6				
2/14/2024						0.33	1
2/15/2024	<0.08	0.29		<0.08	0.14		
2/16/2024							
7/30/2024							
7/31/2024		0.76	5.7	0.076 (J)			0.54
8/1/2024					0.11		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-23	WGWC-21	WGWC-22	WGWC-24
8/2/2024	<0.08					0.31	
2/10/2025							
2/11/2025							
2/12/2025	0.027 (J)	0.36	7.4			0.32	
2/13/2025				0.024 (J)	0.12		0.94

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
5/17/2016	0.927	23.7	12.2						
5/18/2016				8.24	1.7	27	2.1	168	1.36
5/19/2016									
7/19/2016	1	23	13		1.5	23		190	0.88
7/20/2016				11			1.7		
9/13/2016	0.44	23	13			25	1.3		0.93
9/14/2016				12	52			230	
9/15/2016									
11/9/2016	1.1	6.7	19			25			
11/10/2016				11			1.6	240	6.1
11/11/2016									
11/14/2016									
1/17/2017	1.4		28						
1/18/2017						26	1.7		10
1/19/2017		8.5			13				
1/20/2017				10					
1/24/2017								280	
1/27/2017									
2/6/2017									
2/8/2017									
2/9/2017									
2/23/2017									
3/13/2017	1.1		14						
3/14/2017		13		8.8	1.6	20	1.8		1.3
3/15/2017								260	
3/17/2017									
4/11/2017									
4/24/2017	1.1		12						
4/25/2017		23		12	1.5	28	2	300	1.9
4/26/2017									
5/17/2017									
6/7/2017									
7/11/2017									
8/8/2017	1.1	24	18			26	2		4.8
8/9/2017				11	1.3			350	
8/10/2017									
8/25/2017					1.5				
10/10/2017	1.2		21						
10/11/2017		23		10	1.5	29	2.1	360	0.93
10/12/2017									
3/27/2018	1.2		15						
3/28/2018		24			1.1	26	1.8		0.9
3/29/2018								330	
3/30/2018				7.2					
6/13/2018	1.1	11			1.2	25			
6/14/2018			12	6.2			2	260	0.94
9/24/2018			11						
9/27/2018	1.2								
9/28/2018		11							
10/2/2018						26			
10/3/2018					1.4		1.8		1.2
10/4/2018				6.4				250	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
4/1/2019	1		12						
4/2/2019		20			1.1	25	1.8		1.1
4/3/2019									
4/4/2019				5.6				110	
9/16/2019	1.3				36	25			
9/17/2019		10	13						
9/18/2019				5.5			1.6	62	1.5
9/19/2019									
3/16/2020	1.1		10						
3/17/2020		10			1.4	26	1.7		0.82
3/18/2020				6.3				66	
3/19/2020									
5/4/2020									
9/21/2020			13				1.8		
9/22/2020	1.2	19			58	25			0.89
9/23/2020				5.9				43	
9/24/2020									
3/8/2021									
3/9/2021									
3/10/2021		7.7	11		1.3		1.9		0.89
3/11/2021	1.3			5.7		26		32	
3/12/2021									
4/7/2021									
4/8/2021									
8/23/2021			13						
8/24/2021	1.2				47	26			1.7
8/25/2021		16		6			1.7	27	
8/26/2021									
1/11/2022									
1/12/2022									
2/28/2022									
3/1/2022	1.1		13		2.1	22	1.6		
3/3/2022		6.1						24	1.4
3/4/2022				5.3					
6/6/2022									
6/7/2022									
8/15/2022	1.2		12		51	24			
8/16/2022		8.8		5.6			1.8		0.94
8/17/2022								20	
8/18/2022									
8/19/2022									
2/14/2023	1.4	5.7	12		1.3	29	2		1.3
2/15/2023								26	
2/16/2023				6					
8/11/2023									
8/14/2023	1.5		14						
8/15/2023		8.3			26	27	1.9	23	1.8
8/16/2023				6.3					
8/17/2023									
2/13/2024	1.3	4.6	12			27	1.7		11
2/14/2024									
2/15/2024				6.2				20	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
2/16/2024					0.92				
7/30/2024	1.4	15	16			29	1.9	20	1.6
7/31/2024				6.8					
8/1/2024									
8/2/2024									
2/10/2025	1.4		16				1.8		
2/11/2025		4.4		5.8		27			8.7
2/12/2025								15	
2/13/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
5/17/2016									
5/18/2016	32.5	7.17	17.9						
5/19/2016				1.95	11.4	15.8	31.4	8.53	
7/19/2016	30								
7/20/2016		7	15	1.5	7.1	14	28	8.2	
9/13/2016			16						
9/14/2016	37	7.7		1.8	7.4	16		8.8	
9/15/2016							27		
11/9/2016									
11/10/2016	29		15		6.4				
11/11/2016		8.2		1.7		15			12
11/14/2016							32		
1/17/2017									
1/18/2017			17						
1/19/2017									
1/20/2017									
1/24/2017	28								
1/27/2017				3.5	6.2	16			
2/6/2017		9.1					41		11
2/8/2017									
2/9/2017								10	
2/23/2017									
3/13/2017									
3/14/2017	29		17						
3/15/2017		9		3.8	6.7	16	38	8.6	10
3/17/2017									
4/11/2017								8.6	11
4/24/2017									
4/25/2017	32		17						
4/26/2017		8.1		4	6.5	3	39	7.1	8.4
5/17/2017									
6/7/2017									9
7/11/2017									9.5
8/8/2017									
8/9/2017	30		15		7				
8/10/2017		8.1		3.5		15	53	7.5	8.8
8/25/2017									
10/10/2017									
10/11/2017	31		17						
10/12/2017		8.6		2.7	7	16	60	8.2	9.5
3/27/2018									
3/28/2018			15						
3/29/2018				3.9	7	14	61	7.6	10
3/30/2018	31	9							
6/13/2018									
6/14/2018	29	7.7	15	2.2	5.5	13	52	7.5	8.9
9/24/2018									
9/27/2018									
9/28/2018									
10/2/2018									
10/3/2018	31		16						
10/4/2018		8.5		2	5.9	15	65	8	10

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
4/1/2019									
4/2/2019			15						11
4/3/2019				1.7	4.7	14	61	7.2	
4/4/2019	30	7.9							
9/16/2019									
9/17/2019			16						
9/18/2019	31				4.9				8.8
9/19/2019		7.5		1.4		14	57	8.1	
3/16/2020									
3/17/2020			15						
3/18/2020	30	7.5		1.6		14			
3/19/2020					5		79	9.3	
5/4/2020									15
9/21/2020			16						
9/22/2020							81		
9/23/2020	32	7.7				13		10	13
9/24/2020				5.2	1.4				
3/8/2021									
3/9/2021									
3/10/2021			16						
3/11/2021		7.9			4		83		15
3/12/2021	31			1.6		15		11	
4/7/2021									
4/8/2021									
8/23/2021									
8/24/2021			15						
8/25/2021				1.5	4	14			
8/26/2021	31	7.6					85	9.3	10
1/11/2022									
1/12/2022									
2/28/2022			14						
3/1/2022									
3/3/2022	28	7.1		1.3	3.4		88	8.6	12
3/4/2022						12			
6/6/2022									
6/7/2022									
8/15/2022									
8/16/2022			16	1.6			83		
8/17/2022	29							9	9.8
8/18/2022					3.5	13			
8/19/2022		7.3							
2/14/2023									
2/15/2023	31		18					11	
2/16/2023		6.9		1.7	3.8	12	92		13
8/11/2023									
8/14/2023									
8/15/2023			17				96		
8/16/2023	32			1.7	4.1	15		11	14
8/17/2023		8							
2/13/2024			17				91		
2/14/2024						13		9.1	
2/15/2024	31	7.7			3.7				14

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
2/16/2024				1.6					
7/30/2024			18						
7/31/2024	32	8		1.8	3.8	14			12
8/1/2024							90	10	
8/2/2024									
2/10/2025									
2/11/2025			17	1.7		14	99	9.6	
2/12/2025					3.8				
2/13/2025	30	8							13

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
5/17/2016							
5/18/2016							
5/19/2016							
7/19/2016							
7/20/2016							
9/13/2016							
9/14/2016							
9/15/2016							
11/9/2016							
11/10/2016							
11/11/2016							
11/14/2016							
1/17/2017							
1/18/2017							
1/19/2017							
1/20/2017							
1/24/2017							
1/27/2017							
2/6/2017							
2/8/2017	3.2						
2/9/2017							
2/23/2017	4.1						
3/13/2017							
3/14/2017							
3/15/2017							
3/17/2017	2.4						
4/11/2017	4.1						
4/24/2017							
4/25/2017							
4/26/2017	2.5						
5/17/2017	5.2						
6/7/2017	5.2						
7/11/2017	2.3						
8/8/2017							
8/9/2017							
8/10/2017							
8/25/2017							
10/10/2017							
10/11/2017	3.8						
10/12/2017							
3/27/2018							
3/28/2018							
3/29/2018	1.2						
3/30/2018							
6/13/2018							
6/14/2018	1.1						
9/24/2018							
9/27/2018							
9/28/2018							
10/2/2018							
10/3/2018							
10/4/2018	2						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
4/1/2019							
4/2/2019							
4/3/2019	0.84						
4/4/2019							
9/16/2019							
9/17/2019							
9/18/2019	0.85						
9/19/2019							
3/16/2020							
3/17/2020							
3/18/2020							
3/19/2020	0.89						
5/4/2020							
9/21/2020							
9/22/2020							
9/23/2020							
9/24/2020	0.99						
3/8/2021		90	14				
3/9/2021				65	3.2	66	15
3/10/2021							
3/11/2021	0.79						
3/12/2021							
4/7/2021				71	2.7	67	
4/8/2021		88	16				14
8/23/2021							
8/24/2021							
8/25/2021	0.7						
8/26/2021		120	16	69	4.6	51	24
1/11/2022			16	51	3.1	57	32
1/12/2022		220					
2/28/2022							
3/1/2022							
3/3/2022	0.65			42		54	
3/4/2022		200	16		4		31
6/6/2022				22	4.5	58	
6/7/2022		140	15				19
8/15/2022							
8/16/2022						55	
8/17/2022			15		4.6		
8/18/2022		110		16			
8/19/2022	0.64						18
2/14/2023							
2/15/2023			18	39	2.4		26
2/16/2023	0.69	190				68	
8/11/2023		150					
8/14/2023							
8/15/2023			28				
8/16/2023	0.7						
8/17/2023				18	4.2	63	16
2/13/2024		210					
2/14/2024				24			21
2/15/2024	0.66		29		2.5	73	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
2/16/2024							
7/30/2024							
7/31/2024		220	29	14	4.2		
8/1/2024						69	
8/2/2024	0.68						14
2/10/2025							
2/11/2025							
2/12/2025	0.77	230	31				13
2/13/2025				20	4.4	64	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
5/17/2016	3.8	6.05	2.5						
5/18/2016				2.72	2.14	1.58	1.92	217	2.06
5/19/2016									
7/19/2016	3.9	4	2.6		2.4	1.6		250	2.1
7/20/2016				1.9			1.8		
9/13/2016	3.6	3.1	2.4			1.4	1.7		2
9/14/2016				1.6	2.1			260	
9/15/2016									
11/9/2016	3.9	2.3	2.3			1.5			
11/10/2016				1.6			1.6	290	1.8
11/11/2016									
11/14/2016									
1/17/2017	3.8		2.3						
1/18/2017						1.5	1.7		1.8
1/19/2017		2			1.8				
1/20/2017				1.5					
1/24/2017								310	
1/27/2017									
2/6/2017									
2/8/2017									
2/9/2017									
2/23/2017									
3/13/2017	3.4		2.2						
3/14/2017		1.9		1.5	2	2.5	1.6		1.8
3/15/2017								330	
3/17/2017									
4/11/2017									
4/24/2017	3.4		2.2						
4/25/2017		1.9		1.8	1.8	1.3	1.6	330	1.8
4/26/2017									
5/17/2017									
6/7/2017									
7/11/2017									
8/8/2017	3.6	2	2.3			1.4	1.7		1.9
8/9/2017				1.4	1.9			330	
8/10/2017									
8/25/2017					2				
10/10/2017	3.6		2.5						
10/11/2017		1.9		1.5	2.1	1.3	1.6	320	1.8
10/12/2017									
3/27/2018	3.6		2.2						
3/28/2018		2.2			1.4	1.3	1.6		1.8
3/29/2018								330	
3/30/2018				1.5					
6/13/2018	3.8	2			1.7	1.4			
6/14/2018			2.3	1.5			1.6	290	1.7
9/24/2018			2.4						
9/27/2018	4								
9/28/2018		2.1							
10/2/2018						1.4			
10/3/2018					1.8		1.6		1.8
10/4/2018				1.5				290	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
4/1/2019	4		2.4						
4/2/2019		2.6			1.7	1.5	1.7		1.9
4/3/2019									
4/4/2019				1.4				170	
9/16/2019	4				1.8	1.5			
9/17/2019		2	2.4						
9/18/2019				1.5			1.7	100	2
9/19/2019									
3/16/2020	4.3		2.7						
3/17/2020		2.3			1.6	1.7	1.8		2.2
3/18/2020				1.5				93	
3/19/2020									
5/4/2020									
9/21/2020			2.5				1.5		
9/22/2020	4	2.1			1.5	1.4			1.8
9/23/2020				1.2				58	
9/24/2020									
3/8/2021									
3/9/2021									
3/10/2021		1.9	2.6		1.8		1.8		1.9
3/11/2021	4.5			1.3		1.5		49	
3/12/2021									
4/7/2021									
4/8/2021									
8/23/2021			3.3						
8/24/2021	5.1				2.1	1.8			1.9
8/25/2021		2.3		1.6			1.9	45	
8/26/2021									
1/11/2022									
1/12/2022									
2/28/2022									
3/1/2022	4.1		2.7		1.5	1.5	1.8		
3/3/2022		2						42	2.1
3/4/2022				1.3					
6/6/2022									
6/7/2022									
8/15/2022	4		2.7		1.5	1.5			
8/16/2022		1.9		1.3			1.6		1.9
8/17/2022								35	
8/18/2022									
8/19/2022									
2/14/2023	3.9	1.9	2.6		1.3	1.5	1.6		1.8
2/15/2023								42	
2/16/2023				1.2					
8/11/2023									
8/14/2023	3.8		2.5						
8/15/2023		1.8			1.2	1.4	1.6	34	1.7
8/16/2023				1.1					
8/17/2023									
2/13/2024	3.5	1.7	2.4			1.4	1.5		1.6
2/14/2024									
2/15/2024				1.6				32	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
2/16/2024					1.6				
7/30/2024	3.9	2.1	2.9			1.8	1.8	26	2
7/31/2024				1.6					
8/1/2024									
8/2/2024									
2/10/2025	4.6		3.3				2		
2/11/2025		2.5		1.9		1.8			2.4
2/12/2025								28	
2/13/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
5/17/2016									
5/18/2016	4.59	1.45	1.45						
5/19/2016				3.21	2.26	3.8	17.5	1.46	
7/19/2016	5.9								
7/20/2016		1.6	1.4	3.4	1.9	3.8	19	1.5	
9/13/2016			1.4						
9/14/2016	7.9	1.5		3.1	1.6	3.7		1.4	
9/15/2016							19		
11/9/2016									
11/10/2016	6.5		1.3		1.4				
11/11/2016		1.5		3.2		3.5			2.6
11/14/2016							25		
1/17/2017									
1/18/2017			1.3						
1/19/2017									
1/20/2017									
1/24/2017	4.1								
1/27/2017				3.4	1.4	3.1			
2/6/2017		1.4					33		2.6
2/8/2017									
2/9/2017								1.5	
2/23/2017									
3/13/2017									
3/14/2017	4.4		1.2						
3/15/2017		1.4		3.1	1.4	3.2	38	1.3	2.4
3/17/2017									
4/11/2017								1.2	2.3
4/24/2017									
4/25/2017	4		1.2						
4/26/2017		1.3		3.1	1.3	3.2	42	1.2	2.3
5/17/2017									
6/7/2017									2.5
7/11/2017									2.3
8/8/2017									
8/9/2017	3.6		1.2		1.4				
8/10/2017		1.4		3.1		3.4	48	1.3	2.5
8/25/2017									
10/10/2017									
10/11/2017	5		1.2						
10/12/2017		1.3		3	1.2	3.1	60	1.4	2.3
3/27/2018									
3/28/2018			1.1						
3/29/2018				3.1	1.2	3.1	68	1.2	2.3
3/30/2018	4.2	1.3							
6/13/2018									
6/14/2018	4.3	1.3	1.2	3	1.2	3	58	1.2	2.4
9/24/2018									
9/27/2018									
9/28/2018									
10/2/2018									
10/3/2018	4.8		1.2						
10/4/2018		1.3		3.1	1.2	3.1	300	1.2	2.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
4/1/2019									
4/2/2019			1.2						2.5
4/3/2019				3.3	1.2	3	70	2	
4/4/2019	3.7	1.4							
9/16/2019									
9/17/2019			1.2						
9/18/2019	3.2				1.2				2.7
9/19/2019		1.5		3.2		3.2	70	1.5	
3/16/2020									
3/17/2020			1.4						
3/18/2020	1.7	1.5		3.2		3.2			
3/19/2020					1.3		98	2.1	
5/4/2020									2.8
9/21/2020			1.2						
9/22/2020							100		
9/23/2020	1.5	1.3				2.8		2.4	2.6
9/24/2020				1	1.6				
3/8/2021									
3/9/2021									
3/10/2021			1.2						
3/11/2021		1.7			1.2		110		2.9
3/12/2021	1.6			3.6		3.5		3.4	
4/7/2021									
4/8/2021									
8/23/2021									
8/24/2021			1.5						
8/25/2021				3.5	1.2	3.7			
8/26/2021	1.4	1.6					110	3.1	3.3
1/11/2022									
1/12/2022									
2/28/2022			1.2						
3/1/2022									
3/3/2022	1.4	1.6		3.6	1		130	3.5	3.2
3/4/2022						3.2			
6/6/2022									
6/7/2022									
8/15/2022									
8/16/2022			1.2	3.5			110		
8/17/2022	1.2							3.2	2.8
8/18/2022					0.98 (J)	3			
8/19/2022		1.4							
2/14/2023									
2/15/2023	1		1.2					3.9	
2/16/2023		1.3		3.3	0.97 (J)	2.9	120		2.6
8/11/2023									
8/14/2023									
8/15/2023			1.2				110		
8/16/2023	0.95 (J)			3.3	0.91 (J)	2.8		3.3	2.5
8/17/2023		1.3							
2/13/2024			1.1				88		
2/14/2024						2.8		3.2	
2/15/2024	1.4	1.8			1.3				3.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
2/16/2024				4.3					
7/30/2024			1.8						
7/31/2024	1.3	1.7		3.8	1.2	3.4			3.1
8/1/2024							110	4.3	
8/2/2024									
2/10/2025									
2/11/2025			1.7	0.45 (J)		3.7	120	2	
2/12/2025					1.3				
2/13/2025	1.1	1.5							3.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
5/17/2016							
5/18/2016							
5/19/2016							
7/19/2016							
7/20/2016							
9/13/2016							
9/14/2016							
9/15/2016							
11/9/2016							
11/10/2016							
11/11/2016							
11/14/2016							
1/17/2017							
1/18/2017							
1/19/2017							
1/20/2017							
1/24/2017							
1/27/2017							
2/6/2017							
2/8/2017	2.5						
2/9/2017							
2/23/2017	4.3						
3/13/2017							
3/14/2017							
3/15/2017							
3/17/2017	4.8						
4/11/2017	3.8						
4/24/2017							
4/25/2017							
4/26/2017	4.8						
5/17/2017	3.9						
6/7/2017	3.2						
7/11/2017	4.1						
8/8/2017							
8/9/2017							
8/10/2017							
8/25/2017							
10/10/2017							
10/11/2017	2.2						
10/12/2017							
3/27/2018							
3/28/2018							
3/29/2018	2.5						
3/30/2018							
6/13/2018							
6/14/2018	2.8						
9/24/2018							
9/27/2018							
9/28/2018							
10/2/2018							
10/3/2018							
10/4/2018	2.2						

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
4/1/2019							
4/2/2019							
4/3/2019	2.4						
4/4/2019							
9/16/2019							
9/17/2019							
9/18/2019	2.2						
9/19/2019							
3/16/2020							
3/17/2020							
3/18/2020							
3/19/2020	1.9						
5/4/2020							
9/21/2020							
9/22/2020							
9/23/2020							
9/24/2020	3.1						
3/8/2021		70	74				
3/9/2021				110	3.5	58	2.9
3/10/2021							
3/11/2021	2.6						
3/12/2021							
4/7/2021				110	3.7	50	
4/8/2021		57	77				2.4
8/23/2021							
8/24/2021							
8/25/2021	2.8						
8/26/2021		130	79	100	3.3	47	4.2
1/11/2022			75	60	2.9	44	5.1
1/12/2022		350					
2/28/2022							
3/1/2022							
3/3/2022	2.4			50		45	
3/4/2022		330	79		2.9		5.3
6/6/2022				41	3.1	48	
6/7/2022		180	79				4.3
8/15/2022							
8/16/2022						41	
8/17/2022			77		3.2		
8/18/2022		140		27			
8/19/2022	2.1						4.2
2/14/2023							
2/15/2023			79	39	2.9		4.6
2/16/2023	1.9	230				51	
8/11/2023		190					
8/14/2023							
8/15/2023			35				
8/16/2023	1.8						
8/17/2023				22	2.9	47	3.9
2/13/2024		230					
2/14/2024				22			4.1
2/15/2024	2.5		12		3.5	59	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
2/16/2024							
7/30/2024							
7/31/2024		270	53	14	3.2		
8/1/2024						48	
8/2/2024	2.4						4.4
2/10/2025							
2/11/2025							
2/12/2025	2.4	380	24				4.1
2/13/2025				19	3.1	48	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWC-10	WGWC-15
5/17/2016	0.0131 (J)	0.284 (J)	0.0538 (J)						
5/18/2016				0.164 (J)	0.014 (J)	0.106 (J)	0.018 (J)	0.206 (J)	0.779
5/19/2016									
7/19/2016	<0.2	0.21	<0.2		<0.2	0.11 (J)	<0.2		0.97
7/20/2016				0.17 (J)				0.23	
9/13/2016	<0.2	0.15 (J)	<0.2	0.15 (J)		0.11 (J)	<0.2		
9/14/2016					0.095 (J)			0.17 (J)	0.89
9/15/2016									
11/9/2016	<0.2	<0.2	0.085 (J)			0.1 (J)			
11/10/2016				0.12 (J)			<0.2		0.88
11/11/2016								0.14 (J)	
11/14/2016									
1/17/2017	<0.2		<0.2						
1/18/2017				0.15 (J)		0.11 (J)	<0.2		
1/19/2017		0.087 (J)			<0.2				
1/20/2017									
1/24/2017									0.92
1/27/2017									
2/6/2017								0.15 (J)	
2/8/2017									
2/9/2017									
2/23/2017									
3/13/2017	<0.2		<0.2						
3/14/2017		<0.2		0.13 (J)	<0.2	<0.2	<0.2		0.77
3/15/2017								0.16 (J)	
3/17/2017									
4/11/2017									
4/24/2017	<0.2		<0.2						
4/25/2017		<0.2		0.12 (J)	<0.2	<0.2	<0.2		0.95
4/26/2017								0.17 (J)	
5/17/2017									
6/7/2017									
7/11/2017									
8/8/2017	<0.2	0.087 (J)	<0.2			0.099 (J)	<0.2		
8/9/2017				0.14 (J)	<0.2				0.91
8/10/2017								0.2	
8/25/2017					<0.2				
10/10/2017	<0.2		0.18 (J)						
10/11/2017		0.09 (J)		0.14 (J)	<0.2	0.098 (J)	<0.2		0.88
10/12/2017								0.14 (J)	
3/27/2018	<0.2		<0.2						
3/28/2018		0.11 (J)		0.12 (J)	<0.2	0.088 (J)	<0.2		
3/29/2018									
3/30/2018								0.13 (J)	0.79
6/13/2018	<0.2	0.085 (J)			<0.2	0.093 (J)			
6/14/2018			<0.2	0.12 (J)			<0.2	0.15 (J)	0.79
9/24/2018			<0.2						
9/27/2018	<0.2								
9/28/2018		0.082 (J)							
10/2/2018						0.13 (J)			
10/3/2018				0.13 (J)	<0.2		<0.2		0.79
10/4/2018								0.18 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWC-10	WGWC-15
2/25/2019	<0.2		0.032 (J)						
2/26/2019		0.23		0.14 (J)	<0.2	0.074 (J)	<0.2		
2/27/2019								0.21	0.81
2/28/2019									
4/1/2019	<0.2		0.061 (J)						
4/2/2019		0.21		0.14 (J)	<0.2	0.09 (J)	<0.2		
4/3/2019									
4/4/2019								0.13 (J)	0.78
9/16/2019	0.03 (J)				<0.2	0.1 (J)			
9/17/2019		0.079 (J)	0.061 (J)	0.14 (J)					
9/18/2019							0.027 (J)		0.81
9/19/2019								0.13 (J)	
2/3/2020	0.032 (J)		0.061 (J)						
2/4/2020				0.13	<0.2	0.13			
2/5/2020		0.12					0.026 (J)	0.14	
2/7/2020									0.79
3/16/2020	0.042 (J)		0.052 (J)						
3/17/2020		<0.2		0.11	<0.2	0.037 (J)	0.044 (J)		
3/18/2020								0.052 (J)	0.71
3/19/2020									
5/4/2020									
9/21/2020			0.037 (J)	0.091 (J)					
9/22/2020	<0.2	0.1			<0.2	0.068 (J)	<0.2		
9/23/2020								0.09 (J)	0.63
9/24/2020									
2/2/2021	0.028 (J)	0.071 (J)	0.065 (J)	0.15			<0.2		
2/3/2021					<0.2	0.088 (J)			
2/4/2021								0.12	0.69
3/8/2021									
3/9/2021									
3/10/2021		0.046 (J)	0.045 (J)	0.12	<0.2		<0.2		
3/11/2021	<0.2					0.092 (J)		0.15	
3/12/2021									0.88
4/7/2021									
4/8/2021									
8/23/2021			0.097 (J)						
8/24/2021	0.062 (J)			0.17	0.073 (J)	0.16	0.054 (J)		
8/25/2021		0.13							
8/26/2021								0.16	0.77
1/11/2022									
1/12/2022									
2/28/2022				0.083 (J)					
3/1/2022	<0.2		0.058 (J)		<0.2	0.063 (J)			
3/3/2022		0.078 (J)					0.038 (J)	0.067 (J)	0.88
3/4/2022									
6/6/2022									
6/7/2022									
8/15/2022	<0.2		0.057 (J)		<0.2	0.093 (J)			
8/16/2022		0.06 (J)		0.12			<0.2		
8/17/2022									0.68
8/18/2022									
8/19/2022								0.1	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWC-10	WGWC-15
2/14/2023	<0.2	0.053 (J)	0.07 (J)		<0.2	0.11	<0.2		
2/15/2023				0.14					0.73
2/16/2023								0.11	
8/11/2023									
8/14/2023	<0.2		0.061 (J)						
8/15/2023		0.051 (J)		0.14	<0.2	0.12	<0.2		
8/16/2023									0.73
8/17/2023								0.1	
2/13/2024	<0.2	0.076 (J)	<0.2	0.087 (J)		0.07 (J)	<0.2		
2/14/2024									
2/15/2024								<0.2	0.89
2/16/2024					<0.2				
7/30/2024	<0.2	0.057 (J)	0.044 (J)	0.089 (J)		0.09 (J)	<0.2		
7/31/2024								0.1	0.62
8/1/2024									
8/2/2024									
2/10/2025	<0.2		<0.2						
2/11/2025		<0.2		<0.2		<0.2	<0.2		
2/12/2025									
2/13/2025								<0.2	0.72

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-3 (bg)	WGWC-17	WGWC-16	WGWC-9	WGWC-13	WGWC-12	WGWC-11	WGWC-8	WGWC-19
5/17/2016									
5/18/2016	0.029 (J)	0.121 (J)	0.1 (J)						
5/19/2016				1.58	0.384	0.12 (J)	0.039 (J)	0.304	
7/19/2016			0.14 (J)						
7/20/2016	<0.2	0.16 (J)		2	0.34	0.11 (J)	<0.2	0.27	
9/13/2016	<0.2								
9/14/2016		0.19 (J)	0.18 (J)	1.8	0.31	0.095 (J)	<0.2		
9/15/2016								0.24	
11/9/2016									
11/10/2016	<0.2	0.15 (J)	0.11 (J)		0.26				
11/11/2016						<0.2	<0.2		0.32
11/14/2016								0.2	
1/17/2017									
1/18/2017	<0.2								
1/19/2017									
1/20/2017		0.18 (J)							
1/24/2017			0.15 (J)						
1/27/2017					0.28	<0.2	<0.2		
2/6/2017								0.27	0.45
2/8/2017									
2/9/2017				1.3					
2/23/2017									
3/13/2017									
3/14/2017	<0.2	0.11 (J)							
3/15/2017			0.1 (J)	1.3	0.3	<0.2	<0.2	0.25	0.37
3/17/2017									
4/11/2017				1.4					0.37
4/24/2017									
4/25/2017	<0.2	0.13 (J)	0.13 (J)						
4/26/2017				1.5	0.33	<0.2	<0.2	0.31	0.4
5/17/2017									
6/7/2017									0.35
7/11/2017									0.39
8/8/2017	<0.2								
8/9/2017		0.19 (J)	0.18 (J)		0.32				
8/10/2017				1.6		0.11 (J)	<0.2	0.37	0.42
8/25/2017									
10/10/2017									
10/11/2017	<0.2	0.14 (J)	<0.2						
10/12/2017				1.5	0.28	0.091 (J)	<0.2	0.35	0.36
3/27/2018									
3/28/2018	<0.2								
3/29/2018			0.13 (J)	1.4	0.27	0.089 (J)	<0.2	0.36	0.34
3/30/2018		0.095 (J)							
6/13/2018									
6/14/2018	<0.2	0.11 (J)	<0.2	1.4	0.27	0.1 (J)	<0.2	0.56	0.35
9/24/2018									
9/27/2018									
9/28/2018									
10/2/2018									
10/3/2018	<0.2								
10/4/2018		0.11 (J)	0.85 (J)	1.4	0.23	0.12 (J)	<0.2	0.27	0.35

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-3 (bg)	WGWC-17	WGWC-16	WGWC-9	WGWC-13	WGWC-12	WGWC-11	WGWC-8	WGWC-19
2/25/2019									
2/26/2019	<0.2	0.068 (J)							
2/27/2019			0.47		0.25	0.06 (J)	0.047 (J)	0.054 (J)	
2/28/2019				1.4					0.28
4/1/2019									
4/2/2019	0.039 (J)								0.33
4/3/2019				1.3	0.24	0.084 (J)	0.048 (J)	0.5	
4/4/2019		0.087 (J)	0.08 (J)						
9/16/2019									
9/17/2019									
9/18/2019	0.033 (J)	0.066 (J)	0.058 (J)		0.22				0.32
9/19/2019				1.3		0.093 (J)	0.037 (J)	0.42	
2/3/2020									
2/4/2020	0.031 (J)								
2/5/2020				1.3	0.2	0.098 (J)	0.045 (J)		
2/7/2020		0.079 (J)	0.072 (J)					0.25	0.35
3/16/2020									
3/17/2020	0.04 (J)								
3/18/2020		<0.2	0.084 (J)			0.033 (J)	<0.2		
3/19/2020				1	0.15			0.057 (J)	
5/4/2020									0.36
9/21/2020	<0.2								
9/22/2020								0.14	
9/23/2020		0.05 (J)	0.049 (J)	0.82		0.064 (J)			0.25
9/24/2020					<0.2		0.18		
2/2/2021	0.035 (J)								
2/3/2021						0.082 (J)	0.027 (J)	0.15	0.3
2/4/2021		0.064 (J)	0.052 (J)	0.91	0.16				
3/8/2021									
3/9/2021									
3/10/2021	<0.2								
3/11/2021		0.05 (J)	0.061 (J)		0.18			0.16	0.31
3/12/2021				0.98		0.096 (J)	0.044 (J)		
4/7/2021									
4/8/2021									
8/23/2021									
8/24/2021									
8/25/2021	0.077 (J)	0.093 (J)	0.099 (J)		0.2	0.14	0.056 (J)		
8/26/2021				1				0.21	0.38
1/11/2022									
1/12/2022									
2/28/2022									
3/1/2022	<0.2								
3/3/2022			0.067 (J)	1	0.21		0.055 (J)	0.19	0.4
3/4/2022		0.06 (J)				0.068 (J)			
6/6/2022									
6/7/2022									
8/15/2022									
8/16/2022	<0.2	0.06 (J)					<0.2	0.21	
8/17/2022			0.062 (J)	0.9					0.28
8/18/2022					0.14	0.073 (J)			
8/19/2022									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-3 (bg)	WGWC-17	WGWC-16	WGWC-9	WGWC-13	WGWC-12	WGWC-11	WGWC-8	WGWC-19
2/14/2023	0.041 (J)								
2/15/2023			0.076 (J)	0.85					
2/16/2023		0.069 (J)			0.15	0.089 (J)	0.041 (J)	0.14	0.33
8/11/2023									
8/14/2023									
8/15/2023	0.04 (J)		0.065 (J)					0.15 (J)	
8/16/2023		0.064 (J)		0.9	0.13	0.083 (J)	0.041 (J)		0.34
8/17/2023									
2/13/2024	<0.2							<0.2	
2/14/2024				0.73		0.044 (J)			
2/15/2024		<0.2	<0.2		0.21 (J)				0.4
2/16/2024							<0.2		
7/30/2024	<0.2		<0.2						
7/31/2024		0.049 (J)			0.15	0.077 (J)	<0.2		0.28
8/1/2024				0.9				<0.2	
8/2/2024									
2/10/2025	<0.2								
2/11/2025		<0.2		0.4		<0.2	<0.2	<0.2	
2/12/2025			<0.2		<0.2				
2/13/2025									0.058 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-22	WGWC-21	WGWC-24	WGWC-23
5/17/2016							
5/18/2016							
5/19/2016							
7/19/2016							
7/20/2016							
9/13/2016							
9/14/2016							
9/15/2016							
11/9/2016							
11/10/2016							
11/11/2016							
11/14/2016							
1/17/2017							
1/18/2017							
1/19/2017							
1/20/2017							
1/24/2017							
1/27/2017							
2/6/2017							
2/8/2017	<0.2						
2/9/2017							
2/23/2017	<0.2						
3/13/2017							
3/14/2017							
3/15/2017							
3/17/2017	<0.2						
4/11/2017	<0.2						
4/24/2017							
4/25/2017							
4/26/2017	<0.2						
5/17/2017	<0.2						
6/7/2017	<0.2						
7/11/2017	<0.2						
8/8/2017							
8/9/2017							
8/10/2017							
8/25/2017							
10/10/2017							
10/11/2017	<0.2						
10/12/2017							
3/27/2018							
3/28/2018							
3/29/2018	<0.2						
3/30/2018							
6/13/2018							
6/14/2018	<0.2						
9/24/2018							
9/27/2018							
9/28/2018							
10/2/2018							
10/3/2018							
10/4/2018	<0.2						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-22	WGWC-21	WGWC-24	WGWC-23
2/25/2019							
2/26/2019							
2/27/2019	<0.2						
2/28/2019							
4/1/2019							
4/2/2019							
4/3/2019	0.048 (J)						
4/4/2019							
9/16/2019							
9/17/2019							
9/18/2019	0.035 (J)						
9/19/2019							
2/3/2020							
2/4/2020							
2/5/2020	0.04 (J)						
2/7/2020							
3/16/2020							
3/17/2020							
3/18/2020							
3/19/2020	<0.2						
5/4/2020							
9/21/2020							
9/22/2020							
9/23/2020							
9/24/2020	0.028 (J)						
2/2/2021							
2/3/2021							
2/4/2021	0.033 (J)						
3/8/2021		<0.2	1.8				
3/9/2021				1.1	1.7	1	0.092 (J)
3/10/2021							
3/11/2021	0.04 (J)						
3/12/2021							
4/7/2021					1.6	1.1	0.093 (J)
4/8/2021		0.028 (J)	1.7	1.4			
8/23/2021							
8/24/2021							
8/25/2021	0.071 (J)						
8/26/2021		0.047 (J)	2	0.51	2	1.2	0.081 (J)
1/11/2022		0.028 (J)		0.45	1.9	1	0.045 (J)
1/12/2022			1.8				
2/28/2022							
3/1/2022							
3/3/2022	0.057 (J)				1.8	0.71	
3/4/2022		0.038 (J)	2	0.42			0.045 (J)
6/6/2022					1.9	0.43	0.028 (J)
6/7/2022		<0.2	2.5	0.37			
8/15/2022							
8/16/2022					1.8		
8/17/2022		<0.2					0.043 (J)
8/18/2022			2			0.24	
8/19/2022	<0.2			0.31			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-22	WGWC-21	WGWC-24	WGWC-23
2/14/2023							
2/15/2023		<0.2		0.31		0.63	0.048 (J)
2/16/2023	<0.2		1.9		1.9		
8/11/2023			2.1				
8/14/2023							
8/15/2023		0.049 (J)					
8/16/2023	0.04 (J)						
8/17/2023				0.32	1.8	0.28	0.045 (J)
2/13/2024			<0.2				
2/14/2024				0.23		<0.2	
2/15/2024	<0.2	<0.2			2.2		<0.2
2/16/2024							
7/30/2024							
7/31/2024		<0.2	1.8			0.1 (J)	0.045 (J)
8/1/2024					<0.2		
8/2/2024	<0.2			<0.2			
2/10/2025							
2/11/2025							
2/12/2025	<0.2	<0.2	<0.2	<0.2			
2/13/2025					<0.2	<0.2	<0.2

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-10	WGWA-7 (bg)	WGWC-15	WGWA-5 (bg)	WGWC-16	WGWA-4 (bg)
5/17/2016	5.24	7.81	6.23						
5/18/2016				8.96	5.5	7.75	5.47	6.06	7.23
5/19/2016									
7/19/2016	5.43	7.250493	6.285413		5.430599	7.876073	5.336672	5.88	
7/20/2016				8.56774					7.281557
9/1/2016									
9/13/2016	5.22	7.18	6.3		5.57				7.15
9/14/2016						7.79	7.29	5.89	
9/15/2016									
11/9/2016	5.57	6.03	6.26						
11/10/2016					6.93	7.76		5.6	6.33
11/11/2016				6.96					
11/14/2016									
1/17/2017	5.48		6.8						
1/18/2017					7.16				6.94
1/19/2017		6.71					6.59		
1/20/2017									
1/24/2017						7.71		5.54	
1/27/2017									
2/6/2017				6.93					
2/8/2017									
2/23/2017									
3/13/2017	5.4		6.18						
3/14/2017		6.45			5.82	7.57	5.86		6.75
3/15/2017				6.82				5.39	
3/17/2017									
4/11/2017									
4/24/2017	5.4		6.35						
4/25/2017		6.93			5.57	7.47	5.35	5.28	6.84
4/26/2017				6.73					
5/17/2017									
6/7/2017									
7/11/2017									
8/8/2017	5.32	6.72	6.23		5.6				
8/9/2017						7.37	5.25	5.46	6.67
8/10/2017				6.66					
8/25/2017							5.44		
10/10/2017	5.26		6.32						
10/11/2017		6.75			5.43	7.42	6.99	5.45	6.75
10/12/2017				6.67					
3/27/2018	5.39		6.14						
3/28/2018		6.84			5.29		5.95		6.79
3/29/2018								5.33	
3/30/2018				6.98		7.48			
6/13/2018	5.33	6.31					5.13		
6/14/2018			6.02	6.56	5.39	7.5		5.35	6.67
9/24/2018			6.1						
9/27/2018	5.33								
9/28/2018		6.26							
10/2/2018									
10/3/2018					5.33	7.11	5.22		6.92
10/4/2018				6.4				5.28	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-10	WGWA-7 (bg)	WGWC-15	WGWA-5 (bg)	WGWC-16	WGWA-4 (bg)
2/25/2019	5.25		6.02						
2/26/2019		7.66			5.62		5.21		6.74
2/27/2019				6.23		7.4		5.08	
2/28/2019									
4/1/2019	5.31		6.09						
4/2/2019		7.53			5.6		5.25		6.81
4/3/2019									
4/4/2019				6.46		7.58		5.19	
9/16/2019	5.28						6.94		
9/17/2019		6.47	6.25						6.93
9/18/2019					5.6	7.8		5.19	
9/19/2019				6.45					
2/3/2020	5.402418		6.090122						
2/4/2020							5.307606		7.287213
2/5/2020		6.730563		6.415246	5.535178				
2/7/2020						7.657187		5.168839	
3/16/2020	5.29		6.01						
3/17/2020		6.36			5.32		5.34		6.83
3/18/2020				6.4		7.73		5.08	
3/19/2020									
5/4/2020									
9/21/2020			6.05						6.81
9/22/2020	5.09	7.18			5.36		6.78		
9/23/2020				6.14		7.35		5.05	
9/24/2020									
2/2/2021	5.36	6.48	6.1		5.84				6.61
2/3/2021							5.3		
2/4/2021				6.21		7.77		5.42	
3/8/2021									
3/9/2021									
3/10/2021		5.8	6.11		4.96		5.22		7.19
3/11/2021	5.26			6.56				5.21	
3/12/2021						7.72			
4/7/2021									
4/8/2021									
8/23/2021			6.18						
8/24/2021	5.21				5.53		6.8		7.22
8/25/2021		6.74						5.25	
8/26/2021				6.31		7.58			
1/11/2022									
1/12/2022									
2/28/2022									7.14
3/1/2022	5.32		6.2				5.47		
3/3/2022		5.94		6.36	5.44	7.61		5.22	
3/4/2022									
6/6/2022									
6/7/2022									
8/15/2022	5.28		6.04				6.54		
8/16/2022		6.19			5.32				6.92
8/17/2022						7.54		5.24	
8/18/2022									
8/19/2022				6.2					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-10	WGWA-7 (bg)	WGWC-15	WGWA-5 (bg)	WGWC-16	WGWA-4 (bg)
2/14/2023	5.37	5.89	6.06		5.44		5.3		
2/15/2023						7.72		5.19	7.21
2/16/2023				6.39					
8/11/2023									
8/14/2023	5.09		6.06						
8/15/2023		6.01			5.49		6.6	5.07	6.47
8/16/2023						7.41			
8/17/2023				6.49					
2/13/2024	5.46	5.84	5.97		6.19				7.1
2/14/2024									
2/15/2024				6.41		7.88		5.31	
2/16/2024							5.23		
7/30/2024	5.27	6.47	5.9		5.43			5.26	7.13
7/31/2024				6.21		7.67			
8/1/2024									
8/2/2024									
2/10/2025	5.4		6.44						
2/11/2025		5.74			6.08				7.58
2/12/2025								5.42	
2/13/2025				6.27		7.87			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-17	WGWA-3 (bg)	WGWA-6 (bg)	WGWC-9	WGWC-8	WGWC-11	WGWC-12	WGWC-13	WGWC-19
5/17/2016									
5/18/2016	6.41	5.55	7.92						
5/19/2016				6.31	5.99	5.93	6.91	6.85	
7/19/2016			7.154587						
7/20/2016	6.662463	5.656628		6.345061	6.194334	5.97	6.962608	6.705264	
9/1/2016							6.96		
9/13/2016		5.63	7.96						
9/14/2016	6.7			6.33				6.7	
9/15/2016					6.38				
11/9/2016			7.27						
11/10/2016	6.51	5.61						6.5	
11/11/2016						6.03	6.76		6.93
11/14/2016					5.7				
1/17/2017									
1/18/2017		5.81	7.72						
1/19/2017									
1/20/2017	6.55								
1/24/2017									
1/27/2017						6.21	6.66	6.47	
2/6/2017					5.66				6.8
2/8/2017									
2/23/2017									
3/13/2017									
3/14/2017	6.27	5.53							
3/15/2017				5.99	5.77	5.97	6.3	6.75	6.78
3/17/2017									
4/11/2017									6.79
4/24/2017									
4/25/2017	6.36	5.59	7.73						
4/26/2017				6.03	5.39	6.17	6.67	6.57	6.82
5/17/2017									
6/7/2017									6.76
7/11/2017									6.99
8/8/2017		5.52	7.74						
8/9/2017	6.47							6.55	
8/10/2017				5.86	5.59	6.05	6.7		6.59
8/25/2017									
10/10/2017									
10/11/2017	6.47	5.51	7.01						
10/12/2017				6.09	5.46	6.89	6.89	6.67	6.7
3/27/2018									
3/28/2018		5.6	7.28						
3/29/2018				5.89	5.43	6.85	7.08	6.99	6.88
3/30/2018	6.71								
6/13/2018			7.78						
6/14/2018	6.15	5.58		6.47	5.76	5.89	6.73	6.39	6.72
9/24/2018									
9/27/2018									
9/28/2018									
10/2/2018			7.52						
10/3/2018		5.45							
10/4/2018	6.14			6.17	5.39	5.81	6.79	6.5	6.67

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-17	WGWA-3 (bg)	WGWA-6 (bg)	WGWC-9	WGWC-8	WGWC-11	WGWC-12	WGWC-13	WGWC-19
2/25/2019									
2/26/2019	6.17	5.6	7.87						
2/27/2019					5.55	5.78	6.7	6.47	
2/28/2019				6.54					6.98
4/1/2019									
4/2/2019		5.69	7.94						6.75
4/3/2019				6.1	5.55	6.07	6.91	6.47	
4/4/2019	6.16								
9/16/2019			7.55						
9/17/2019									
9/18/2019	6.17	5.62						6.46	6.71
9/19/2019				6.38	5.39	5.82	6.63		
2/3/2020									
2/4/2020		5.655257	7.740019						
2/5/2020				6.536418		5.891838	6.763076	6.440089	
2/7/2020	6.341561				5.376234				7.078448
3/16/2020									
3/17/2020		5.61	7.95						
3/18/2020	6.3					5.89	6.93		
3/19/2020				6.64	6.43			6.56	
5/4/2020									6.9
9/21/2020		5.35							
9/22/2020			7.4		5.17				
9/23/2020	5.89			5.8			6.42		6.59
9/24/2020						5.5		6.29	
2/2/2021		5.78							
2/3/2021			7.76		5.08	5.21	6.15		6.75
2/4/2021	6.31			6.22				6.34	
3/8/2021									
3/9/2021									
3/10/2021		5.49							
3/11/2021	5.96		7.93		5.35			5.95	7.12
3/12/2021				5.88		5.46	6.66		
4/7/2021									
4/8/2021									
8/23/2021									
8/24/2021			7.88						
8/25/2021	6.09	5.52				5.66	6.69	6.27	
8/26/2021				5.84	5.36				6.66
1/11/2022									
1/12/2022									
2/28/2022									
3/1/2022		5.59	7.86						
3/3/2022				5.86	5.21	5.59		6.31	6.69
3/4/2022	6.21						6.79		
6/6/2022									
6/7/2022									
8/15/2022			7.76						
8/16/2022	6.02	5.46			5.4	5.56			
8/17/2022				5.8					6.6
8/18/2022							6.52	6.15	
8/19/2022									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-17	WGWA-3 (bg)	WGWA-6 (bg)	WGWC-9	WGWC-8	WGWC-11	WGWC-12	WGWC-13	WGWC-19
2/14/2023		5.49	7.78						
2/15/2023				5.86					
2/16/2023	6.28				5.22	5.69	6.61	6.27	6.8
8/11/2023									
8/14/2023									
8/15/2023		5.17	7.93		5.43				
8/16/2023	6.13			5.78		5.19	6.1	6.22	6.44
8/17/2023									
2/13/2024		5.52	7.75		5.31				
2/14/2024				6.13			6.67		
2/15/2024	6.16							6.3	6.87
2/16/2024						5.6			
7/30/2024		5.52	7.88						
7/31/2024	6.04					5.6	6.74	6.22	6.54
8/1/2024				5.77	5.38				
8/2/2024									
2/10/2025		5.25							
2/11/2025	6.26		8.01	5.86	5.23	5.54	6.63		
2/12/2025								6.32	
2/13/2025									6.7

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-23	WGWC-22	WGWC-21	WGWC-24
5/17/2016							
5/18/2016							
5/19/2016							
7/19/2016							
7/20/2016							
9/1/2016							
9/13/2016							
9/14/2016							
9/15/2016							
11/9/2016							
11/10/2016							
11/11/2016							
11/14/2016							
1/17/2017							
1/18/2017							
1/19/2017							
1/20/2017							
1/24/2017							
1/27/2017							
2/6/2017							
2/8/2017	5.81						
2/23/2017	5.8						
3/13/2017							
3/14/2017							
3/15/2017							
3/17/2017	5.97						
4/11/2017	6.18						
4/24/2017							
4/25/2017							
4/26/2017	6.09						
5/17/2017	6.26						
6/7/2017	6.21						
7/11/2017	6						
8/8/2017							
8/9/2017							
8/10/2017							
8/25/2017							
10/10/2017							
10/11/2017	6.97						
10/12/2017							
3/27/2018							
3/28/2018							
3/29/2018	6.51						
3/30/2018							
6/13/2018							
6/14/2018	5.76						
9/24/2018							
9/27/2018							
9/28/2018							
10/2/2018							
10/3/2018							
10/4/2018	5.97						

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-23	WGWC-22	WGWC-21	WGWC-24
2/25/2019							
2/26/2019							
2/27/2019	5.73						
2/28/2019							
4/1/2019							
4/2/2019							
4/3/2019	5.68						
4/4/2019							
9/16/2019							
9/17/2019							
9/18/2019	5.5						
9/19/2019							
2/3/2020							
2/4/2020							
2/5/2020	5.523207						
2/7/2020							
3/16/2020							
3/17/2020							
3/18/2020							
3/19/2020	5.49						
5/4/2020							
9/21/2020							
9/22/2020							
9/23/2020							
9/24/2020	5.16						
2/2/2021							
2/3/2021							
2/4/2021	5.76						
3/8/2021		5.36	5.54				
3/9/2021				5.81	5.56	7.29	4.29
3/10/2021							
3/11/2021	5.1						
3/12/2021							
4/7/2021				5.57		7.05	4.43
4/8/2021		5.39	5.6		6.01		
8/23/2021							
8/24/2021							
8/25/2021	5.39						
8/26/2021		5.3	5.37	5.8	5.4	6.88	4.33
1/11/2022		5.26		5.61	5.4	6.68	4.39
1/12/2022			5.19				
2/28/2022							
3/1/2022							
3/3/2022	5.4					6.88	4.39
3/4/2022		5.21	5.23	5.74	5.34		
6/6/2022				5.73		6.69	4.52
6/7/2022		5.32	5.39		5.41		
8/15/2022							
8/16/2022						6.72	
8/17/2022		5.28		5.64			
8/18/2022			5.29				4.42
8/19/2022	5.25				5.34		

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-25	WGWC-20	WGWC-23	WGWC-22	WGWC-21	WGWC-24
2/14/2023							
2/15/2023		5.36		5.49	5.47		4.54
2/16/2023	5.4		5.17			6.92	
8/11/2023			5.31				
8/14/2023							
8/15/2023		5.97					
8/16/2023	5.17						
8/17/2023				5.66	5.41	6.86	4.35
2/13/2024			5.34				
2/14/2024					5.84		4.72
2/15/2024	5.18	6.24		5.62		6.7	
2/16/2024							
7/30/2024							
7/31/2024		5.97	5.47	5.44			4.41
8/1/2024						6.73	
8/2/2024	5.09				5.36		
2/10/2025							
2/11/2025							
2/12/2025	5.44	6.19	5.33		5.47		
2/13/2025				5.58		6.63	4.49

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
5/17/2016	<1	19.9	1.14						
5/18/2016				32.1	0.955 (J)	8.88	0.821 (J)	388	0.368 (J)
5/19/2016									
7/19/2016	<1	14	1.4		0.76 (J)	9		460	<1
7/20/2016				9.7			0.82 (J)		
9/13/2016	<1	11	1.1			8.5	0.81 (J)		<1
9/14/2016				6.6	3.4			500	
9/15/2016									
11/9/2016	<1	6.3	1.1			8.2			
11/10/2016				5.2			0.73 (J)	530	<1
11/11/2016									
11/14/2016									
1/17/2017	<1		2.1						
1/18/2017						9.4	0.99 (J)		1.4
1/19/2017		7.4			21				
1/20/2017				5.3					
1/24/2017								600	
1/27/2017									
2/6/2017									
2/8/2017									
2/9/2017									
2/23/2017									
3/13/2017	<1		0.97 (J)						
3/14/2017		10		9.6	1.4	2	0.83 (J)		<1
3/15/2017								610	
3/17/2017									
4/11/2017									
4/24/2017	<1		0.75 (J)						
4/25/2017		10		20	0.89 (J)	8.2	0.7 (J)	620	<1
4/26/2017									
5/17/2017									
6/7/2017									
7/11/2017									
8/8/2017	<1	12	1.1			8.5	0.82 (J)		<1
8/9/2017				6.5	0.75 (J)			780	
8/10/2017									
8/25/2017					<1				
10/10/2017	<1		1.3						
10/11/2017		11		13	<1	8.3	0.72 (J)	720	<1
10/12/2017									
3/27/2018	<1		0.72 (J)						
3/28/2018		12			0.88 (J)	8.1	<1		<1
3/29/2018								700	
3/30/2018				16					
6/13/2018	<1	8.2			<1	8.3			
6/14/2018			0.84 (J)	16			<1	620	<1
9/24/2018			0.79 (J)						
9/27/2018	<1								
9/28/2018		7.6							
10/2/2018						8.3			
10/3/2018					<1		0.73 (J)		<1
10/4/2018				15				560	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
4/1/2019	<1		1						
4/2/2019		11			0.94 (J)	8.5	1.1		0.4 (J)
4/3/2019									
4/4/2019				9.1				250	
9/16/2019	0.49 (J)				2.2	8.9			
9/17/2019		8	1.3						
9/18/2019				7.3			0.78 (J)	130	<1
9/19/2019									
3/16/2020	0.42 (J)		1.3						
3/17/2020		8.5			4	12	1.2		0.86 (J)
3/18/2020				4.2				120	
3/19/2020									
5/4/2020									
9/21/2020			1.1				0.77 (J)		
9/22/2020	<1	9			1.5	8			0.38 (J)
9/23/2020				4.4				85	
9/24/2020									
3/8/2021									
3/9/2021									
3/10/2021		7.1	0.9 (J)		<1		0.91 (J)		<1
3/11/2021	<1			3.9		8.4		64	
3/12/2021									
4/7/2021									
4/8/2021									
8/23/2021			1.3						
8/24/2021	<1				2.8	8.9			<1
8/25/2021		8.2		3.3			0.79 (J)	63	
8/26/2021									
1/11/2022									
1/12/2022									
2/28/2022									
3/1/2022	<1		1.6		0.99 (J)	9.2	0.98 (J)		
3/3/2022		8.5						57	<1
3/4/2022				3.6					
6/6/2022									
6/7/2022									
8/15/2022	<1		0.54 (J)		1.6	7.5			
8/16/2022		7.2		3.4			0.52 (J)		<1
8/17/2022								49	
8/18/2022									
8/19/2022									
2/14/2023	<1	7.3	0.66 (J)		0.66 (J)	7.9	0.65 (J)		<1
2/15/2023								54	
2/16/2023				2.6					
8/11/2023									
8/14/2023	<1		0.74 (J)						
8/15/2023		6.8			1.2	7.3	0.71 (J)	52	0.45 (J)
8/16/2023				2.6					
8/17/2023									
2/13/2024	<1	5.1	0.64 (J)			6.7	0.68 (J)		0.56 (J)
2/14/2024									
2/15/2024				5.4				50	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
2/16/2024					1.5				
7/30/2024	<1	8.6	0.81 (J)			7.7	0.73 (J)	41	<1
7/31/2024				3					
8/1/2024									
8/2/2024									
2/10/2025	<1		1.1				1.1		
2/11/2025		8.4		3.4		7.9			0.7 (J)
2/12/2025								40	
2/13/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
5/17/2016									
5/18/2016	50.7	2.84	5.32						
5/19/2016				1.83	19.2	15.8	146	35.9	
7/19/2016	62								
7/20/2016		2.8	6.5	1.6	11	16	150	37	
9/13/2016			5.6						
9/14/2016	79	2.8		1.5	8.6	16		39	
9/15/2016							140		
11/9/2016									
11/10/2016	61		5.4		5.7				
11/11/2016		2.6		1.4		14			3.4
11/14/2016							160		
1/17/2017									
1/18/2017			5.1						
1/19/2017									
1/20/2017									
1/24/2017	34								
1/27/2017				2.5	6.8	15			
2/6/2017		2.7					180		3.7
2/8/2017									
2/9/2017								60	
2/23/2017									
3/13/2017									
3/14/2017	43		4.6						
3/15/2017		2.7		2.5	11	17	170	44	3.6
3/17/2017									
4/11/2017								36	3.2
4/24/2017									
4/25/2017	39		6.6						
4/26/2017		2.5		2.2	8.1	15	180	37	3.3
5/17/2017									
6/7/2017									3.8
7/11/2017									3.3
8/8/2017									
8/9/2017	35		7.3		8.1				
8/10/2017		2.2		2.3		16	180	38	3.7
8/25/2017									
10/10/2017									
10/11/2017	48		6.8						
10/12/2017		1.9		1.9	6.1	14	180	37	3.6
3/27/2018									
3/28/2018			6.8						
3/29/2018				2.2	6.5	16	180	37	3.4
3/30/2018	42	1.9							
6/13/2018									
6/14/2018	44	2	6.9	1.7	5	14	170	37	3.5
9/24/2018									
9/27/2018									
9/28/2018									
10/2/2018									
10/3/2018	49		7						
10/4/2018		1.9		1.6	4.3	14	780	38	4.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
4/1/2019									
4/2/2019			8.1						3.8
4/3/2019				1.9	3.8	13	180	41	
4/4/2019	41	2.2							
9/16/2019									
9/17/2019			8.1						
9/18/2019	37				3.9				3.6
9/19/2019		2.1		1.3		14	190	42	
3/16/2020									
3/17/2020			12						
3/18/2020	17	2.1		1.6		12			
3/19/2020					4		200	45	
5/4/2020									4.5
9/21/2020			7.7						
9/22/2020							200		
9/23/2020	21	1.8				12		54	3
9/24/2020				2.7	0.63 (J)				
3/8/2021									
3/9/2021									
3/10/2021			8.1						
3/11/2021		2.8			2.9		220		4
3/12/2021	19			2		14		62	
4/7/2021									
4/8/2021									
8/23/2021									
8/24/2021			7.9						
8/25/2021				1.1	1.8	13			
8/26/2021	16	1.8					220	52	3.5
1/11/2022									
1/12/2022									
2/28/2022			8.4						
3/1/2022									
3/3/2022	18	2		2.3	3		250	58	4.8
3/4/2022						14			
6/6/2022									
6/7/2022									
8/15/2022									
8/16/2022			6.9	0.98 (J)			220		
8/17/2022	14							50	2.8
8/18/2022					1.7	11			
8/19/2022		1.6							
2/14/2023									
2/15/2023	14		7.8					65	
2/16/2023		1.8		1	2.3	2.8	250		3
8/11/2023									
8/14/2023									
8/15/2023			7.4				240		
8/16/2023	13			1	2.1	12		50	2.6
8/17/2023		1.7							
2/13/2024			6.2				190		
2/14/2024						8.8		37	
2/15/2024	16	3.2			4.3				5.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
2/16/2024				2.1					
7/30/2024			7.7						
7/31/2024	14	1.9		1	2.2	12			3.2
8/1/2024							250	50	
8/2/2024									
2/10/2025									
2/11/2025			8.1	0.41 (J)		13	280	26	
2/12/2025					2.6				
2/13/2025	13	1.9							3.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
5/17/2016							
5/18/2016							
5/19/2016							
7/19/2016							
7/20/2016							
9/13/2016							
9/14/2016							
9/15/2016							
11/9/2016							
11/10/2016							
11/11/2016							
11/14/2016							
1/17/2017							
1/18/2017							
1/19/2017							
1/20/2017							
1/24/2017							
1/27/2017							
2/6/2017							
2/8/2017	4.3						
2/9/2017							
2/23/2017	16						
3/13/2017							
3/14/2017							
3/15/2017							
3/17/2017	22						
4/11/2017	13						
4/24/2017							
4/25/2017							
4/26/2017	20						
5/17/2017	12						
6/7/2017	8.1						
7/11/2017	17						
8/8/2017							
8/9/2017							
8/10/2017							
8/25/2017							
10/10/2017							
10/11/2017	3.4						
10/12/2017							
3/27/2018							
3/28/2018							
3/29/2018	4.6						
3/30/2018							
6/13/2018							
6/14/2018	5.8						
9/24/2018							
9/27/2018							
9/28/2018							
10/2/2018							
10/3/2018							
10/4/2018	2.8						

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
4/1/2019							
4/2/2019							
4/3/2019	3.8						
4/4/2019							
9/16/2019							
9/17/2019							
9/18/2019	1.7						
9/19/2019							
3/16/2020							
3/17/2020							
3/18/2020							
3/19/2020	1.5						
5/4/2020							
9/21/2020							
9/22/2020							
9/23/2020							
9/24/2020	1.2						
3/8/2021		240	4.7				
3/9/2021				140	14	230	80
3/10/2021							
3/11/2021	1.7						
3/12/2021							
4/7/2021				160	5.1	190	
4/8/2021		240	5.8				60
8/23/2021							
8/24/2021							
8/25/2021	<1						
8/26/2021		290	13	170	7.5	190	100
1/11/2022			21	160	5.3	260	140
1/12/2022		360					
2/28/2022							
3/1/2022							
3/3/2022	1.3			130		250	
3/4/2022		390	21		5		150
6/6/2022				67	5.3	140	
6/7/2022		280	22				96
8/15/2022							
8/16/2022						240	
8/17/2022			25		5.5		
8/18/2022		280		49			
8/19/2022	<1						87
2/14/2023							
2/15/2023			27	120	5.2		110
2/16/2023	0.47 (J)	350				340	
8/11/2023		330					
8/14/2023							
8/15/2023			19				
8/16/2023	0.52 (J)						
8/17/2023				50	4.9	310	71
2/13/2024		280					
2/14/2024				55			64
2/15/2024	1.2		21		8.7	420	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
2/16/2024							
7/30/2024							
7/31/2024		380	22	43	5.6		
8/1/2024						320	
8/2/2024	0.6 (J)						55
2/10/2025							
2/11/2025							
2/12/2025	0.45 (J)	470	17				66
2/13/2025				79	7.3	350	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
5/17/2016	<10	112	100						
5/18/2016				107	33	113	29	1080	31
5/19/2016									
7/19/2016	14	80	84		<10	92		1200	<10
7/20/2016				78			<10		
9/13/2016	50	120	70			100	12		<10
9/14/2016				82	150			1300	
9/15/2016									
11/9/2016	22	76	110			130			
11/10/2016				98			30	1400	44
11/11/2016									
11/14/2016									
1/17/2017	8		120						
1/18/2017						120	22		50
1/19/2017		36			34				
1/20/2017				82					
1/24/2017								1300	
1/27/2017									
2/6/2017									
2/8/2017									
2/9/2017									
2/23/2017									
3/13/2017	<10		58						
3/14/2017		70		120	32	110	22		26
3/15/2017								1500	
3/17/2017									
4/11/2017									
4/24/2017	10		94						
4/25/2017		70		120	22	100	22	1700	10
4/26/2017									
5/17/2017									
6/7/2017									
7/11/2017									
8/8/2017	<10	72	62			90	4 (J)		<10
8/9/2017				92	20			1900	
8/10/2017									
8/25/2017					<10				
10/10/2017	44		140						
10/11/2017		90		74	4 (J)	98	10	1900	42
10/12/2017									
3/27/2018	18		92						
3/28/2018		120			12	130	34		6
3/29/2018								2200	
3/30/2018				100					
6/13/2018	24	38			<10	110			
6/14/2018			80	100			26	1500	14
9/24/2018			76						
9/27/2018	28								
9/28/2018		68							
10/2/2018						130			
10/3/2018					24		50		6
10/4/2018				98				1700	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
4/1/2019	<10		63						
4/2/2019		100			25	110	28		15
4/3/2019									
4/4/2019				89				710	
9/16/2019	27				41	110			
9/17/2019		76	120						
9/18/2019				79			36	520	35
9/19/2019									
3/16/2020	23		90						
3/17/2020		81			18	120	20		19
3/18/2020				98				370	
3/19/2020									
5/4/2020									
9/21/2020			100				22		
9/22/2020	24	96			190	130			15
9/23/2020				60				250	
9/24/2020									
3/8/2021									
3/9/2021									
3/10/2021		72	100		19		20		20
3/11/2021	24			75		110		190	
3/12/2021									
4/7/2021									
4/8/2021									
8/23/2021			110						
8/24/2021	32				150	120			24
8/25/2021		92		84			21	220	
8/26/2021									
1/11/2022									
1/12/2022									
2/28/2022									
3/1/2022	30		92		23	140	31		
3/3/2022		43						170	17
3/4/2022				55					
6/6/2022									
6/7/2022									
8/15/2022	45		100		140	120			
8/16/2022		60		81			30		22
8/17/2022								170	
8/18/2022									
8/19/2022									
2/14/2023	34	42	100		24	120	27		24
2/15/2023								160	
2/16/2023				77					
8/11/2023									
8/14/2023	37		110						
8/15/2023		56			82	130	34	160	29
8/16/2023				81					
8/17/2023									
2/13/2024	36	43	140			120	34		51
2/14/2024									
2/15/2024				79				150	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWC-17	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWC-16	WGWA-7 (bg)
2/16/2024					34				
7/30/2024	34	63	100			110	31	120	23
7/31/2024				83					
8/1/2024									
8/2/2024									
2/10/2025	37		120				34		
2/11/2025		46		81		120			84
2/12/2025								120	
2/13/2025									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
5/17/2016									
5/18/2016	190	70	101						
5/19/2016				39	127	101	311	134	
7/19/2016	180								
7/20/2016		42	86	<10	88	76	290	120	
9/13/2016			28						
9/14/2016	230	40		24	92	96		140	
9/15/2016							270		
11/9/2016									
11/10/2016	210		110		100				
11/11/2016		72		42		100			98
11/14/2016							320		
1/17/2017									
1/18/2017			98						
1/19/2017									
1/20/2017									
1/24/2017	140								
1/27/2017				18	80	50			
2/6/2017		24					330		36
2/8/2017									
2/9/2017								180	
2/23/2017									
3/13/2017									
3/14/2017	220		110						
3/15/2017		78		54	100	120	370	160	120
3/17/2017									
4/11/2017								120	68
4/24/2017									
4/25/2017	180		86						
4/26/2017		48		42	92	100	380	140	76
5/17/2017									
6/7/2017									74
7/11/2017									70
8/8/2017									
8/9/2017	180		92		120				
8/10/2017		38		30		96	380	130	66
8/25/2017									
10/10/2017									
10/11/2017	200		110						
10/12/2017		72		54	110	100	450	120	100
3/27/2018									
3/28/2018			110						
3/29/2018				62	120	120	500	130	110
3/30/2018	210	64							
6/13/2018									
6/14/2018	170	40	92	16	88	94	410	120	74
9/24/2018									
9/27/2018									
9/28/2018									
10/2/2018									
10/3/2018	260		100						
10/4/2018		60		56	100	110	520	140	100

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
4/1/2019									
4/2/2019			100						88
4/3/2019				<10	72	66	430	120	
4/4/2019	170	30							
9/16/2019									
9/17/2019			120						
9/18/2019	160				110				96
9/19/2019		52		27		89	440	130	
3/16/2020									
3/17/2020			100						
3/18/2020	160	58		26		73			
3/19/2020					95		540	160	
5/4/2020									110
9/21/2020			92						
9/22/2020							600		
9/23/2020	150	50				90		150	94
9/24/2020				60	21				
3/8/2021									
3/9/2021									
3/10/2021			100						
3/11/2021		52			63		530		100
3/12/2021	130			27		78		130	
4/7/2021									
4/8/2021									
8/23/2021									
8/24/2021			110						
8/25/2021				32	53	110			
8/26/2021	150	60					550	170	94
1/11/2022									
1/12/2022									
2/28/2022			95						
3/1/2022									
3/3/2022	140	45		21	71		530	140	98
3/4/2022						89			
6/6/2022									
6/7/2022									
8/15/2022									
8/16/2022			110	33			580		
8/17/2022	140							150	93
8/18/2022					89	88			
8/19/2022		63							
2/14/2023									
2/15/2023	130		100					160	
2/16/2023		54		33	81	89	590		100
8/11/2023									
8/14/2023									
8/15/2023			110				680		
8/16/2023	150			33	84	92		110	100
8/17/2023		56							
2/13/2024			110				620		
2/14/2024						85		150	
2/15/2024	130	53			84				100

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-10	WGWA-4 (bg)	WGWC-11	WGWC-13	WGWC-12	WGWC-8	WGWC-9	WGWC-19
2/16/2024				31					
7/30/2024			100						
7/31/2024	140	56		35	85	92			97
8/1/2024							570	150	
8/2/2024									
2/10/2025									
2/11/2025			110	35		96	630	140	
2/12/2025					84				
2/13/2025	140	58							100

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
5/17/2016							
5/18/2016							
5/19/2016							
7/19/2016							
7/20/2016							
9/13/2016							
9/14/2016							
9/15/2016							
11/9/2016							
11/10/2016							
11/11/2016							
11/14/2016							
1/17/2017							
1/18/2017							
1/19/2017							
1/20/2017							
1/24/2017							
1/27/2017							
2/6/2017							
2/8/2017	54						
2/9/2017							
2/23/2017	78						
3/13/2017							
3/14/2017							
3/15/2017							
3/17/2017	56						
4/11/2017	76						
4/24/2017							
4/25/2017							
4/26/2017	76						
5/17/2017	68						
6/7/2017	72						
7/11/2017	68						
8/8/2017							
8/9/2017							
8/10/2017							
8/25/2017							
10/10/2017							
10/11/2017	68						
10/12/2017							
3/27/2018							
3/28/2018							
3/29/2018	48						
3/30/2018							
6/13/2018							
6/14/2018	52						
9/24/2018							
9/27/2018							
9/28/2018							
10/2/2018							
10/3/2018							
10/4/2018	130						

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
4/1/2019							
4/2/2019							
4/3/2019	31						
4/4/2019							
9/16/2019							
9/17/2019							
9/18/2019	33						
9/19/2019							
3/16/2020							
3/17/2020							
3/18/2020							
3/19/2020	18						
5/4/2020							
9/21/2020							
9/22/2020							
9/23/2020							
9/24/2020	24						
3/8/2021		590	220				
3/9/2021				370	79	610	200
3/10/2021							
3/11/2021	24						
3/12/2021							
4/7/2021				510	66	520	
4/8/2021		540	180				170
8/23/2021							
8/24/2021							
8/25/2021	30						
8/26/2021		720	200	420	88	480	240
1/11/2022			220	320	67	580	270
1/12/2022		1200					
2/28/2022							
3/1/2022							
3/3/2022	17			280		580	
3/4/2022		1100	200		69		260
6/6/2022				210	90	670	
6/7/2022		920	240				210
8/15/2022							
8/16/2022						530	
8/17/2022			210		85		
8/18/2022		760		140			
8/19/2022	26						190
2/14/2023							
2/15/2023			200	230	71		210
2/16/2023	27	960				630	
8/11/2023		910					
8/14/2023							
8/15/2023			180				
8/16/2023	29						
8/17/2023				150	73	690	180
2/13/2024		1200					
2/14/2024				180			210
2/15/2024	31		130		76	740	

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/11/2025 2:05 PM View: Appendix III Interwell
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-20	WGWC-25	WGWC-24	WGWC-23	WGWC-21	WGWC-22
2/16/2024							
7/30/2024							
7/31/2024		1200	210	120	81		
8/1/2024						630	
8/2/2024	31						170
2/10/2025							
2/11/2025							
2/12/2025	28	1300	170				150
2/13/2025				160	140	610	

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	WGWC-8	0.2014	203	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	WGWC-9	0.03737	139	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	WGWC-16	-0.7068	-197	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	WGWC-20	1.261	42	38	Yes	12	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-1 (bg)	0.04132	158	111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-18 (bg)	-1.273	-143	-111	Yes	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWC-8	8.14	258	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-2 (bg)	0.05277	128	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-5 (bg)	-0.09982	-140	-98	Yes	23	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-8	14.32	227	111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-16	-34.58	-202	-111	Yes	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-24	-23.69	-60	-38	Yes	12	0	n/a	0.01	NP
Fluoride (mg/L)	WGWA-18 (bg)	-0.01127	-174	-131	Yes	28	17.86	n/a	0.01	NP
Fluoride (mg/L)	WGWC-9	-0.1138	-273	-131	Yes	28	0	n/a	0.01	NP
Fluoride (mg/L)	WGWC-15	-0.02055	-158	-131	Yes	28	0	n/a	0.01	NP
pH, Field (SU)	WGWA-2 (bg)	-0.03387	-149	-131	Yes	28	0	n/a	0.01	NP
pH, Field (SU)	WGWA-18 (bg)	-0.1363	-168	-131	Yes	28	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-4 (bg)	0.2872	143	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-18 (bg)	-0.5169	-119	-111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-8	12.45	212	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-16	-66.74	-189	-111	Yes	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-1 (bg)	2.937	147	111	Yes	25	16	n/a	0.01	NP
TDS (mg/L)	WGWC-8	40.52	246	111	Yes	25	0	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	WGWA-1 (bg)	0	-15	-105	No	24	95.83	n/a	0.01	NP
Boron (mg/L)	WGWA-2 (bg)	0	-40	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	WGWA-3 (bg)	0	0	105	No	24	100	n/a	0.01	NP
Boron (mg/L)	WGWA-4 (bg)	0	0	105	No	24	100	n/a	0.01	NP
Boron (mg/L)	WGWA-5 (bg)	0	-17	-92	No	22	95.45	n/a	0.01	NP
Boron (mg/L)	WGWA-6 (bg)	0	0	105	No	24	100	n/a	0.01	NP
Boron (mg/L)	WGWA-7 (bg)	0	-15	-105	No	24	95.83	n/a	0.01	NP
Boron (mg/L)	WGWA-18 (bg)	0	20	105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	**WGWC-8**	**0.2014**	**203**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**WGWC-9**	**0.03737**	**139**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**WGWC-16**	**-0.7068**	**-197**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**WGWC-20**	**1.261**	**42**	**38**	**Yes**	**12**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	WGWC-21	0	-6	-38	No	12	0	n/a	0.01	NP
Boron (mg/L)	WGWC-22	-0.004949	-13	-38	No	12	0	n/a	0.01	NP
Boron (mg/L)	WGWC-24	-0.3234	-38	-38	No	12	0	n/a	0.01	NP
Boron (mg/L)	WGWC-25	0.003646	0	38	No	12	0	n/a	0.01	NP
Calcium (mg/L)	**WGWA-1 (bg)**	**0.04132**	**158**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	WGWA-2 (bg)	0	-31	-111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-3 (bg)	0	8	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-4 (bg)	0	35	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-5 (bg)	-0.03453	-24	-98	No	23	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-6 (bg)	0.1608	61	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	WGWA-7 (bg)	0.04064	40	111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**WGWA-18 (bg)**	**-1.273**	**-143**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**WGWC-8**	**8.14**	**258**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	WGWC-20	32.6	37	38	No	12	0	n/a	0.01	NP
Calcium (mg/L)	WGWC-21	2.441	22	38	No	12	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-1 (bg)	0.04698	97	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**WGWA-2 (bg)**	**0.05277**	**128**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWA-3 (bg)	0	-2	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-4 (bg)	0	-36	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**WGWA-5 (bg)**	**-0.09982**	**-140**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWA-6 (bg)	0	37	111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-7 (bg)	0	-1	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	WGWA-18 (bg)	-0.04403	-85	-111	No	25	0	n/a	0.01	NP
Chloride (mg/L)	**WGWC-8**	**14.32**	**227**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**WGWC-16**	**-34.58**	**-202**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWC-20	59.6	33	38	No	12	0	n/a	0.01	NP
Chloride (mg/L)	WGWC-21	0	2	38	No	12	0	n/a	0.01	NP
Chloride (mg/L)	**WGWC-24**	**-23.69**	**-60**	**-38**	**Yes**	**12**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	WGWC-25	-8.743	-21	-38	No	12	0	n/a	0.01	NP
Fluoride (mg/L)	WGWA-1 (bg)	0	5	131	No	28	78.57	n/a	0.01	NP
Fluoride (mg/L)	WGWA-2 (bg)	-0.003519	-93	-131	No	28	39.29	n/a	0.01	NP
Fluoride (mg/L)	WGWA-3 (bg)	0	-24	-131	No	28	67.86	n/a	0.01	NP
Fluoride (mg/L)	WGWA-4 (bg)	-0.004866	-127	-131	No	28	3.571	n/a	0.01	NP
Fluoride (mg/L)	WGWA-5 (bg)	0	32	118	No	26	88.46	n/a	0.01	NP
Fluoride (mg/L)	WGWA-6 (bg)	-0.002058	-80	-131	No	28	10.71	n/a	0.01	NP
Fluoride (mg/L)	WGWA-7 (bg)	0	-1	-131	No	28	78.57	n/a	0.01	NP
Fluoride (mg/L)	**WGWA-18 (bg)**	**-0.01127**	**-174**	**-131**	**Yes**	**28**	**17.86**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**WGWC-9**	**-0.1138**	**-273**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	**WGWC-15**	**-0.02055**	**-158**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	WGWA-1 (bg)	-0.01038	-62	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**WGWA-2 (bg)**	**-0.03387**	**-149**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	WGWA-3 (bg)	-0.02045	-128	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	WGWA-4 (bg)	0.03418	52	131	No	28	0	n/a	0.01	NP

Appendix III Trend Tests - All Results

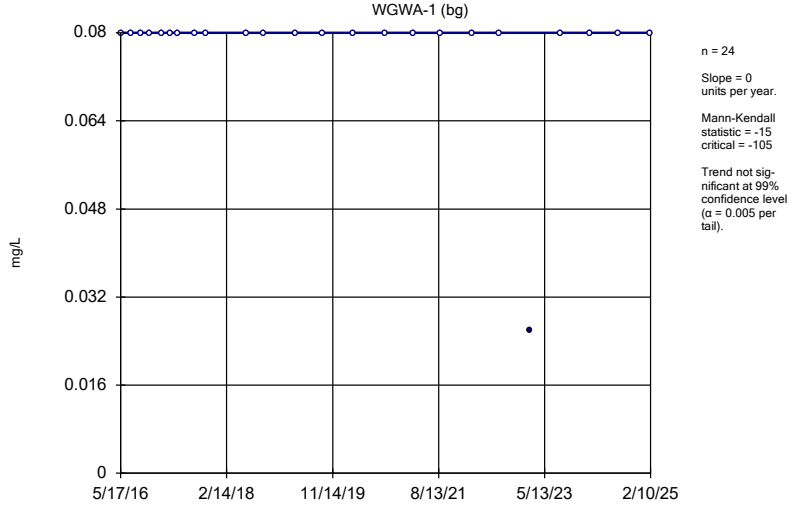
Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
pH, Field (SU)	WGWA-5 (bg)	-0.01322	-27	-118	No	26	0	n/a	0.01	NP
pH, Field (SU)	WGWA-6 (bg)	0.03358	111	124	No	27	0	n/a	0.01	NP
pH, Field (SU)	WGWA-7 (bg)	-0.01299	-43	-131	No	28	0	n/a	0.01	NP
pH, Field (SU)	**WGWA-18 (bg)**	**-0.1363**	**-168**	**-131**	**Yes**	**28**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	WGWC-24	0.0504	27	38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-1 (bg)	0	-7	-111	No	25	92	n/a	0.01	NP
Sulfate (mg/L)	WGWA-2 (bg)	-0.03802	-74	-111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-3 (bg)	-0.006092	-26	-111	No	25	8	n/a	0.01	NP
Sulfate (mg/L)	**WGWA-4 (bg)**	**0.2872**	**143**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	WGWA-5 (bg)	0.028	28	98	No	23	21.74	n/a	0.01	NP
Sulfate (mg/L)	WGWA-6 (bg)	-0.1016	-81	-111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	WGWA-7 (bg)	0	-48	-111	No	25	68	n/a	0.01	NP
Sulfate (mg/L)	**WGWA-18 (bg)**	**-0.5169**	**-119**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**WGWC-8**	**12.45**	**212**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	WGWC-9	1.781	95	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**WGWC-16**	**-66.74**	**-189**	**-111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	WGWC-20	36.35	28	38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-21	41.32	37	38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-22	-12.21	-20	-38	No	12	0	n/a	0.01	NP
Sulfate (mg/L)	WGWC-24	-28.75	-37	-38	No	12	0	n/a	0.01	NP
TDS (mg/L)	**WGWA-1 (bg)**	**2.937**	**147**	**111**	**Yes**	**25**	**16**	**n/a**	**0.01**	**NP**
TDS (mg/L)	WGWA-2 (bg)	3.321	83	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-3 (bg)	1.576	99	111	No	25	4	n/a	0.01	NP
TDS (mg/L)	WGWA-4 (bg)	1.154	73	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-5 (bg)	2.455	47	98	No	23	13.04	n/a	0.01	NP
TDS (mg/L)	WGWA-6 (bg)	1.835	79	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	WGWA-7 (bg)	2.579	86	111	No	25	12	n/a	0.01	NP
TDS (mg/L)	WGWA-18 (bg)	-4.064	-91	-111	No	25	0	n/a	0.01	NP
TDS (mg/L)	**WGWC-8**	**40.52**	**246**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	WGWC-20	164.4	37	38	No	12	0	n/a	0.01	NP
TDS (mg/L)	WGWC-21	35.29	27	38	No	12	0	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -15
critical = -105

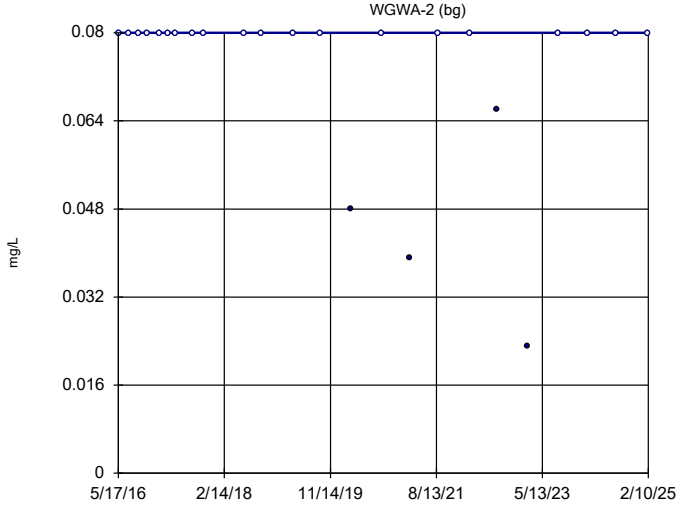
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-2 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -40
critical = -105

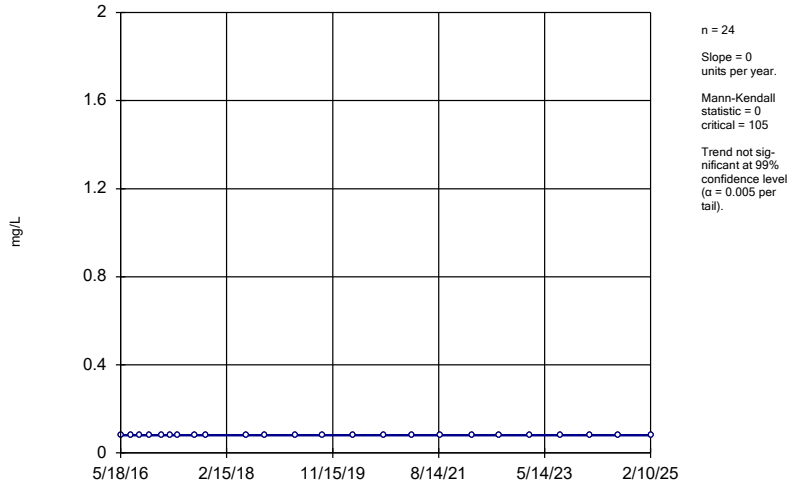
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-3 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 105

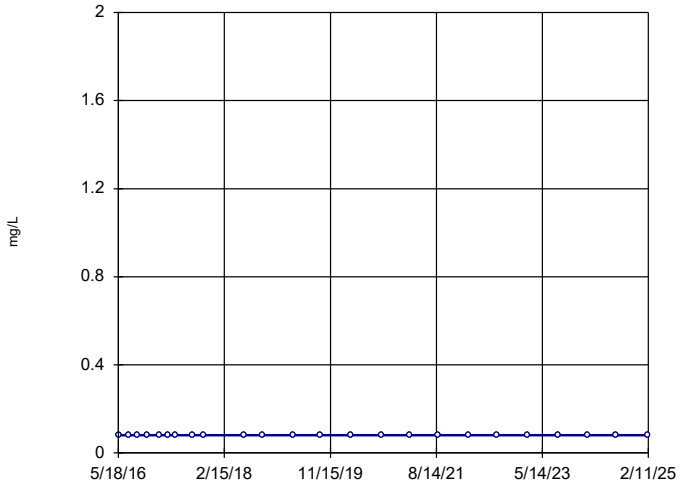
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-4 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 105

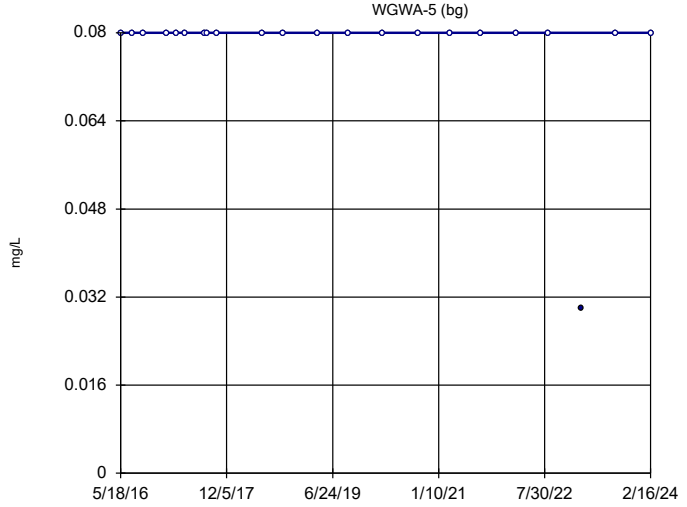
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-5 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = -17 critical = -92

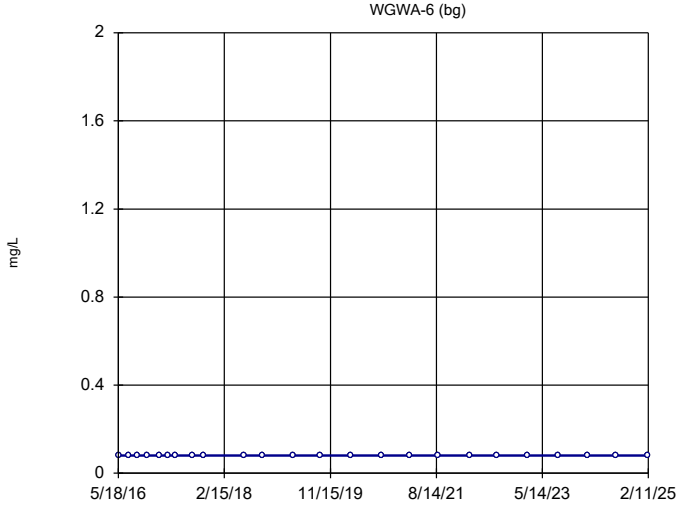
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-6 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 105

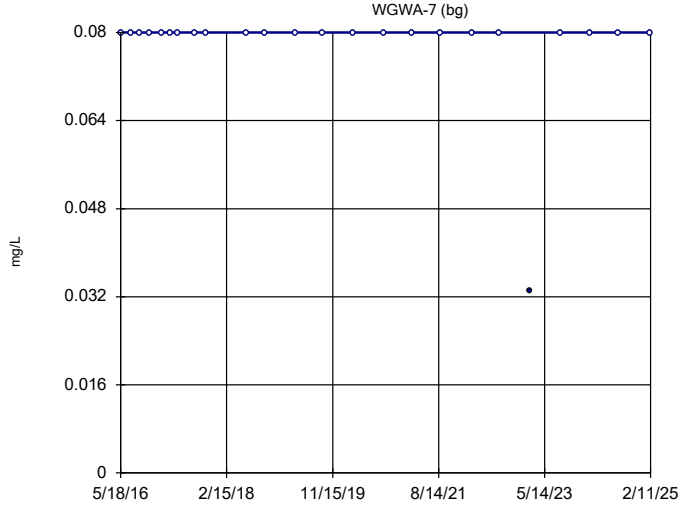
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-7 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -15 critical = -105

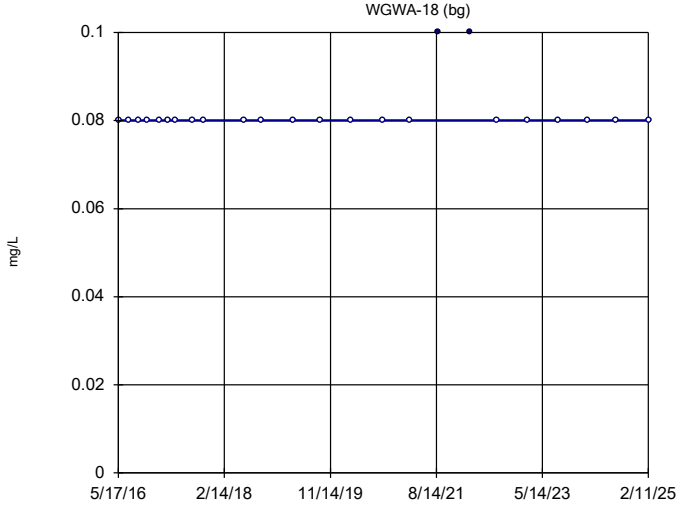
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-18 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 20 critical = 105

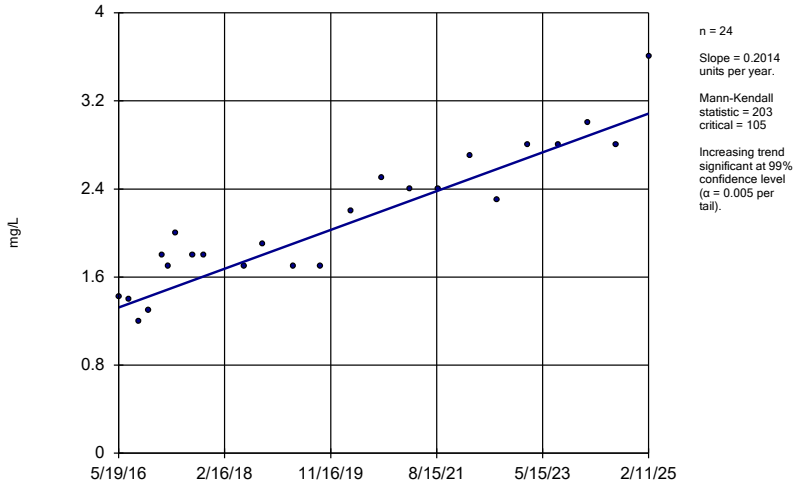
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-8



n = 24

Slope = 0.2014 units per year.

Mann-Kendall statistic = 203
critical = 105

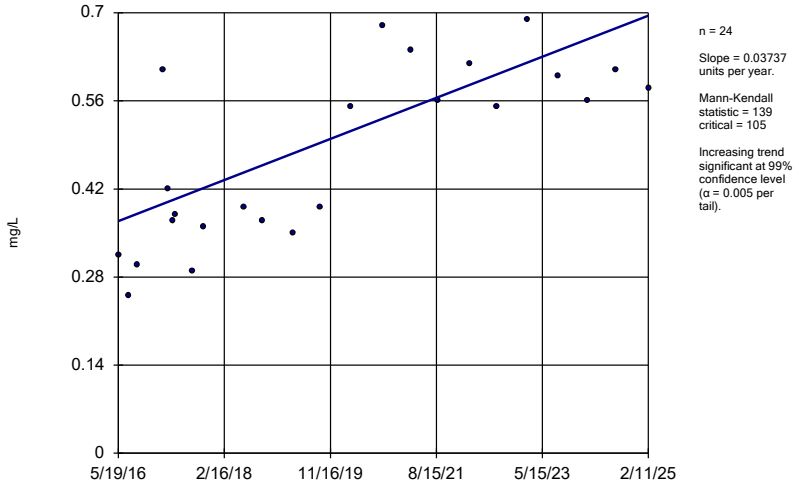
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-9



n = 24

Slope = 0.03737 units per year.

Mann-Kendall statistic = 139
critical = 105

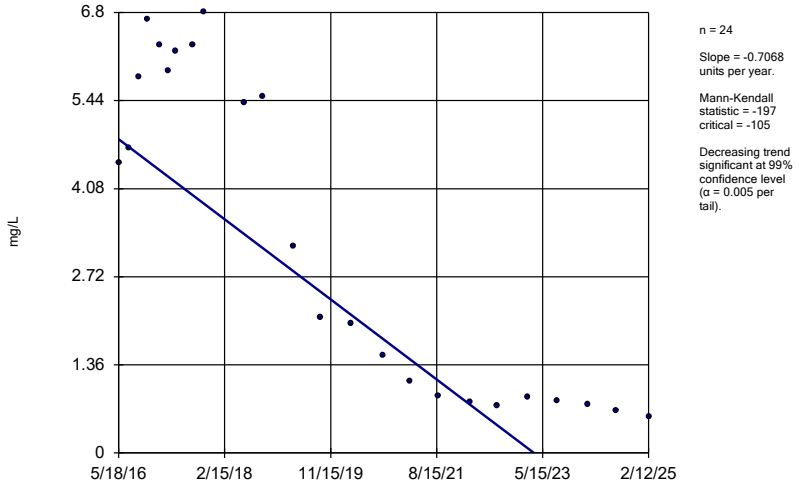
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-16



n = 24

Slope = -0.7068 units per year.

Mann-Kendall statistic = -197
critical = -105

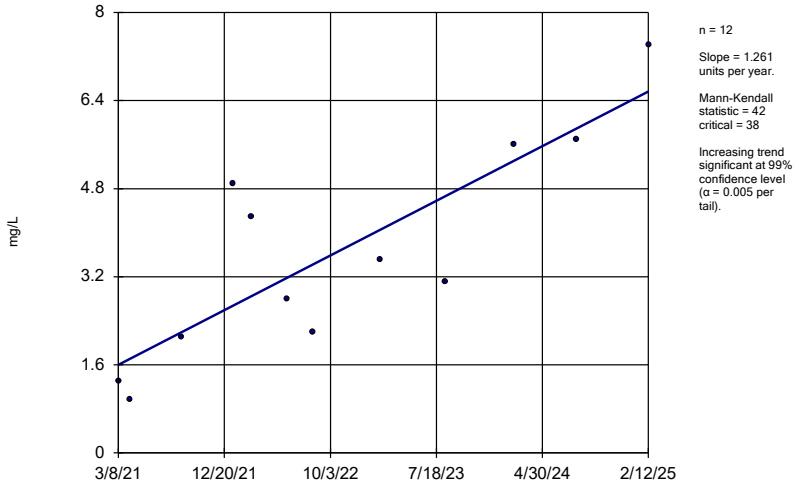
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-20



n = 12

Slope = 1.261 units per year.

Mann-Kendall statistic = 42
critical = 38

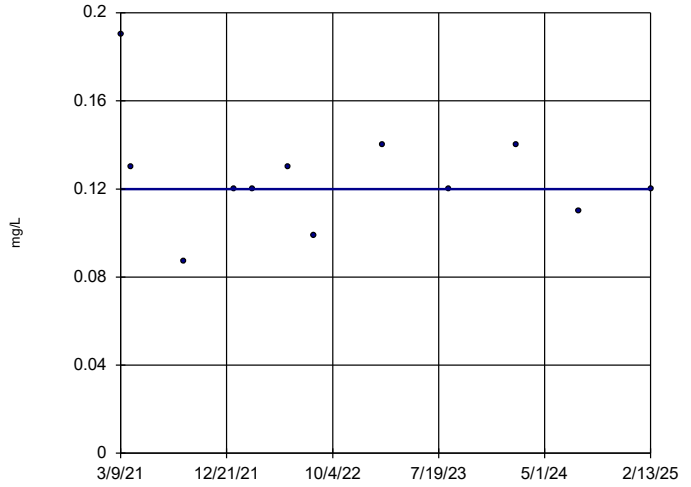
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-21



n = 12

Slope = 0 units per year.

Mann-Kendall statistic = -6
critical = -38

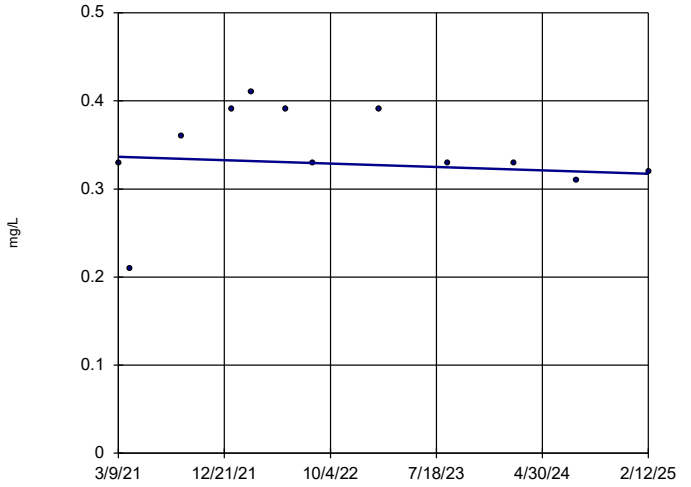
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-22



n = 12

Slope = -0.004949 units per year.

Mann-Kendall statistic = -13
critical = -38

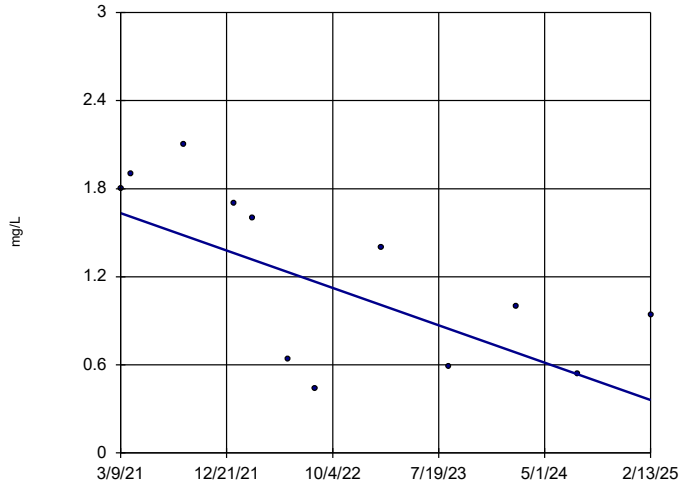
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-24



n = 12

Slope = -0.3234 units per year.

Mann-Kendall statistic = -38
critical = -38

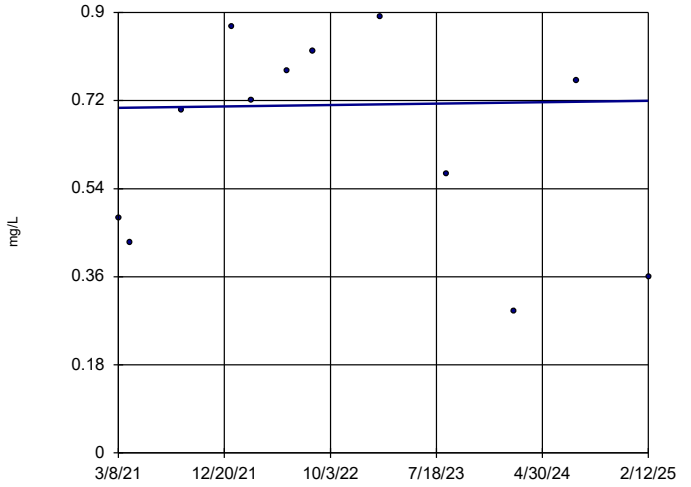
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-25



n = 12

Slope = 0.003646 units per year.

Mann-Kendall statistic = 0
critical = 38

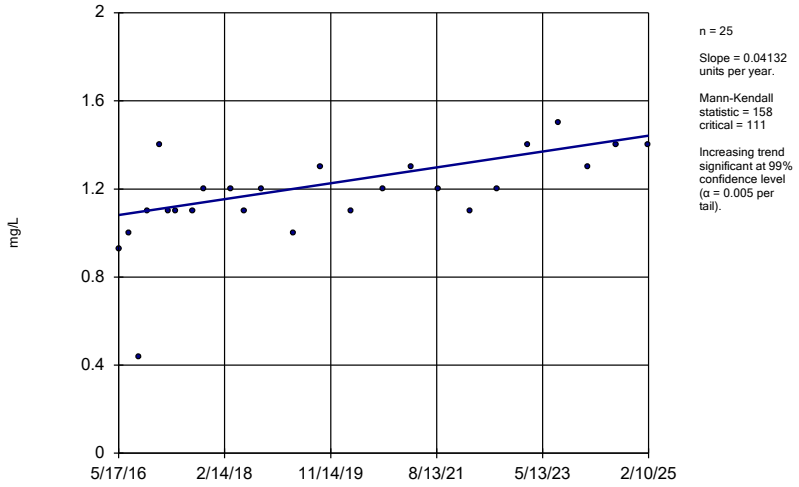
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-1 (bg)



n = 25

Slope = 0.04132 units per year.

Mann-Kendall statistic = 158 critical = 111

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

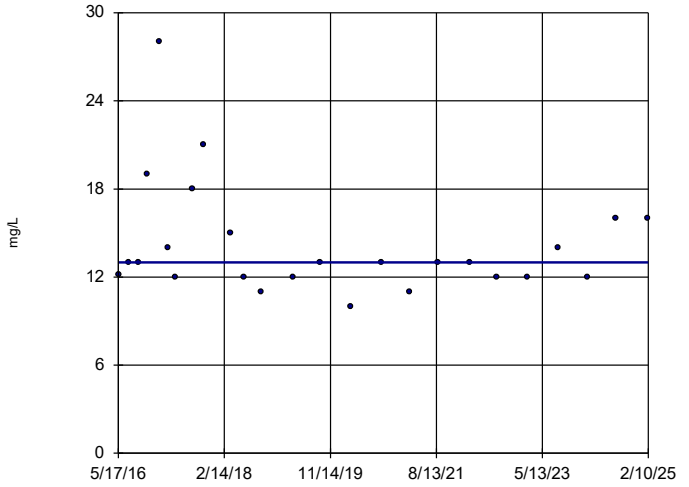
Constituent: Calcium Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-2 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -31 critical = -111

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

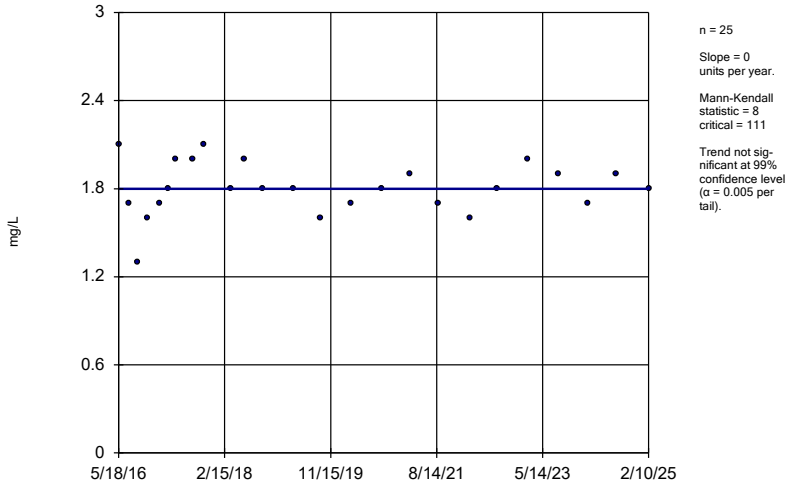
Constituent: Calcium Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-3 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 8 critical = 111

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

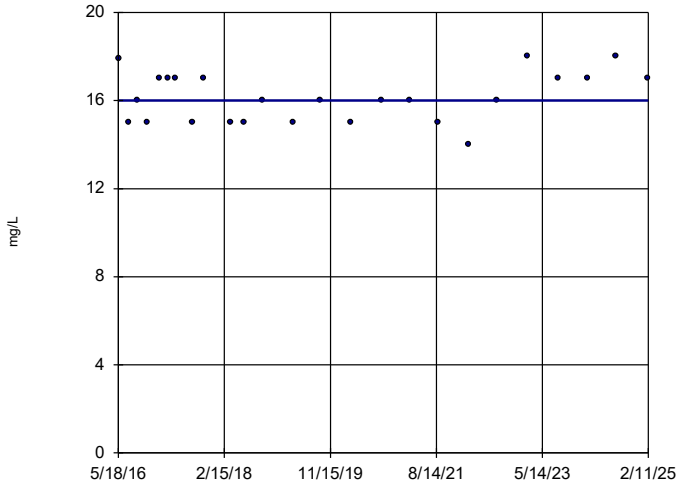
Constituent: Calcium Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-4 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 35 critical = 111

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

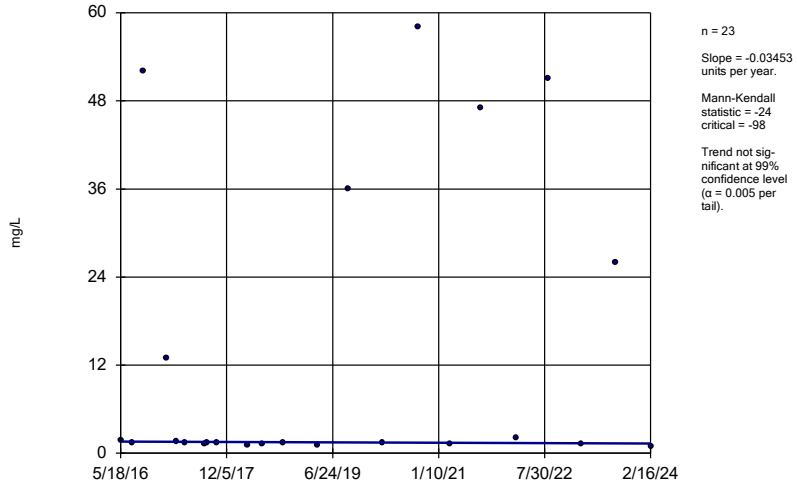
Constituent: Calcium Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-5 (bg)



n = 23

Slope = -0.03453 units per year.

Mann-Kendall statistic = -24
critical = -98

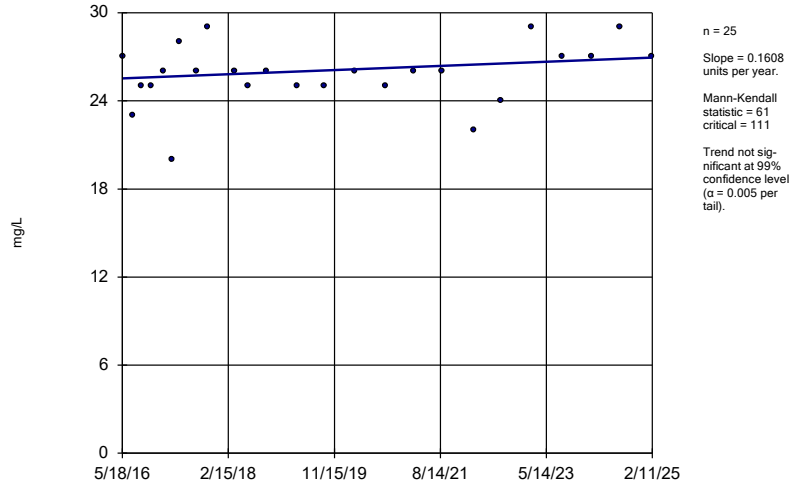
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/11/2025 2:06 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-6 (bg)



n = 25

Slope = 0.1608 units per year.

Mann-Kendall statistic = 61
critical = 111

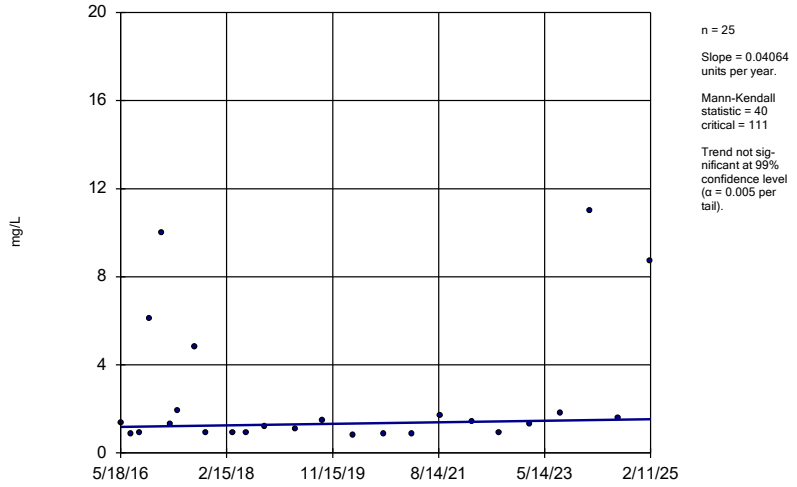
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-7 (bg)



n = 25

Slope = 0.04064 units per year.

Mann-Kendall statistic = 40
critical = 111

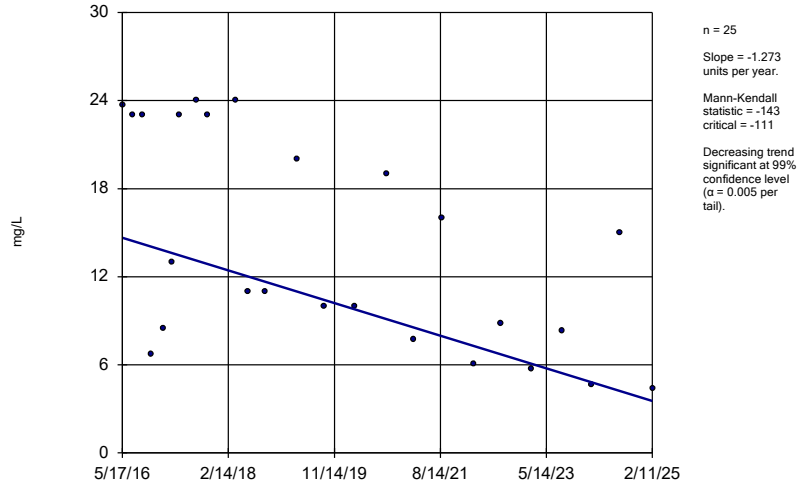
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-18 (bg)



n = 25

Slope = -1.273 units per year.

Mann-Kendall statistic = -143
critical = -111

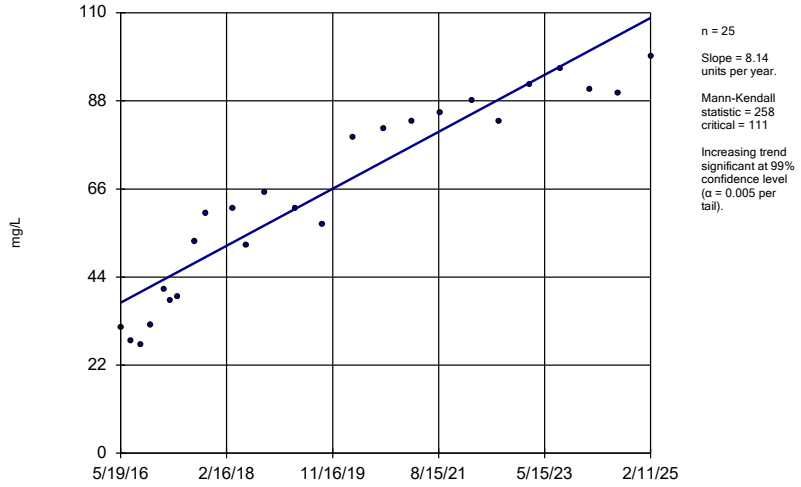
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-8



n = 25

Slope = 8.14 units per year.

Mann-Kendall statistic = 258 critical = 111

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

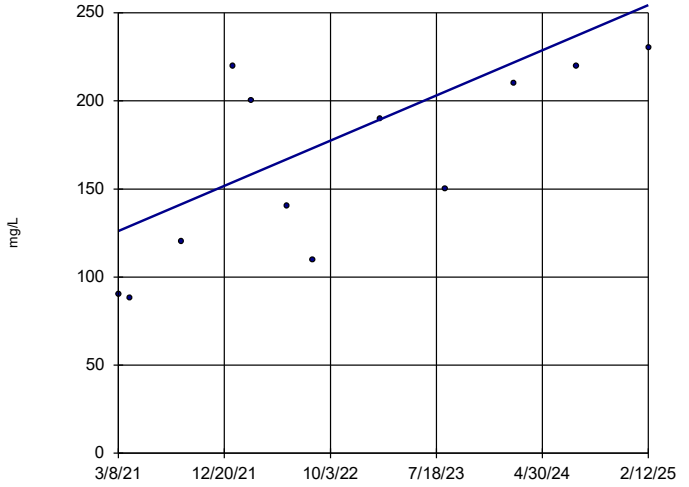
Constituent: Calcium Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-20



n = 12

Slope = 32.6 units per year.

Mann-Kendall statistic = 37 critical = 38

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

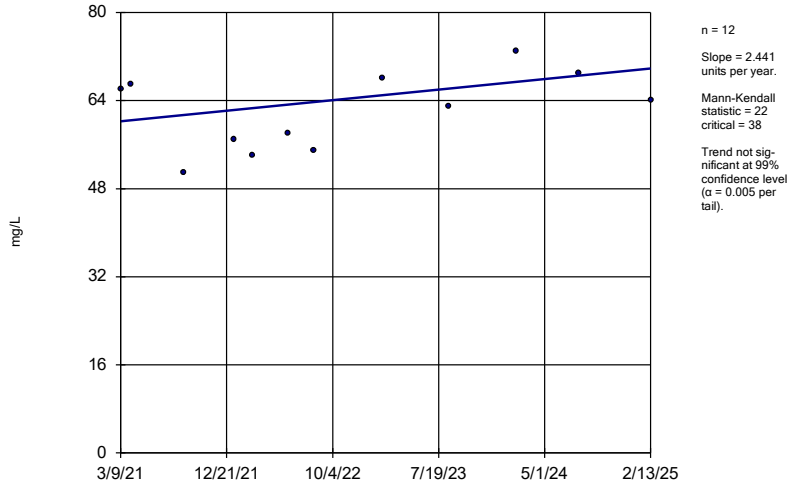
Constituent: Calcium Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-21



n = 12

Slope = 2.441 units per year.

Mann-Kendall statistic = 22 critical = 38

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

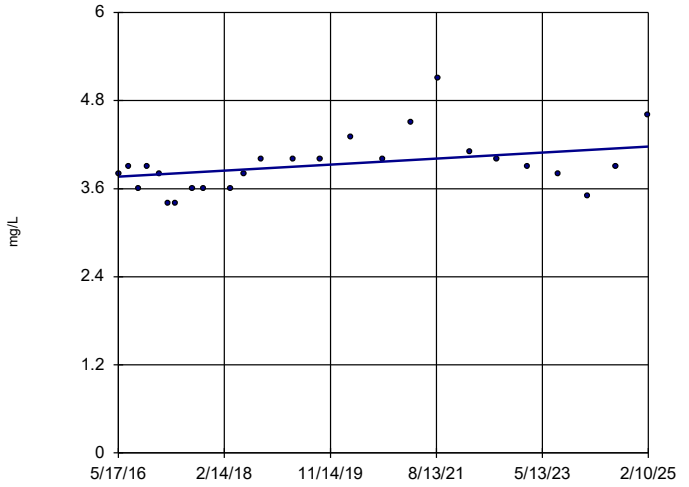
Constituent: Calcium Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-1 (bg)



n = 25

Slope = 0.04698 units per year.

Mann-Kendall statistic = 97 critical = 111

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

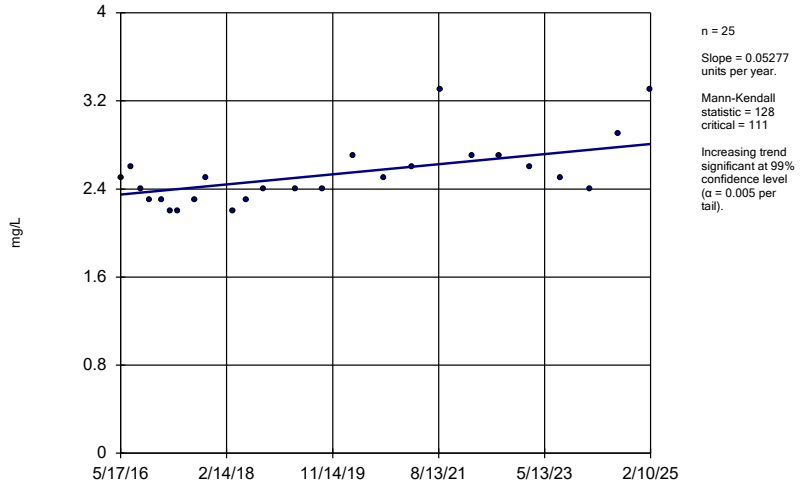
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-2 (bg)



n = 25

Slope = 0.05277 units per year.

Mann-Kendall statistic = 128
critical = 111

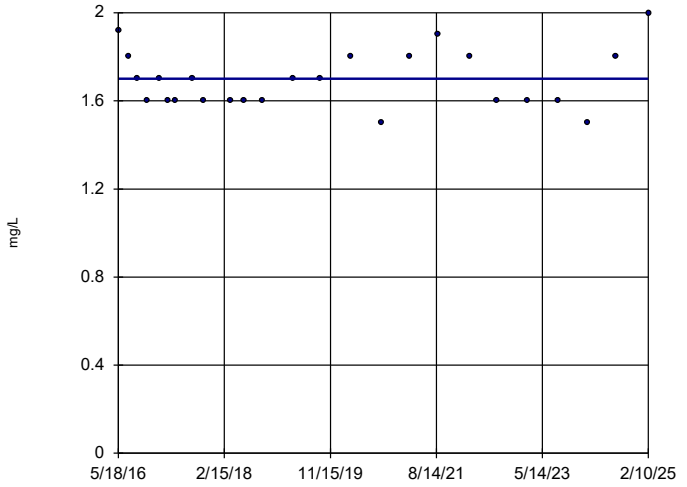
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-3 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -2
critical = -111

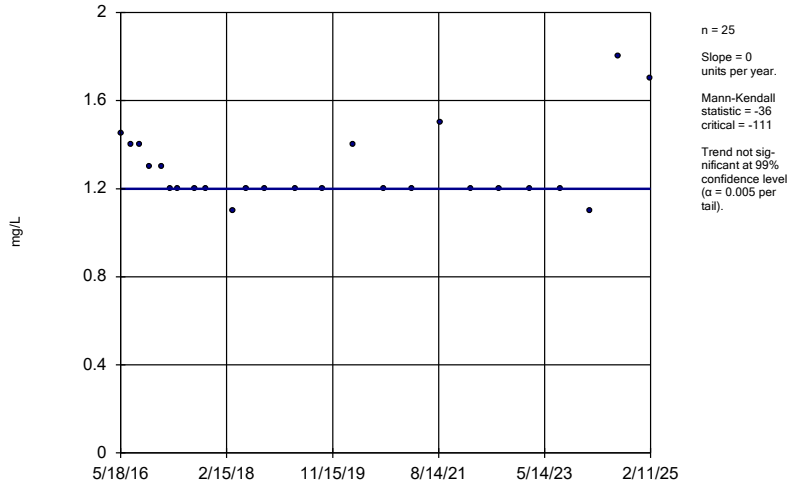
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-4 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -36
critical = -111

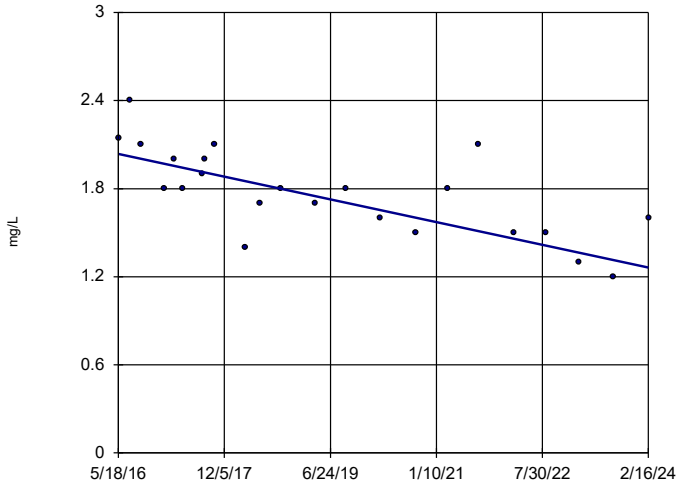
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-5 (bg)



n = 23

Slope = -0.09982 units per year.

Mann-Kendall statistic = -140
critical = -98

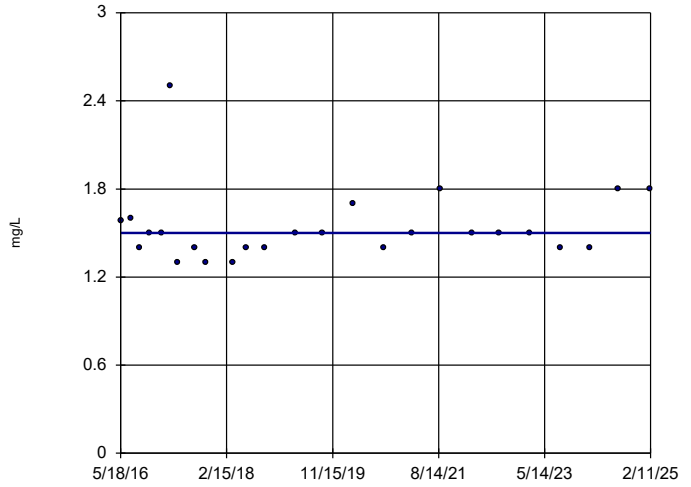
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-6 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 37 critical = 111

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

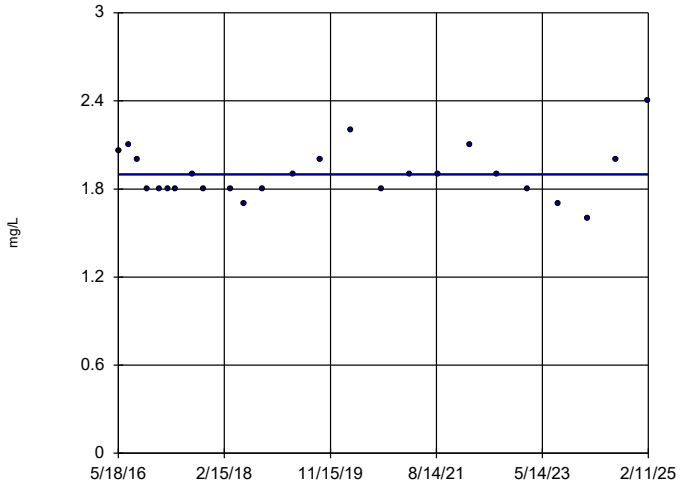
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-7 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -111

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

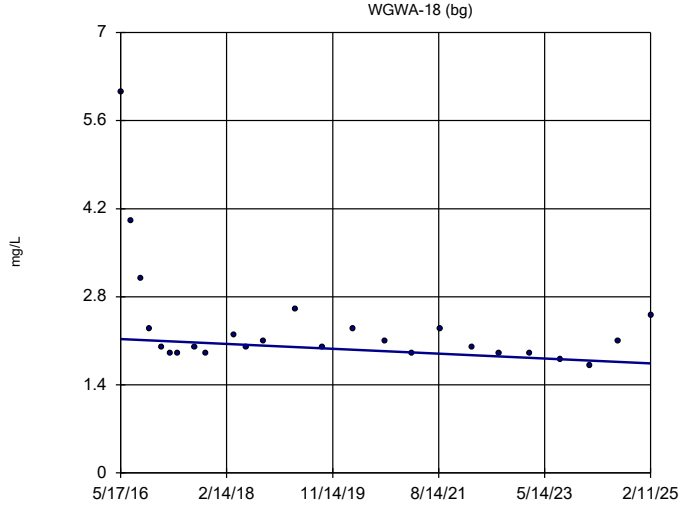
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-18 (bg)



n = 25

Slope = -0.04403 units per year.

Mann-Kendall statistic = -85 critical = -111

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

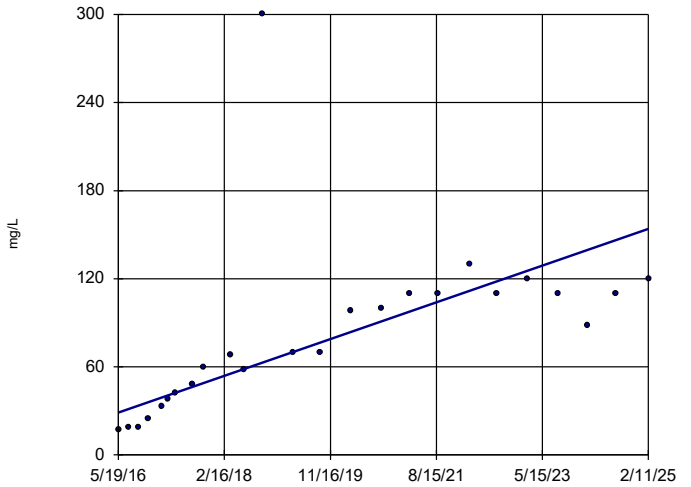
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-8



n = 25

Slope = 14.32 units per year.

Mann-Kendall statistic = 227 critical = 111

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

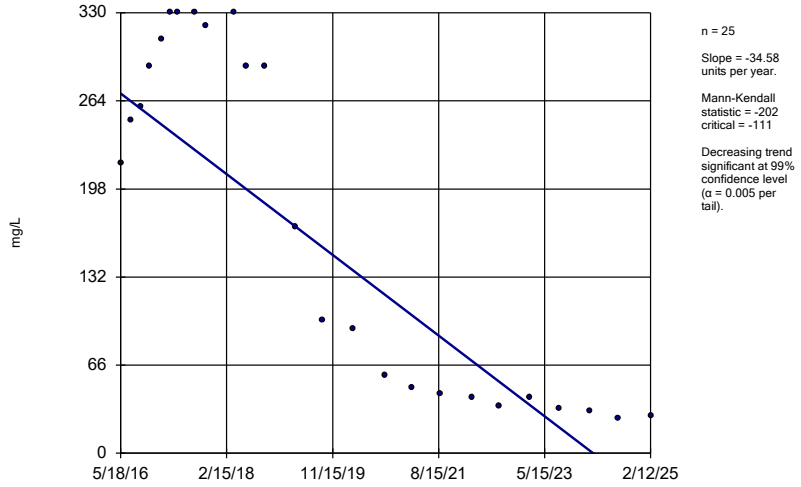
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-16



n = 25

Slope = -34.58 units per year.

Mann-Kendall statistic = -202 critical = -111

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

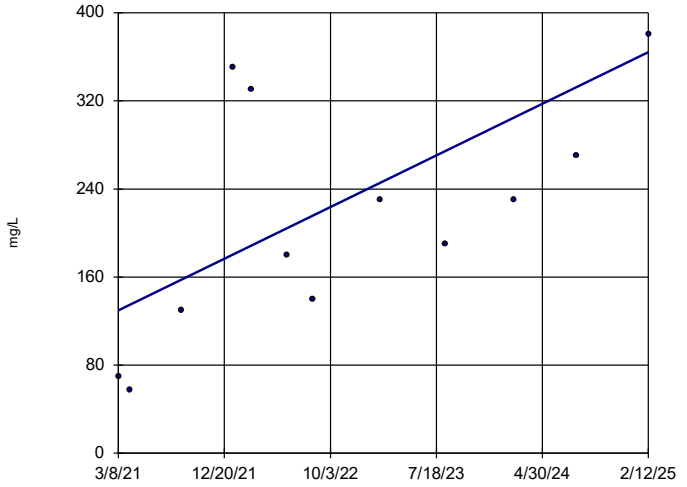
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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-20



n = 12

Slope = 59.6 units per year.

Mann-Kendall statistic = 33 critical = 38

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

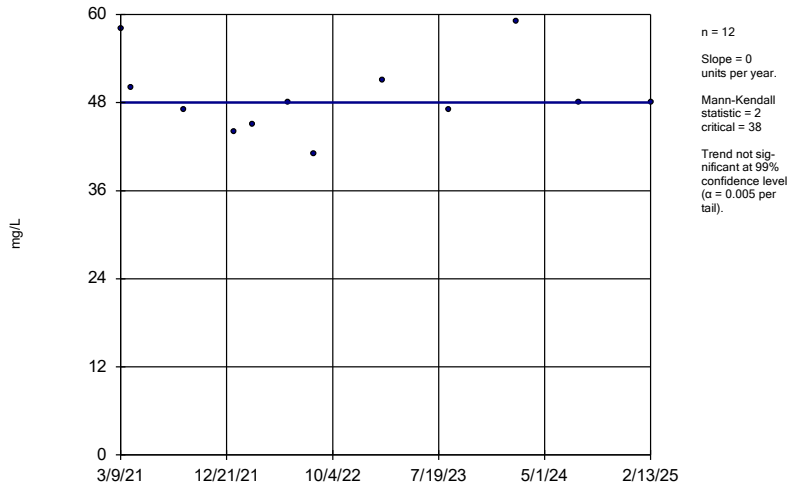
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-21



n = 12

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 38

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

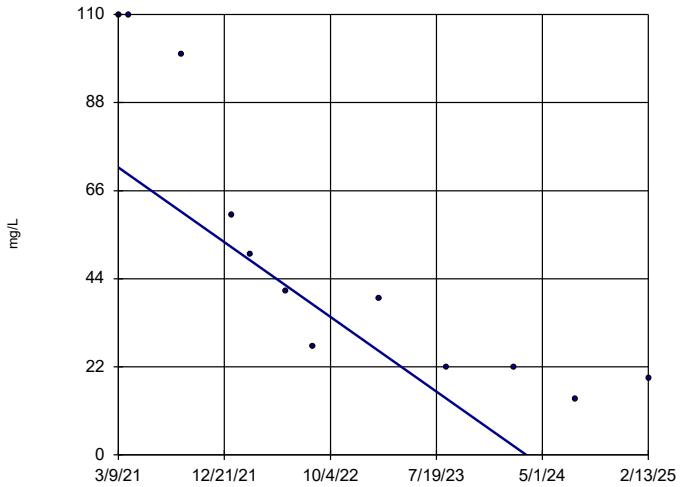
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-24



n = 12

Slope = -23.69 units per year.

Mann-Kendall statistic = -60 critical = -38

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

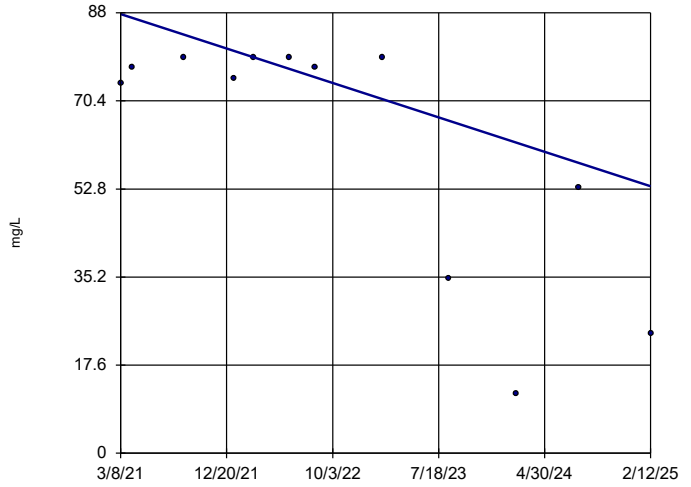
Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-25



n = 12

Slope = -8.743 units per year.

Mann-Kendall statistic = -21
critical = -38

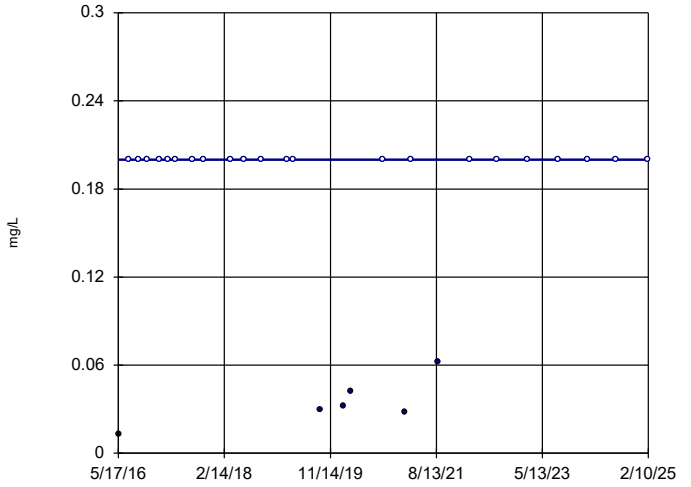
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 131

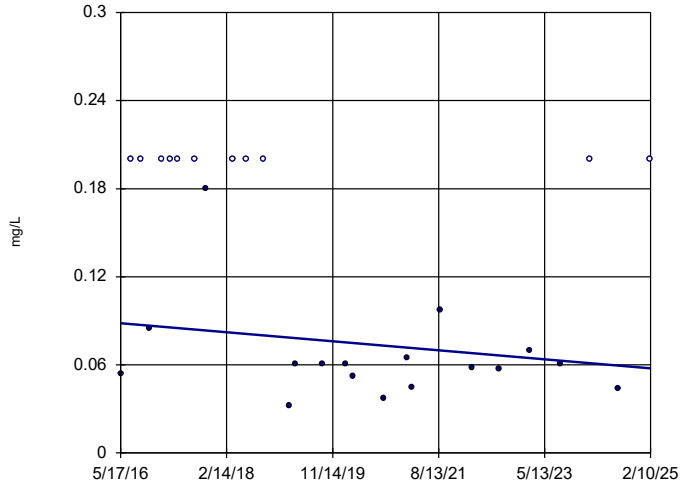
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-2 (bg)



n = 28

Slope = -0.003519 units per year.

Mann-Kendall statistic = -93
critical = -131

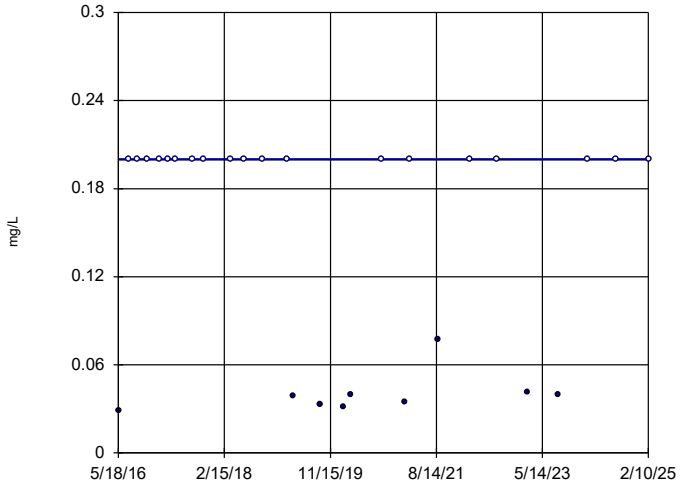
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-3 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -24
critical = -131

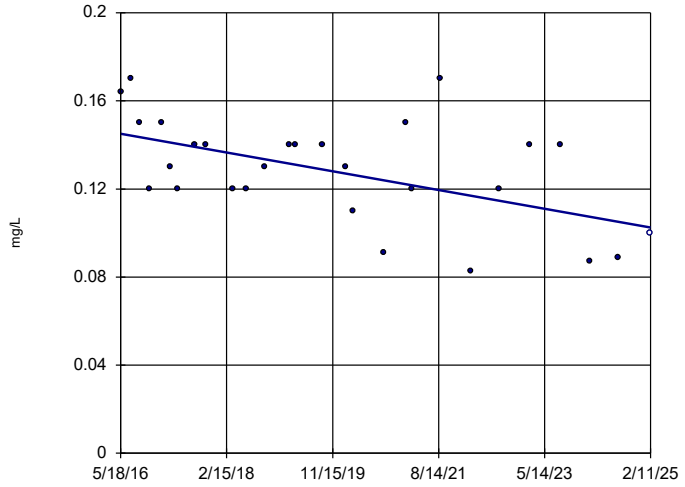
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-4 (bg)



n = 28

Slope = -0.004866 units per year.

Mann-Kendall statistic = -127
critical = -131

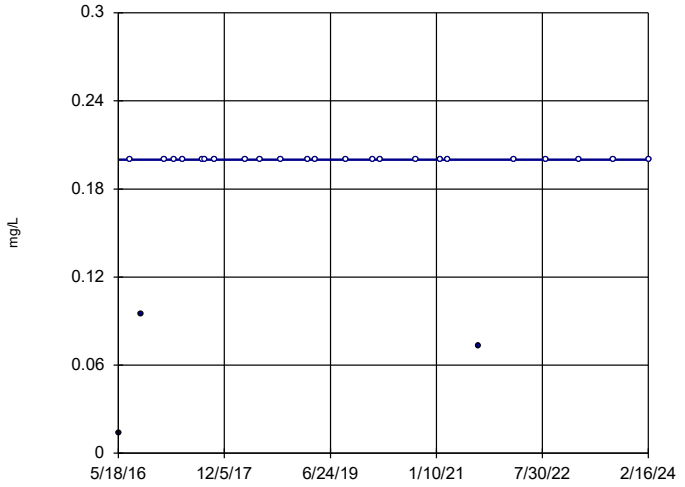
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-5 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 32
critical = 118

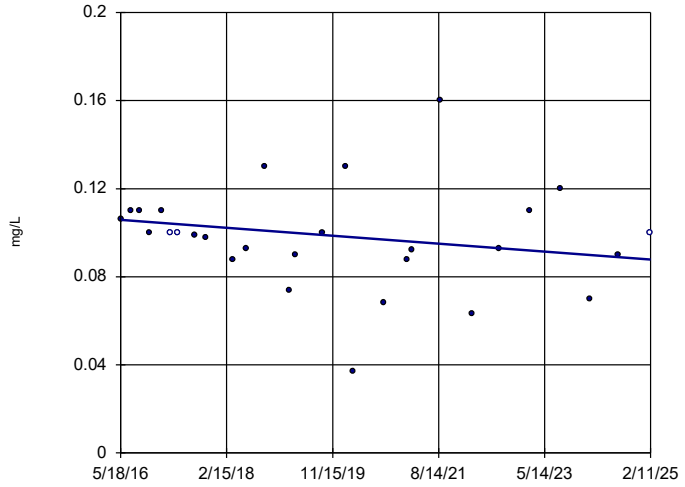
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-6 (bg)



n = 28

Slope = -0.002058 units per year.

Mann-Kendall statistic = -80
critical = -131

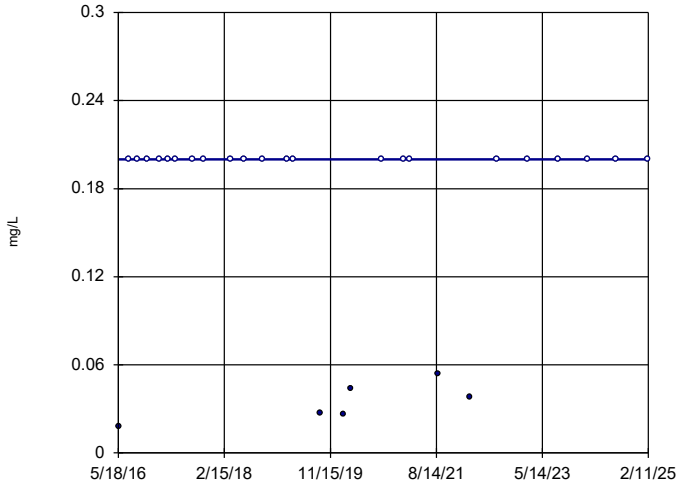
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-7 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -131

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

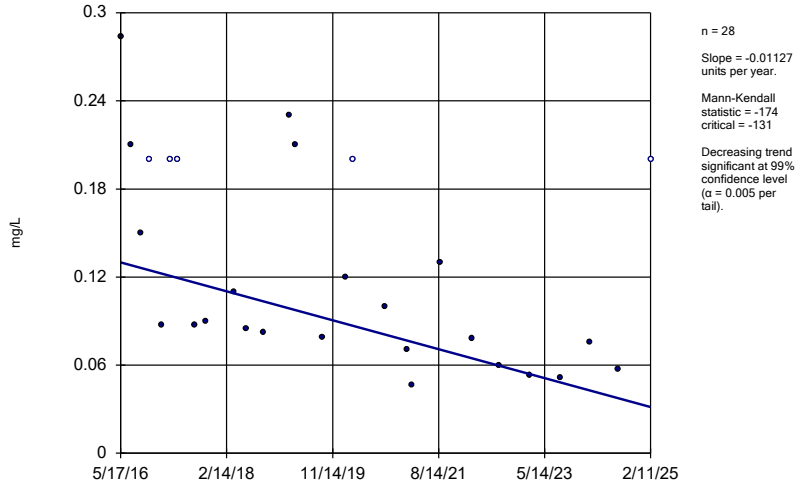
Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-18 (bg)



n = 28

Slope = -0.01127 units per year.

Mann-Kendall statistic = -174 critical = -131

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

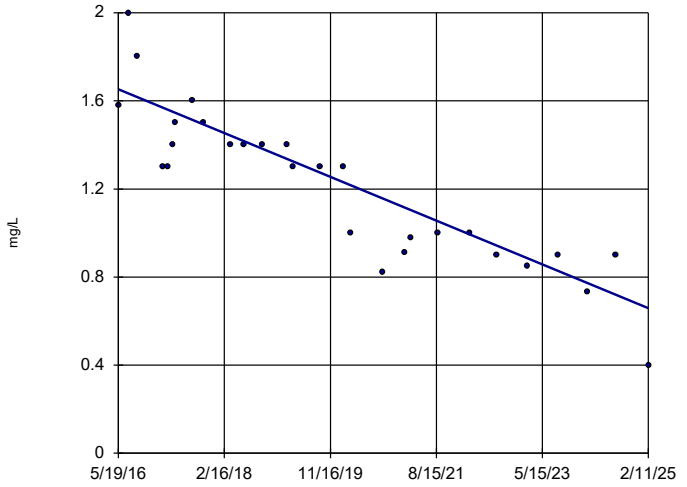
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Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-9



n = 28

Slope = -0.1138 units per year.

Mann-Kendall statistic = -273 critical = -131

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

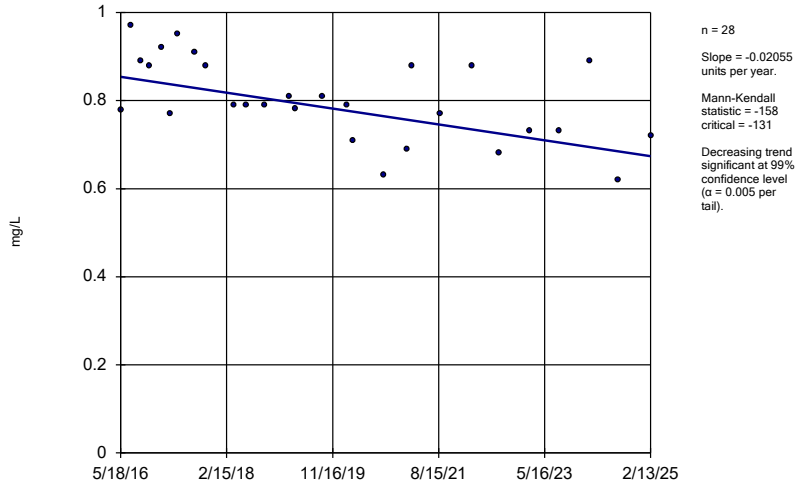
Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-15



n = 28

Slope = -0.02055 units per year.

Mann-Kendall statistic = -158 critical = -131

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

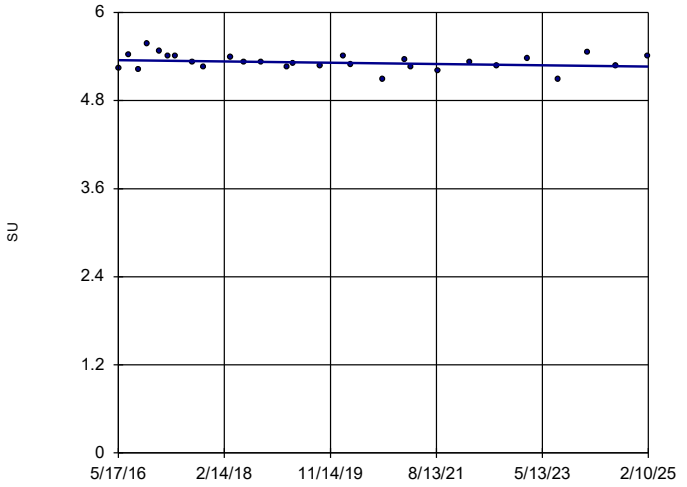
Constituent: Fluoride Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-1 (bg)



n = 28

Slope = -0.01038 units per year.

Mann-Kendall statistic = -62 critical = -131

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

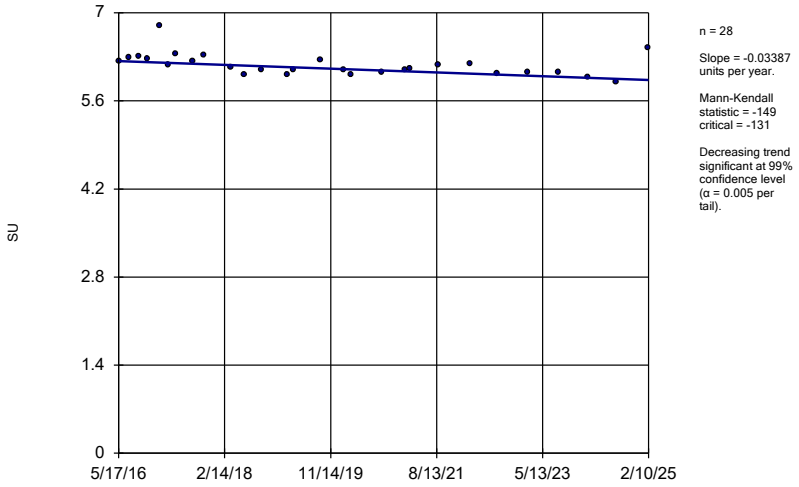
Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-2 (bg)



n = 28

Slope = -0.03387 units per year.

Mann-Kendall statistic = -149
critical = -131

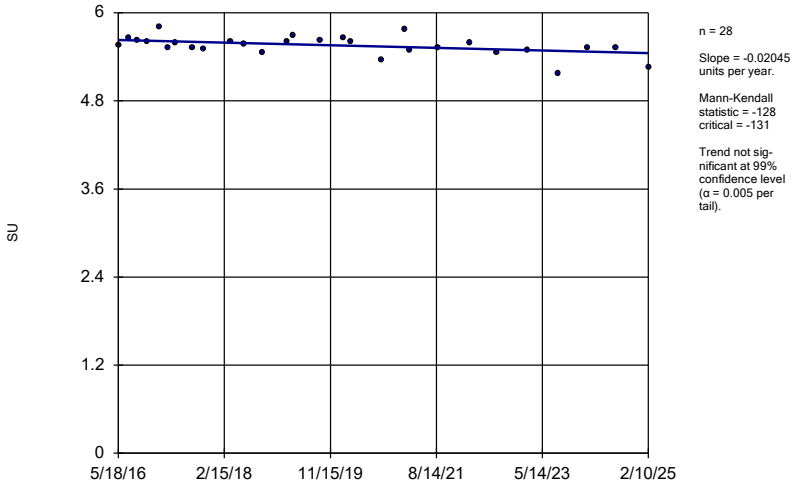
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-3 (bg)



n = 28

Slope = -0.02045 units per year.

Mann-Kendall statistic = -128
critical = -131

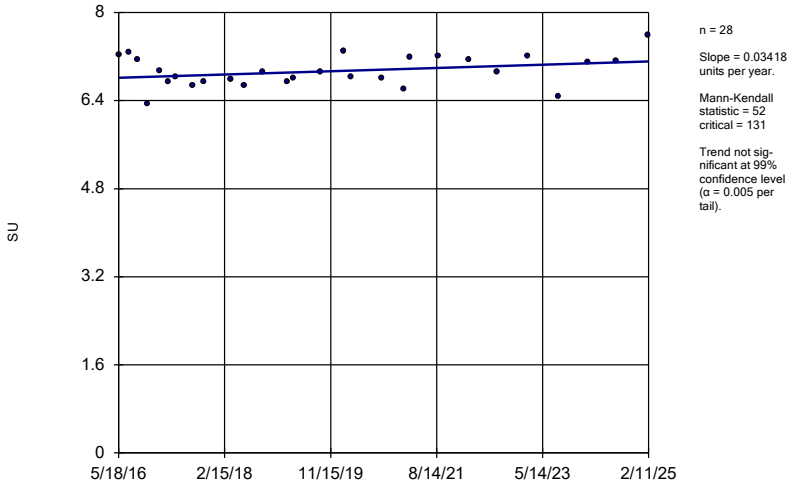
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-4 (bg)



n = 28

Slope = 0.03418 units per year.

Mann-Kendall statistic = 52
critical = 131

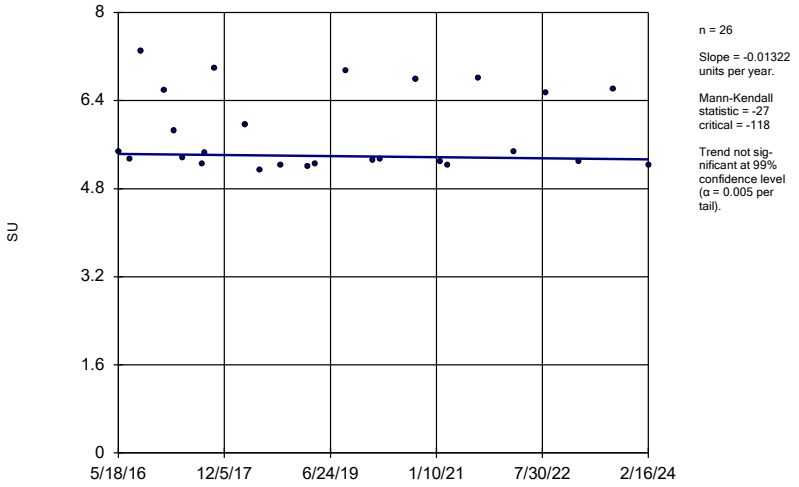
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-5 (bg)



n = 26

Slope = -0.01322 units per year.

Mann-Kendall statistic = -27
critical = -118

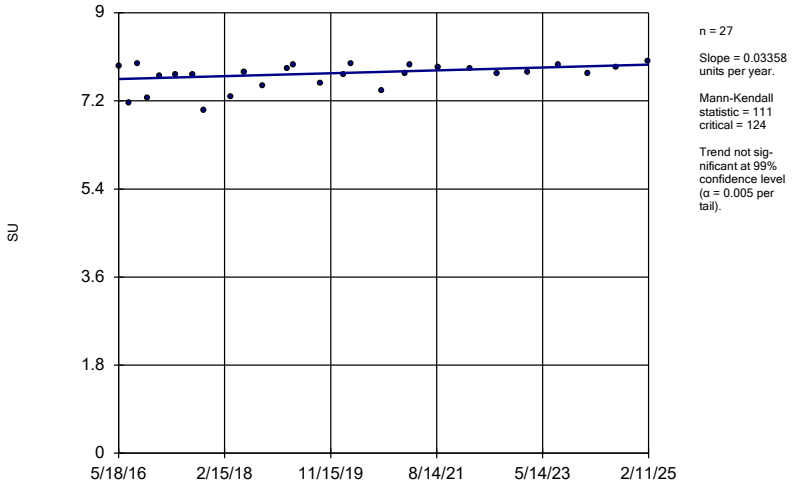
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-6 (bg)



n = 27

Slope = 0.03358 units per year.

Mann-Kendall statistic = 111 critical = 124

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

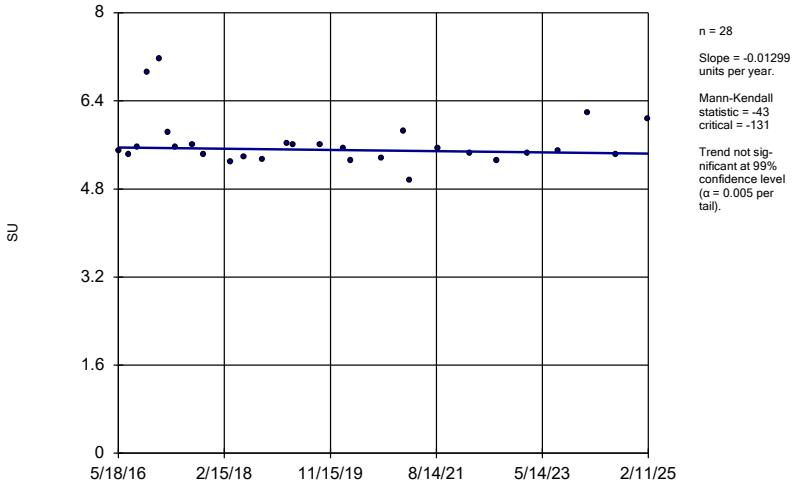
Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-7 (bg)



n = 28

Slope = -0.01299 units per year.

Mann-Kendall statistic = -43 critical = -131

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

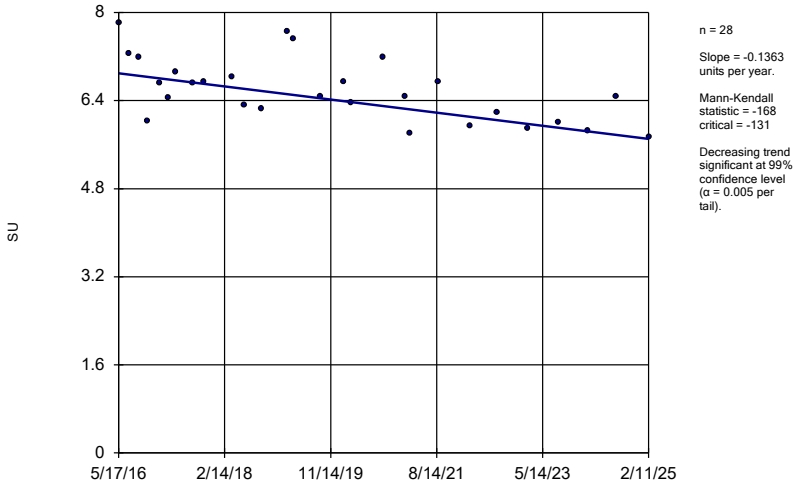
Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-18 (bg)



n = 28

Slope = -0.1363 units per year.

Mann-Kendall statistic = -168 critical = -131

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

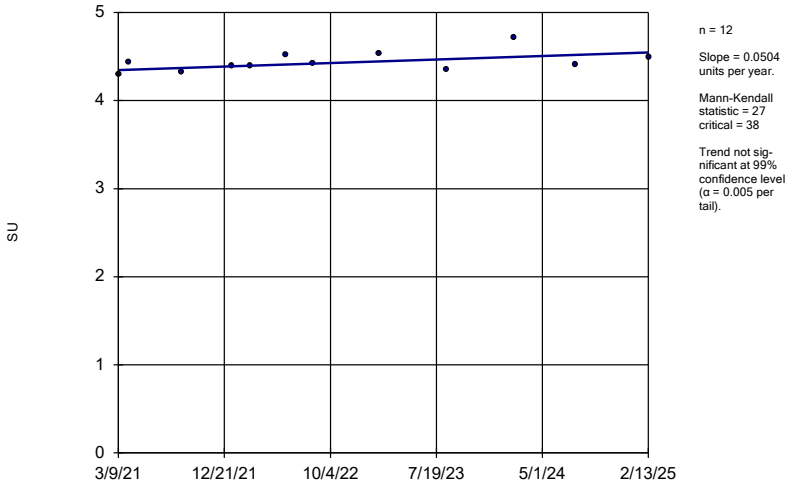
Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-24



n = 12

Slope = 0.0504 units per year.

Mann-Kendall statistic = 27 critical = 38

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

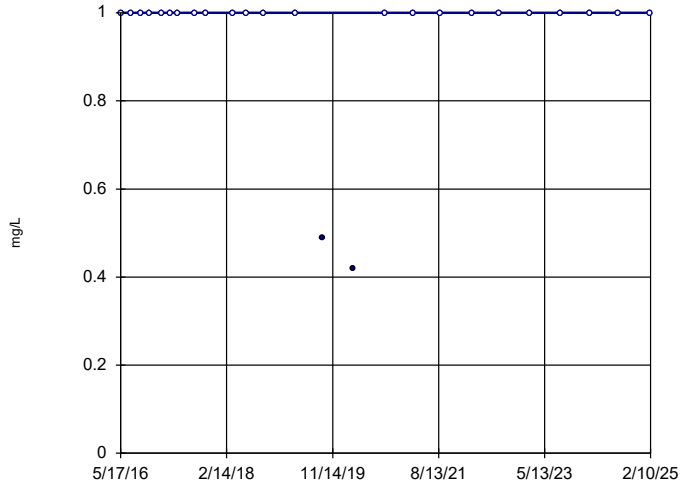
Constituent: pH, Field Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -111

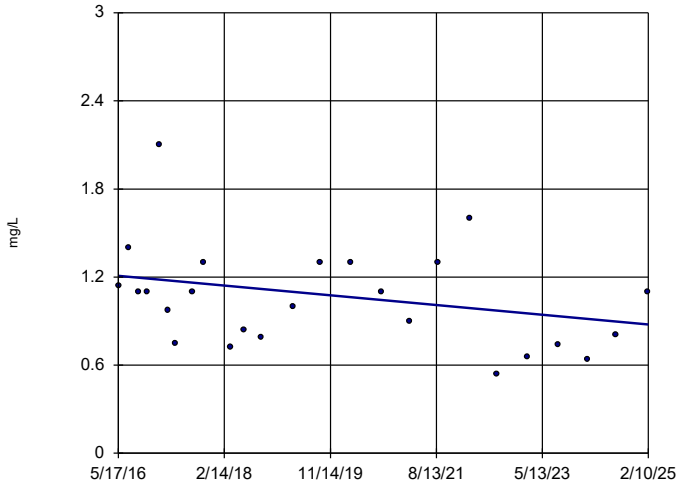
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-2 (bg)



n = 25

Slope = -0.03802 units per year.

Mann-Kendall statistic = -74
critical = -111

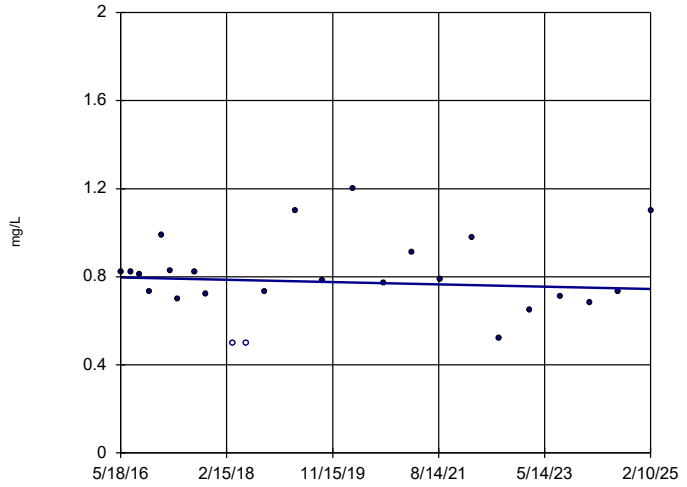
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-3 (bg)



n = 25

Slope = -0.006092 units per year.

Mann-Kendall statistic = -26
critical = -111

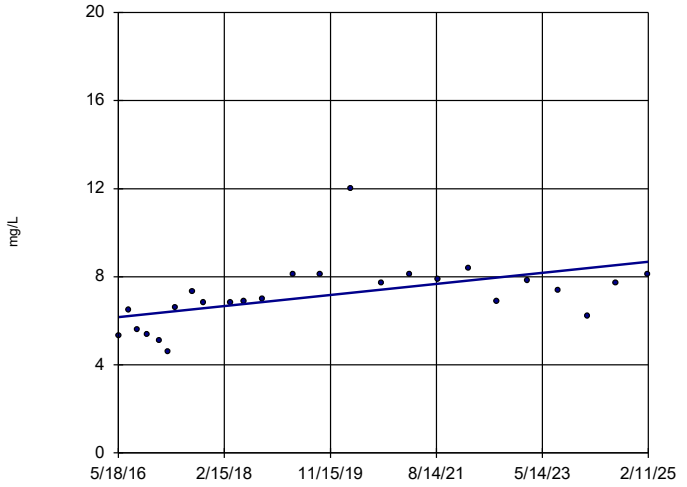
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-4 (bg)



n = 25

Slope = 0.2872 units per year.

Mann-Kendall statistic = 143
critical = 111

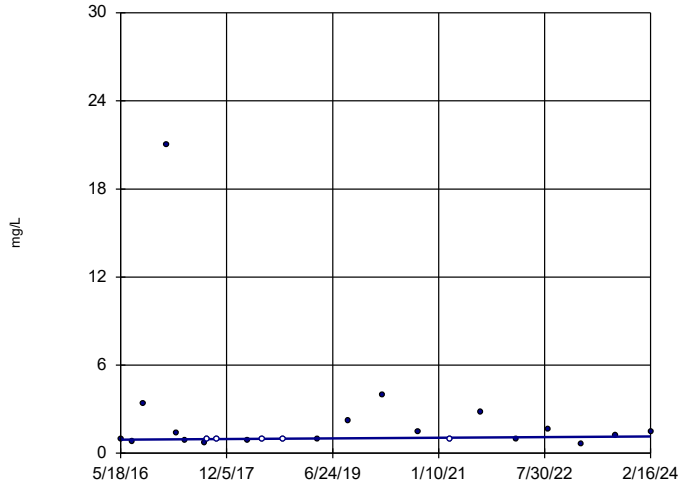
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-5 (bg)



n = 23

Slope = 0.028 units per year.

Mann-Kendall statistic = 28
critical = 98

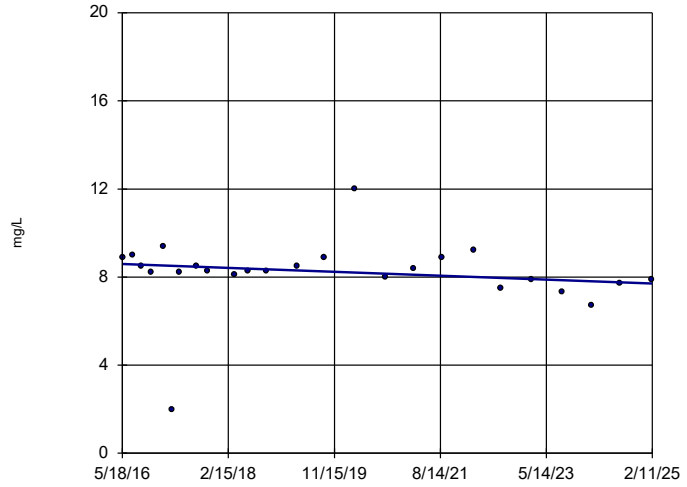
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-6 (bg)



n = 25

Slope = -0.1016 units per year.

Mann-Kendall statistic = -81
critical = -111

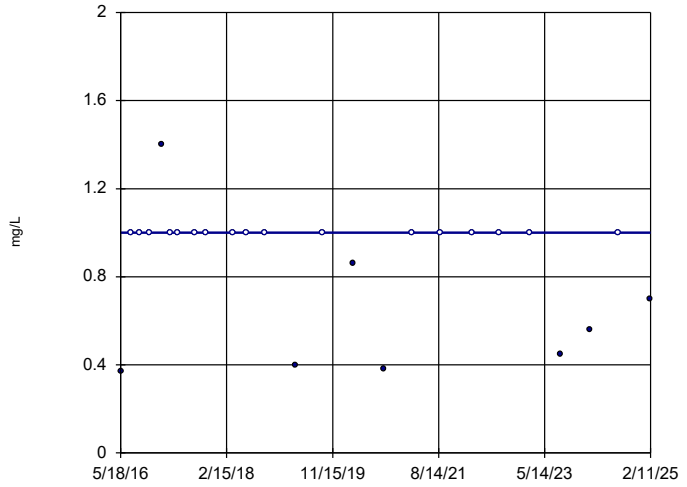
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-7 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -48
critical = -111

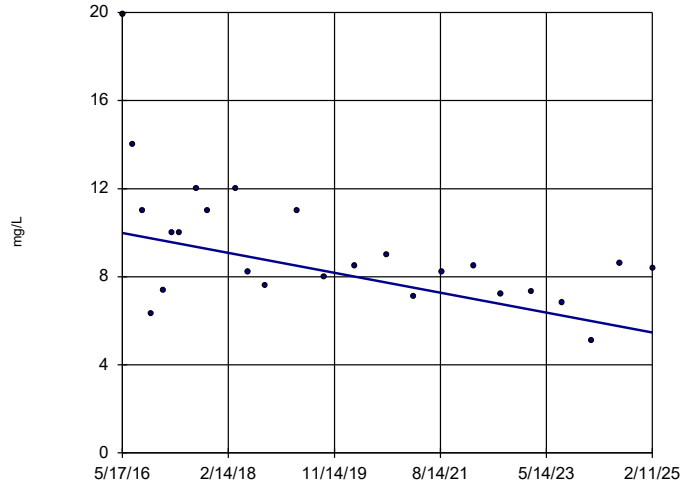
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-18 (bg)



n = 25

Slope = -0.5169 units per year.

Mann-Kendall statistic = -119
critical = -111

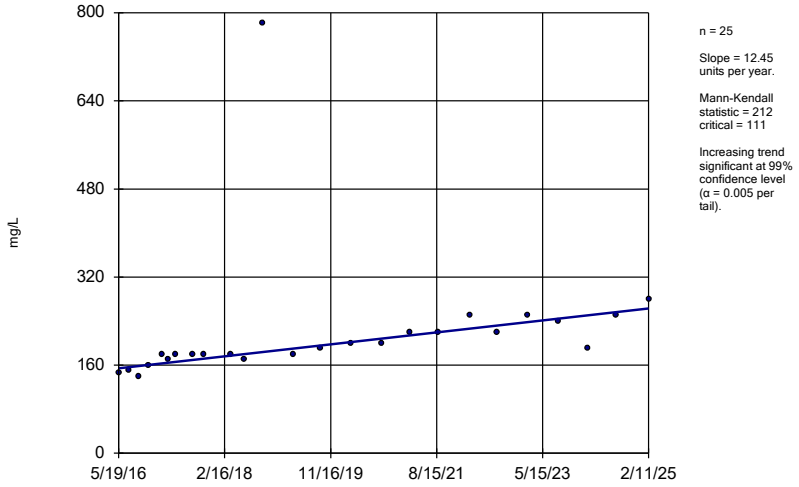
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-8



n = 25

Slope = 12.45 units per year.

Mann-Kendall statistic = 212 critical = 111

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

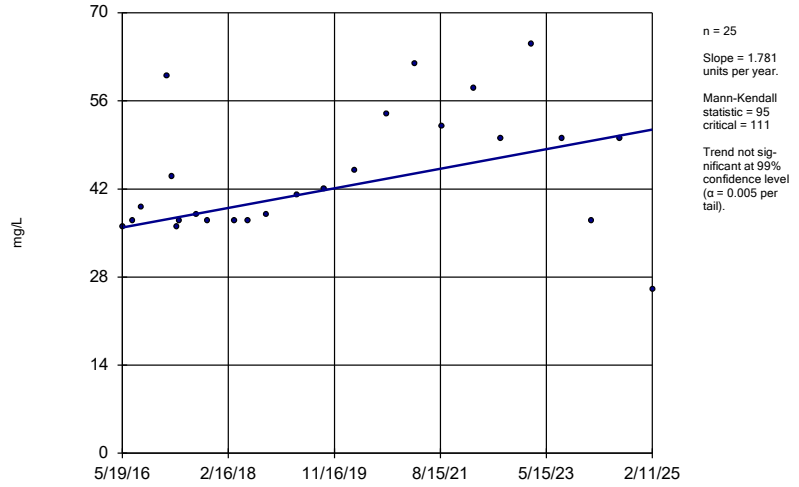
Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-9



n = 25

Slope = 1.781 units per year.

Mann-Kendall statistic = 95 critical = 111

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

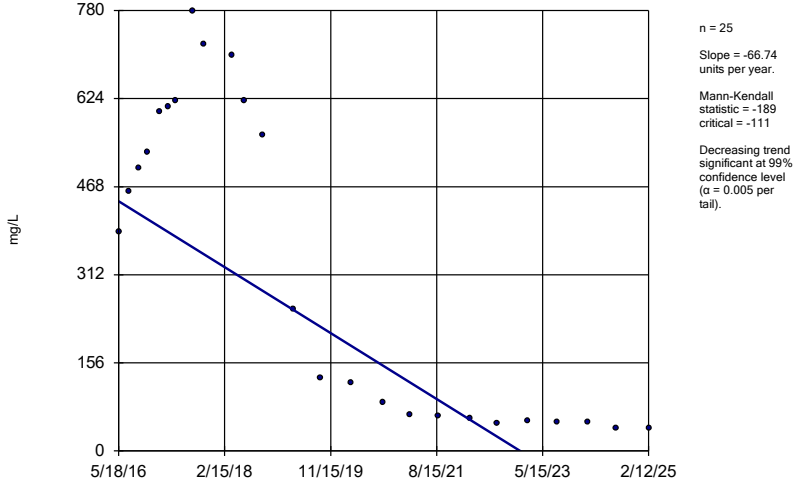
Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-16



n = 25

Slope = -66.74 units per year.

Mann-Kendall statistic = -189 critical = -111

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

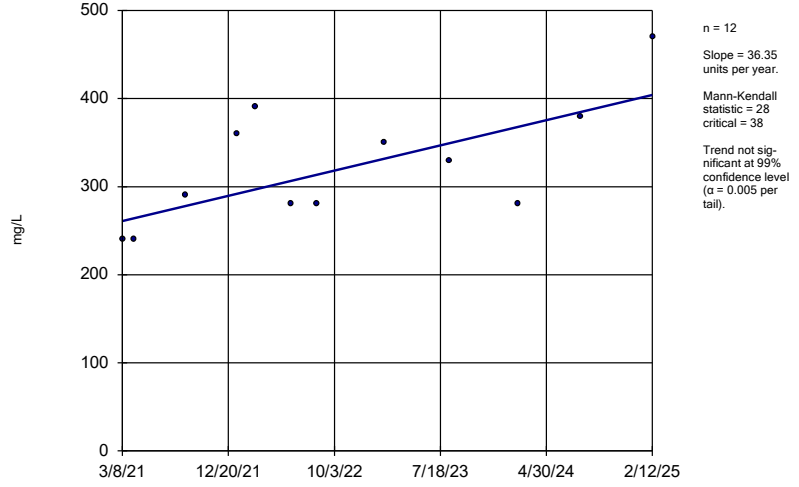
Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-20



n = 12

Slope = 36.35 units per year.

Mann-Kendall statistic = 28 critical = 38

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

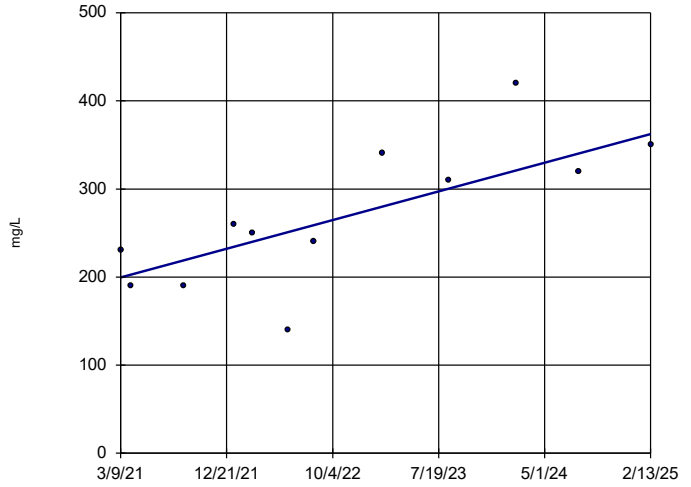
Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-21



n = 12

Slope = 41.32 units per year.

Mann-Kendall statistic = 37
critical = 38

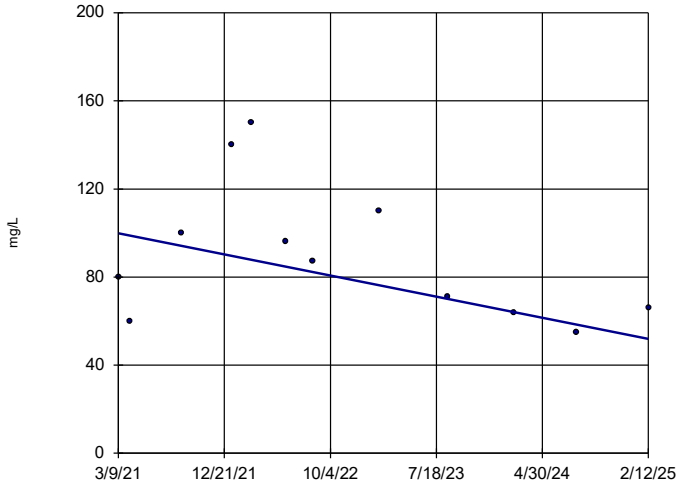
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-22



n = 12

Slope = -12.21 units per year.

Mann-Kendall statistic = -20
critical = -38

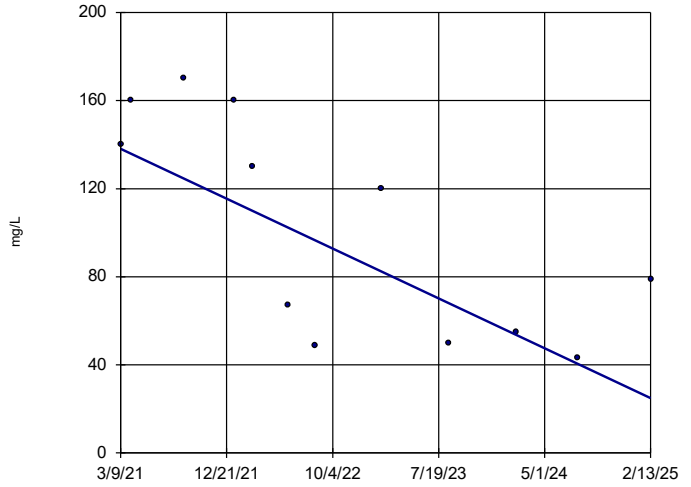
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-24



n = 12

Slope = -28.75 units per year.

Mann-Kendall statistic = -37
critical = -38

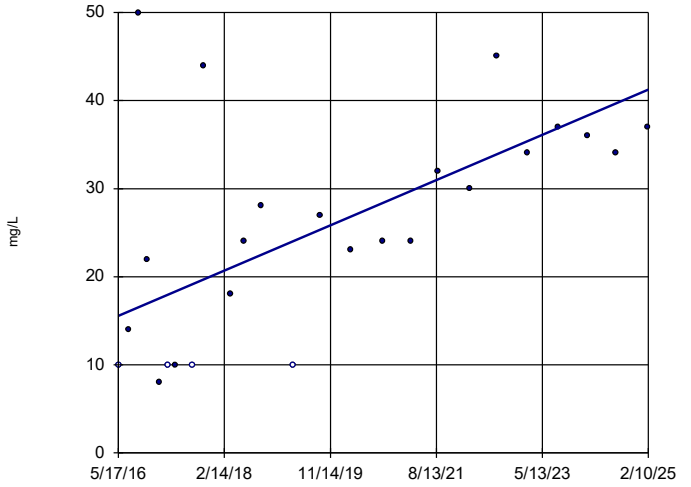
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)



n = 25

Slope = 2.937 units per year.

Mann-Kendall statistic = 147
critical = 111

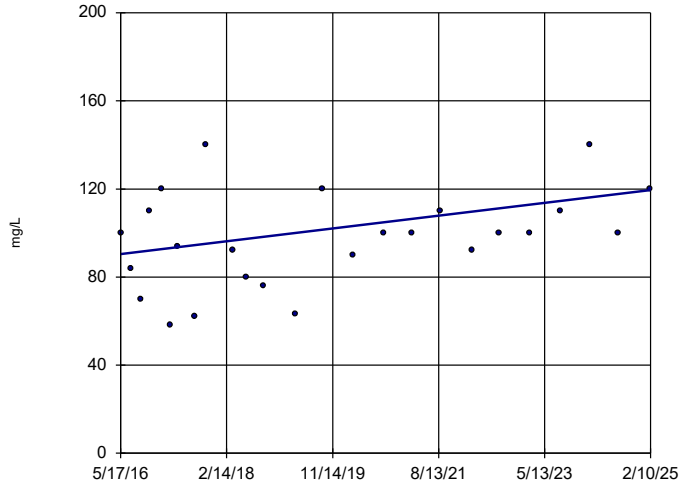
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-2 (bg)



n = 25

Slope = 3.321 units per year.

Mann-Kendall statistic = 83 critical = 111

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

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

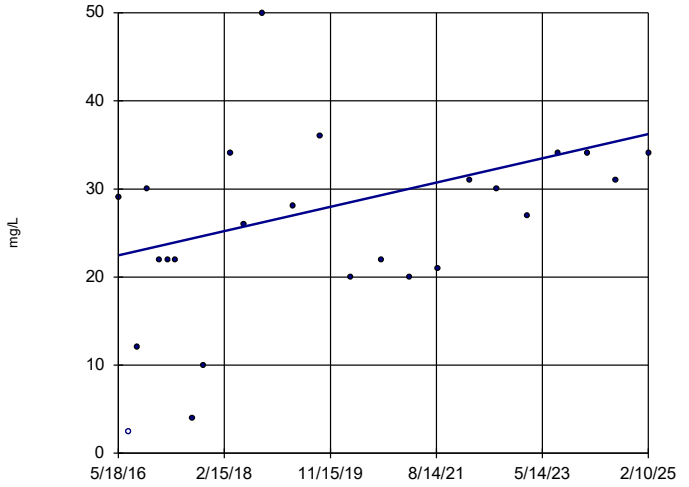
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-3 (bg)



n = 25

Slope = 1.576 units per year.

Mann-Kendall statistic = 99 critical = 111

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

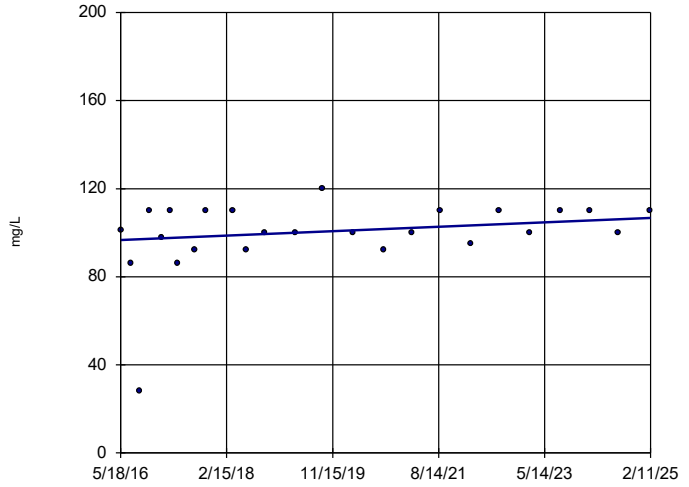
Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-4 (bg)



n = 25

Slope = 1.154 units per year.

Mann-Kendall statistic = 73 critical = 111

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

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

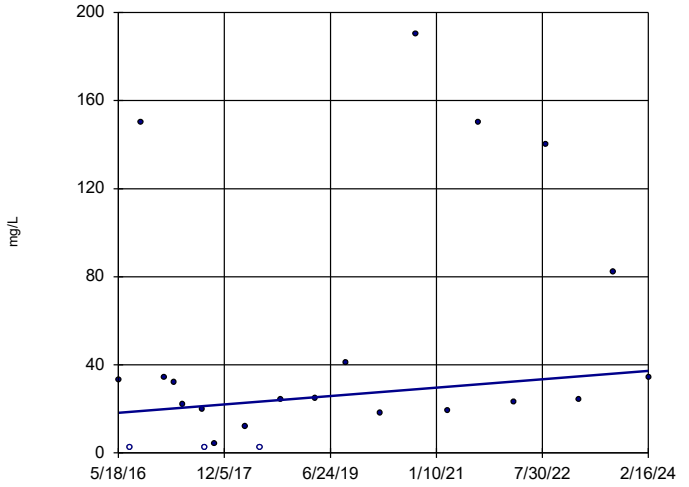
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-5 (bg)



n = 23

Slope = 2.455 units per year.

Mann-Kendall statistic = 47 critical = 98

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

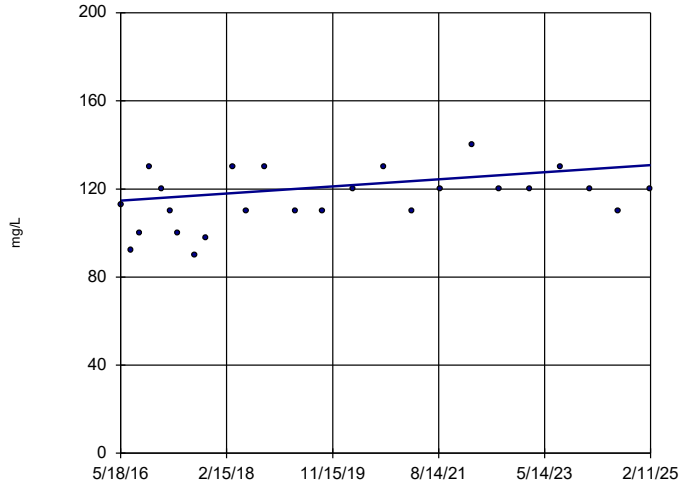
Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-6 (bg)



n = 25

Slope = 1.835 units per year.

Mann-Kendall statistic = 79
critical = 111

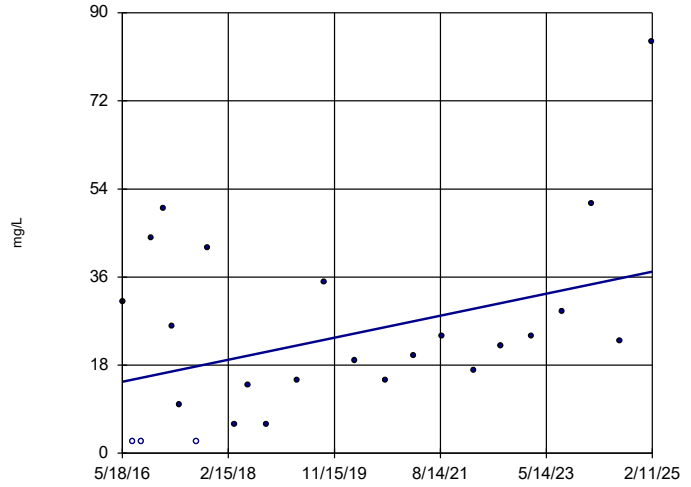
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-7 (bg)



n = 25

Slope = 2.579 units per year.

Mann-Kendall statistic = 86
critical = 111

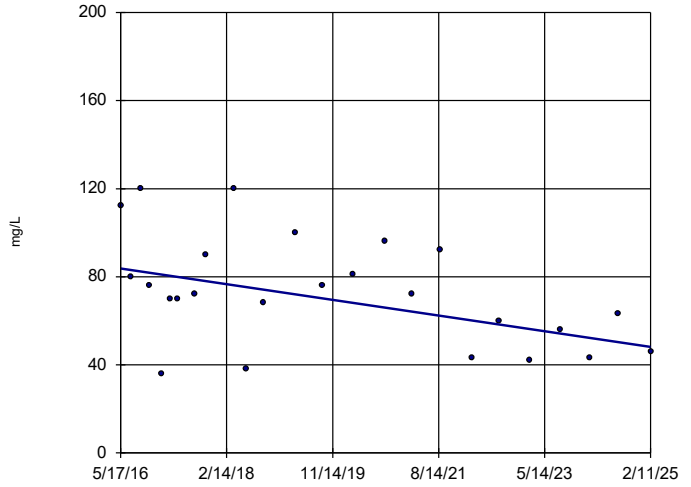
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWA-18 (bg)



n = 25

Slope = -4.064 units per year.

Mann-Kendall statistic = -91
critical = -111

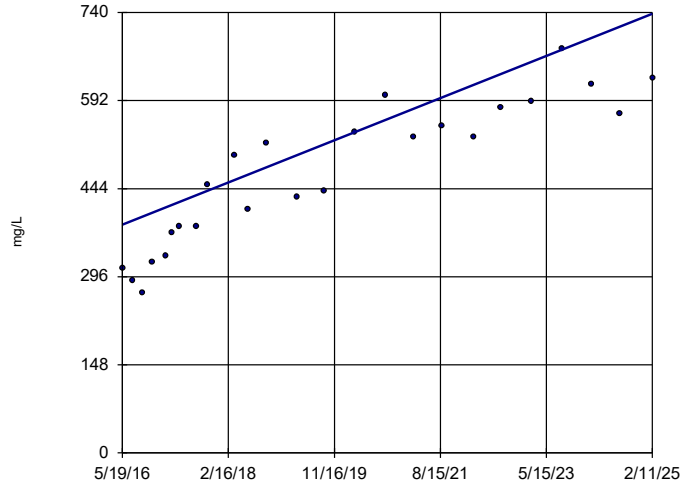
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-8



n = 25

Slope = 40.52 units per year.

Mann-Kendall statistic = 246
critical = 111

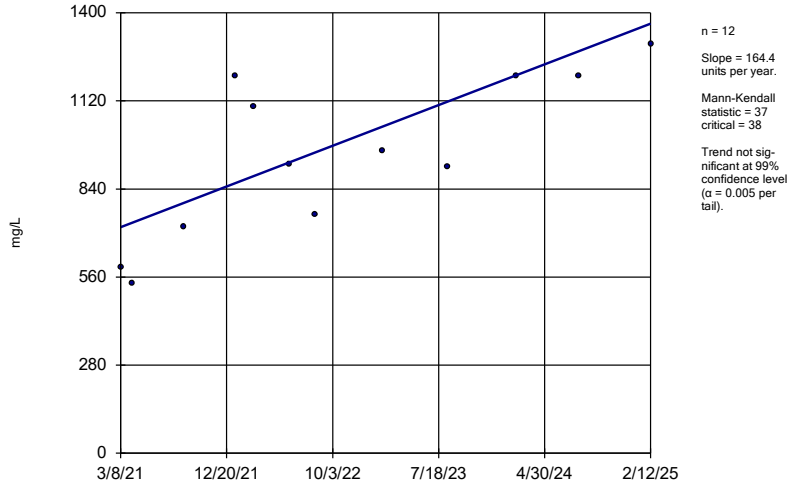
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-20



n = 12

Slope = 164.4 units per year.

Mann-Kendall statistic = 37 critical = 38

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

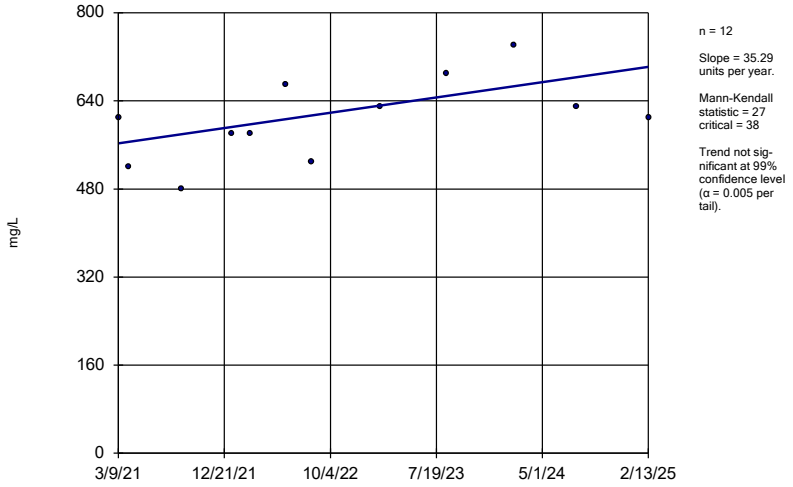
Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

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Sen's Slope Estimator

WGWC-21



n = 12

Slope = 35.29 units per year.

Mann-Kendall statistic = 27 critical = 38

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

Constituent: TDS Analysis Run 4/11/2025 2:07 PM View: Appendix III Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

FIGURE F.

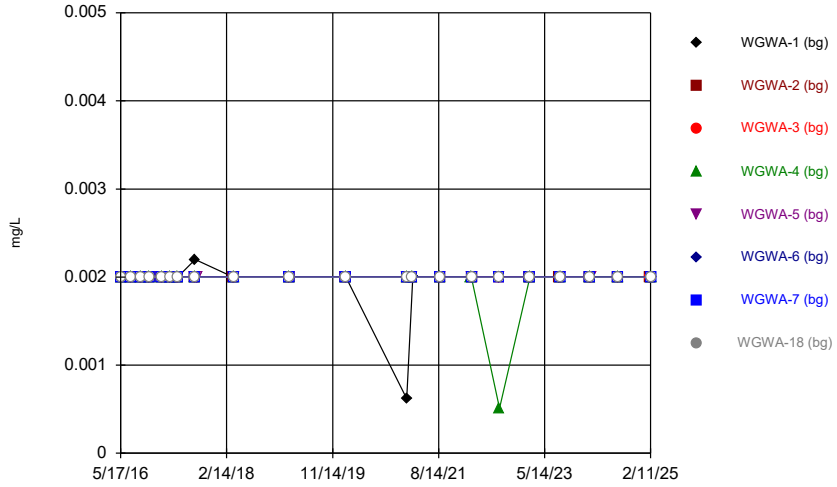
Upper Tolerance Limits Summary Table

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:22 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0022	166	n/a	n/a	98.19	n/a	n/a	0.0002005	NP Inter(NDs)
Arsenic (mg/L)	0.0014	214	n/a	n/a	83.18	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.062	214	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0025	214	n/a	n/a	94.86	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	0.0025	198	n/a	n/a	100	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.0063	213	n/a	n/a	94.37	n/a	n/a	NaN	NP Inter(NDs)
Cobalt (mg/L)	0.0066	212	n/a	n/a	46.7	n/a	n/a	NaN	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	13.1	212	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Fluoride (mg/L)	0.284	222	n/a	n/a	47.75	n/a	n/a	NaN	NP Inter(normality)
Lead (mg/L)	0.0015	198	n/a	n/a	89.9	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.013	204	n/a	n/a	51.96	n/a	n/a	NaN	NP Inter(NDs)
Mercury (mg/L)	0.0002	182	n/a	n/a	91.76	n/a	n/a	NaN	NP Inter(NDs)
Molybdenum (mg/L)	0.015	213	n/a	n/a	92.02	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	0.005	214	n/a	n/a	95.79	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.001	214	n/a	n/a	93.93	n/a	n/a	NaN	NP Inter(NDs)

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Hollow symbols indicate censored values.

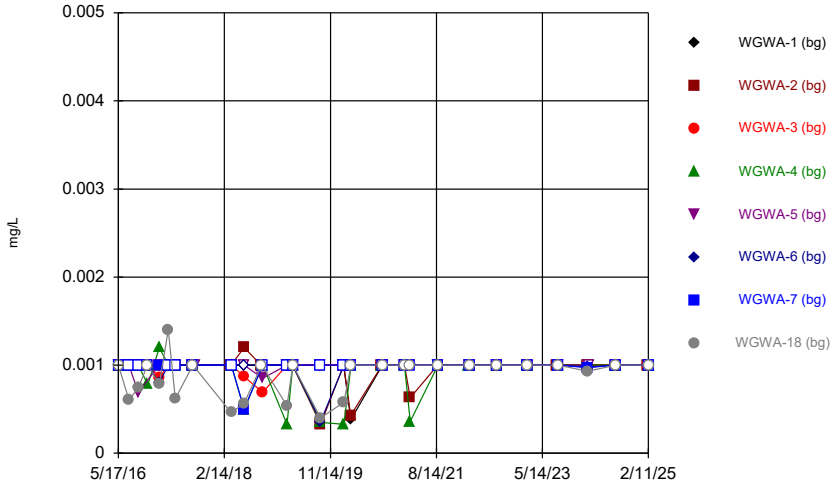
Time Series



Constituent: Antimony Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

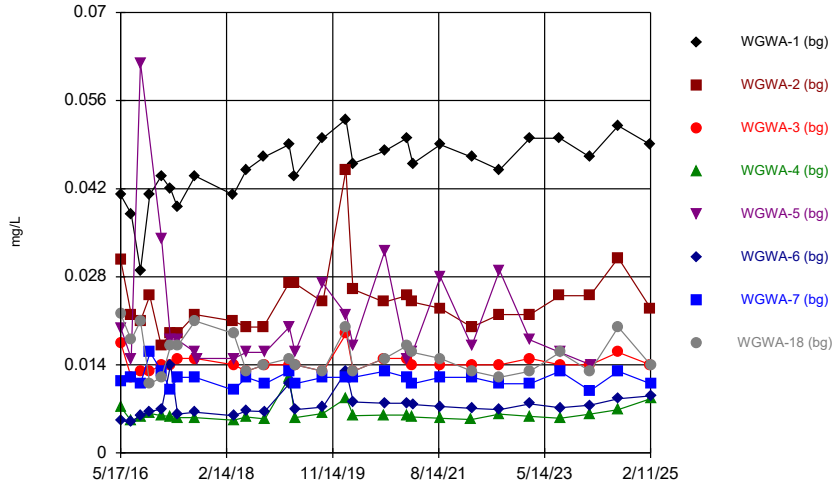
Time Series



Constituent: Arsenic Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

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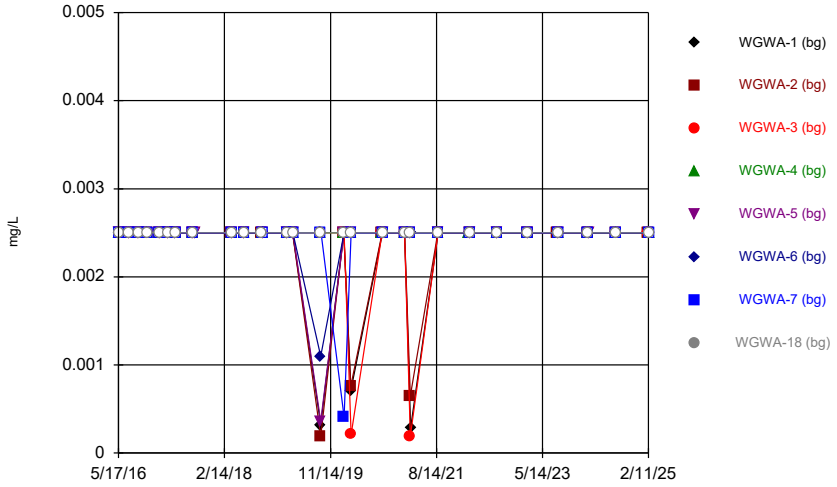
Time Series



Constituent: Barium Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

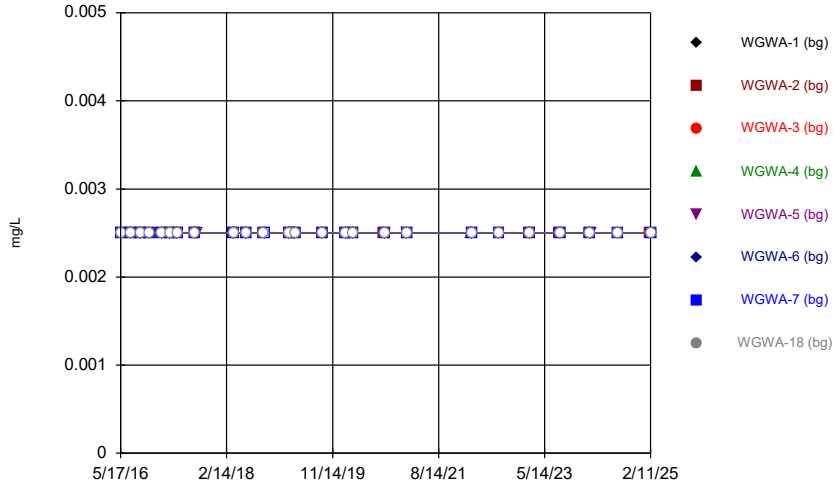
Time Series



Constituent: Beryllium Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

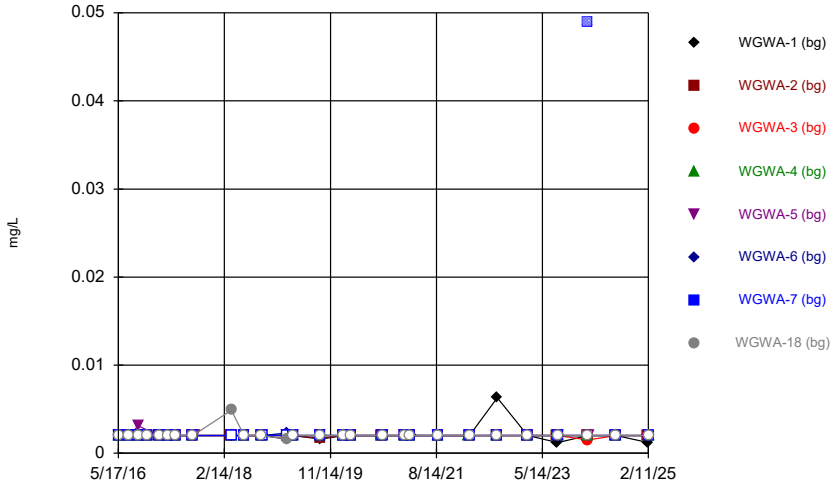
Time Series



Constituent: Cadmium Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

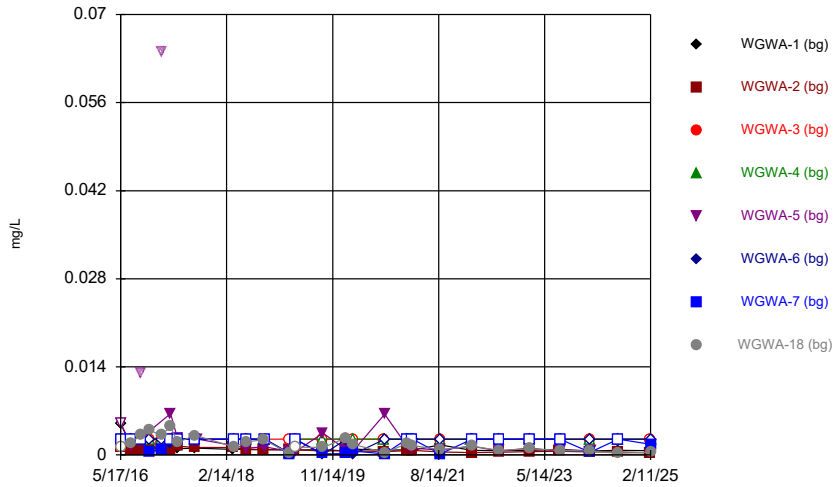
Time Series



Constituent: Chromium Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

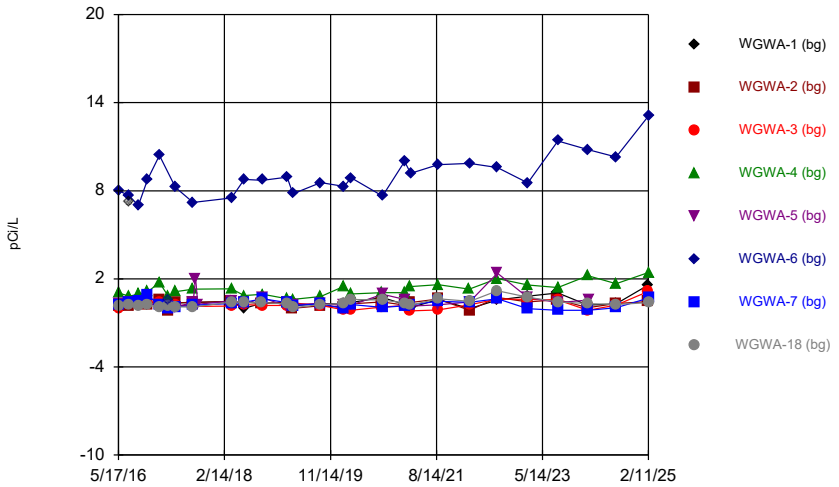
Time Series



Constituent: Cobalt Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

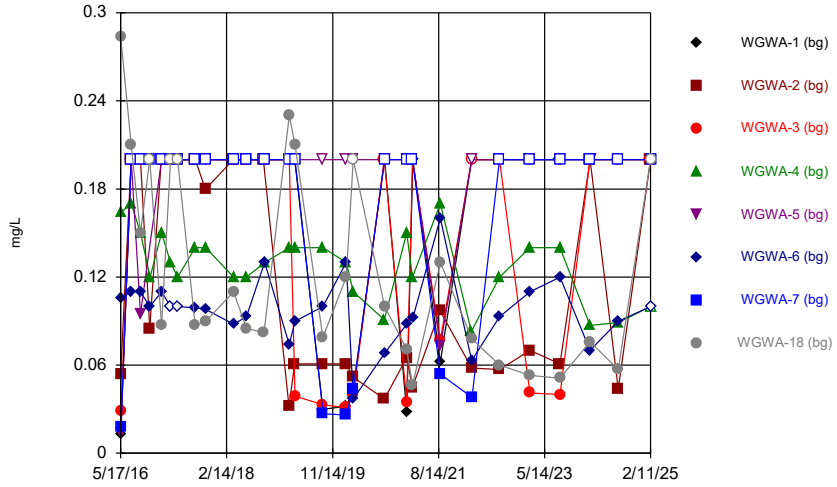
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

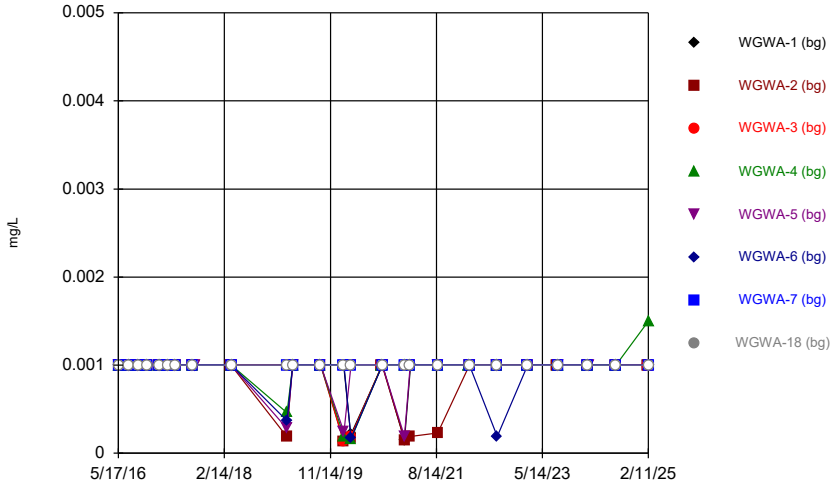
Time Series



Constituent: Fluoride Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

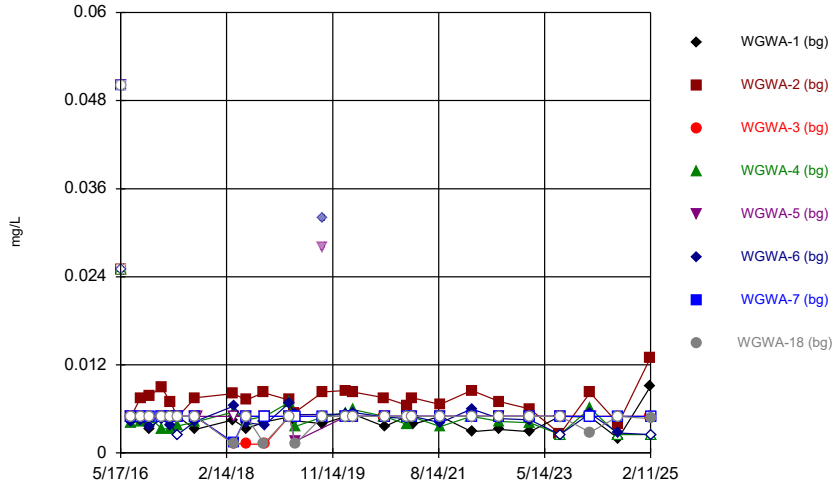
Time Series



Constituent: Lead Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

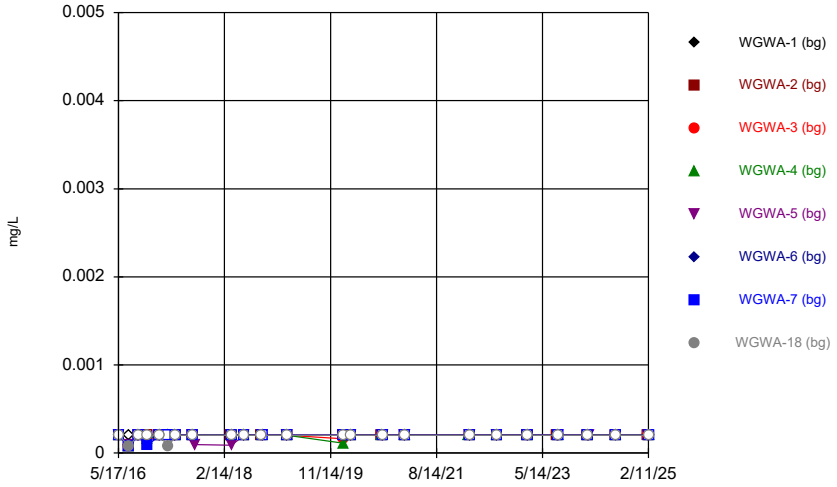
Time Series



Constituent: Lithium Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

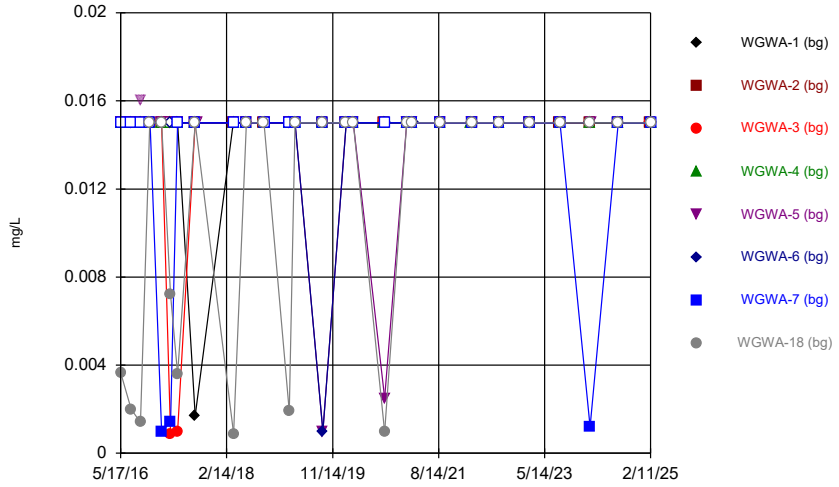
Time Series



Constituent: Mercury Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

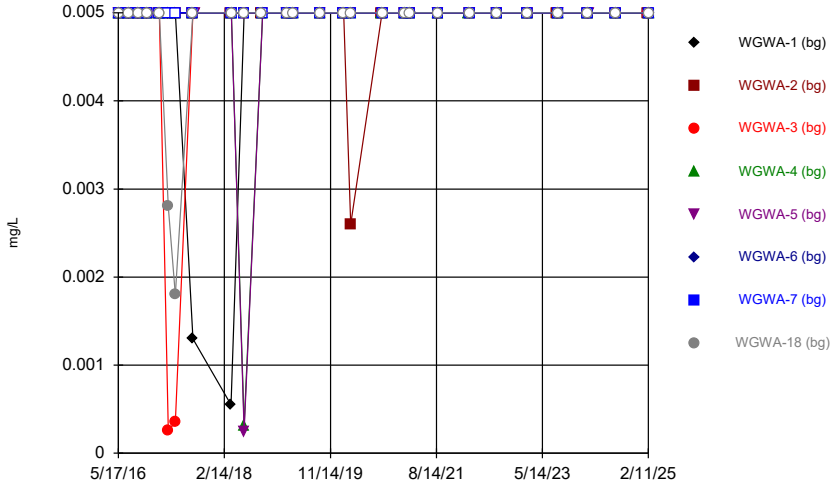
Time Series



Constituent: Molybdenum Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

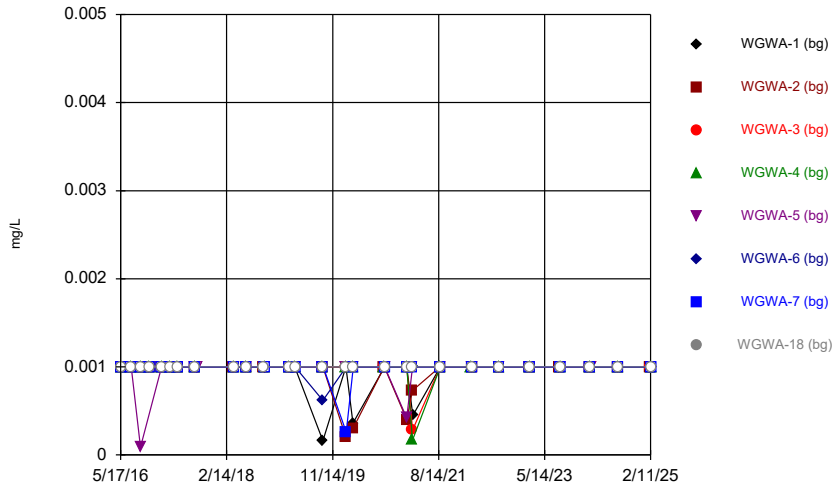
Time Series



Constituent: Selenium Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

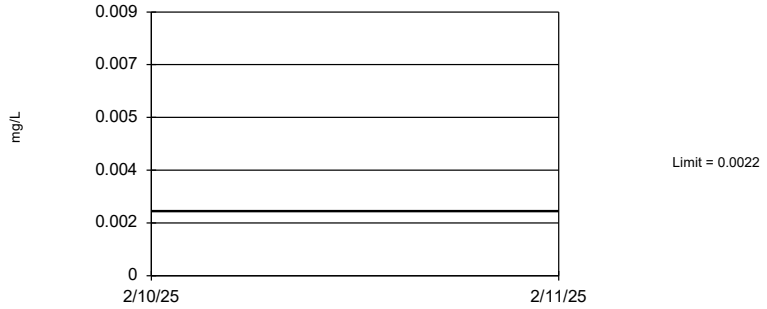


Constituent: Thallium Analysis Run 4/11/2025 2:10 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



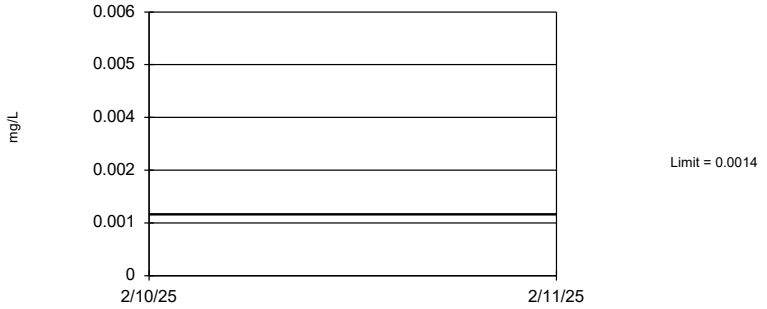
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 166 background values. 98.19% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0002005.

Constituent: Antimony Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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 214 background values. 83.18% 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 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



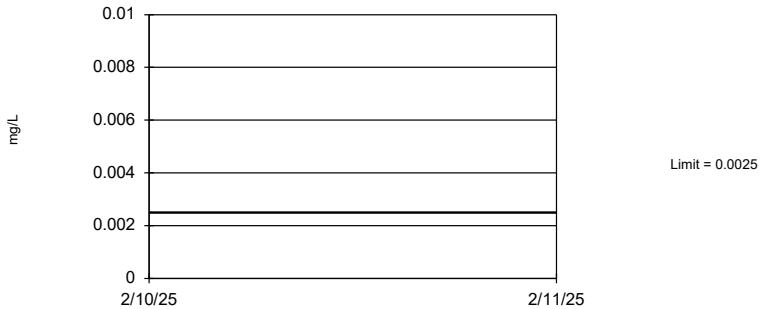
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 214 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



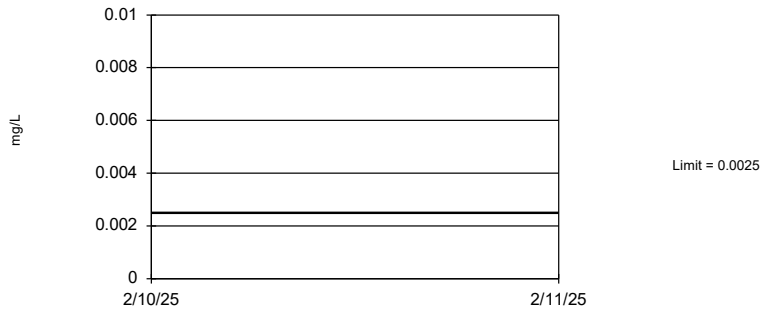
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 214 background values. 94.86% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Beryllium Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



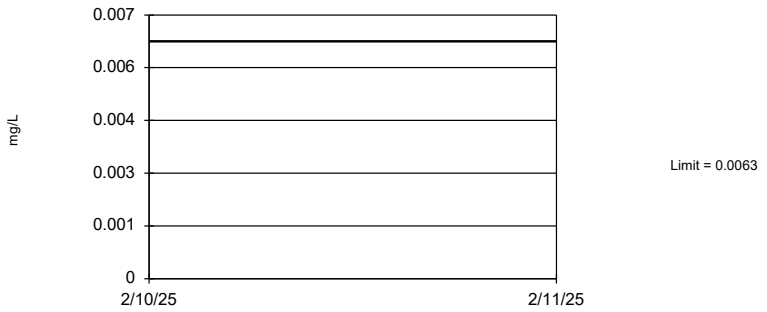
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. All background values were censored; limit is most recent reporting limit. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



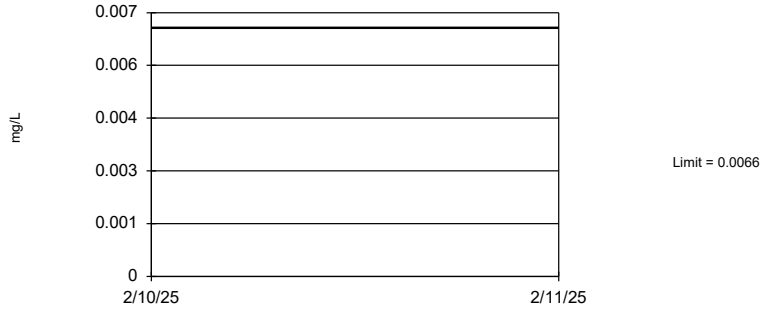
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 213 background values. 94.37% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Chromium Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



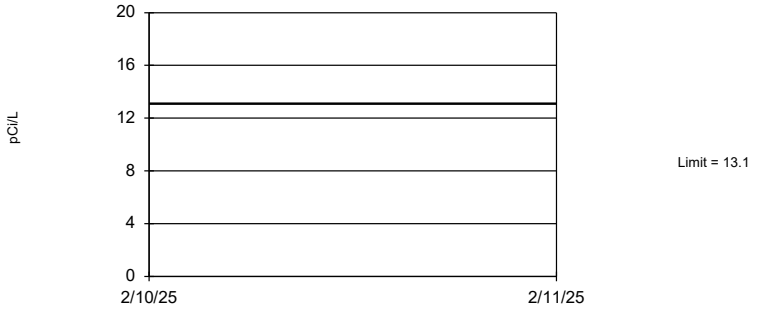
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 212 background values. 46.7% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cobalt Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



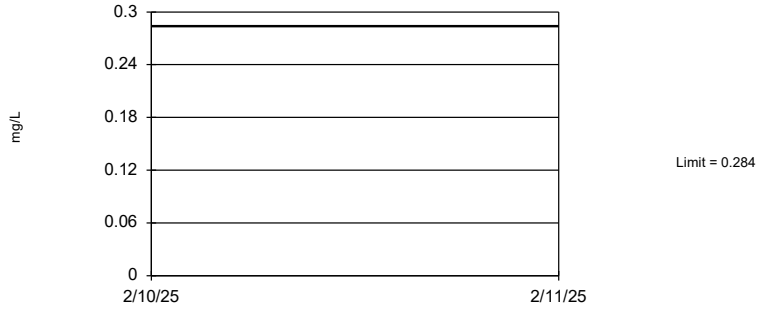
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 212 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



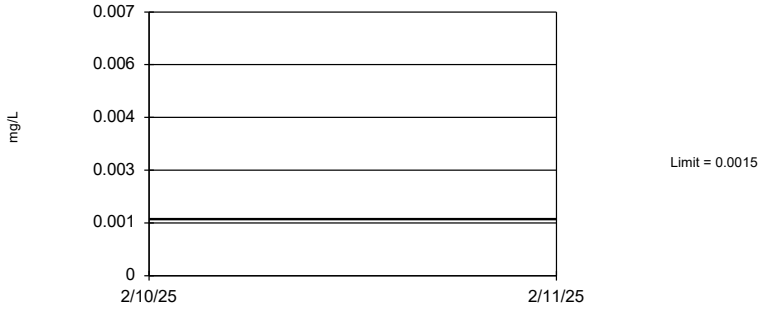
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 222 background values. 47.75% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Fluoride Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



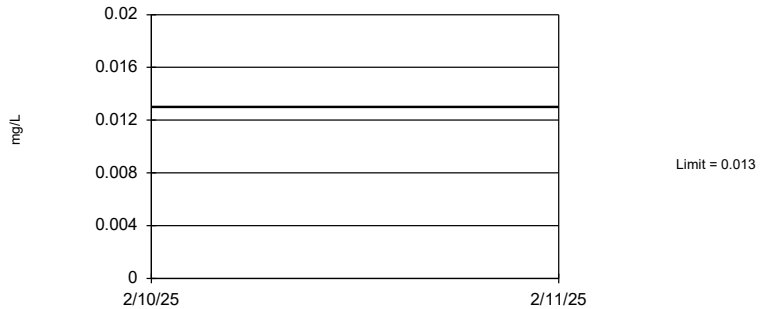
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 198 background values. 89.9% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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 204 background values. 51.96% 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 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



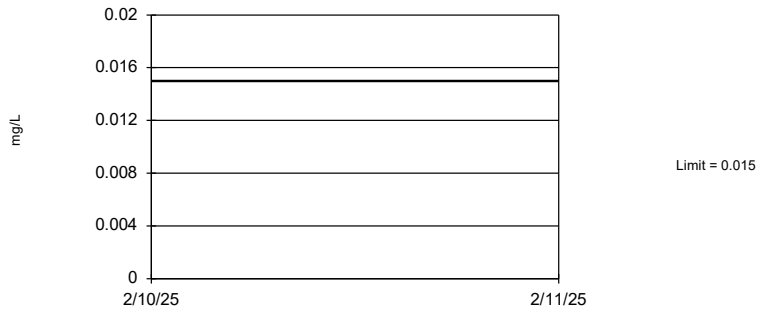
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 182 background values. 91.76% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Mercury Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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 213 background values. 92.02% 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 4/11/2025 2:21 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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 214 background values. 95.79% 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.

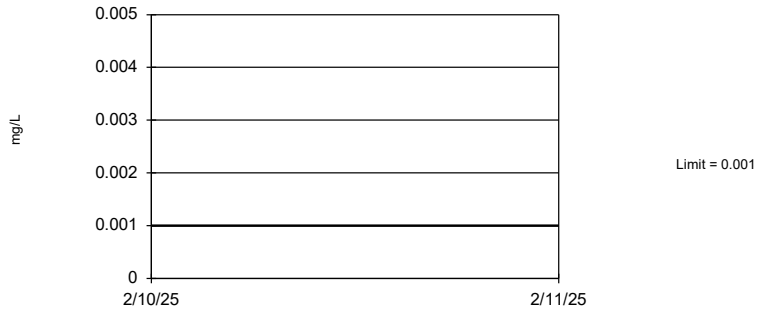
Constituent: Selenium Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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 214 background values. 93.93% 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: Thallium Analysis Run 4/11/2025 2:21 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

Tolerance Limit

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-3 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-4 (bg)
5/17/2016	<0.002	<0.002	<0.002					
5/18/2016				<0.002	<0.002	<0.002	<0.002	<0.002
7/19/2016	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	
7/20/2016				<0.002				<0.002
9/13/2016	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
9/14/2016					<0.002			
11/9/2016	<0.002	<0.002	<0.002			<0.002		
11/10/2016				<0.002			<0.002	<0.002
1/17/2017	<0.002	<0.002						
1/18/2017				<0.002		<0.002	<0.002	<0.002
1/19/2017			<0.002		<0.002			
3/13/2017	<0.002	<0.002						
3/14/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/24/2017	<0.002	<0.002						
4/25/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/8/2017	0.0022 (J)	<0.002	<0.002	<0.002		<0.002	<0.002	
8/9/2017					<0.002			<0.002
8/25/2017					<0.002			
3/27/2018	<0.002	<0.002						
3/28/2018			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/25/2019	<0.002	<0.002						
2/26/2019			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/3/2020	<0.002	<0.002						
2/4/2020				<0.002	<0.002	<0.002		<0.002
2/5/2020			<0.002				<0.002	
2/2/2021	0.00062 (J)	<0.002	<0.002	<0.002			<0.002	<0.002
2/3/2021					<0.002	<0.002		
3/10/2021		<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
3/11/2021	<0.002					<0.002		
8/23/2021		<0.002						
8/24/2021	<0.002				<0.002	<0.002	<0.002	<0.002
8/25/2021			<0.002	<0.002				
2/28/2022								<0.002
3/1/2022	<0.002	<0.002		<0.002	<0.002	<0.002		
3/3/2022			<0.002				<0.002	
8/15/2022	<0.002	<0.002			<0.002	<0.002		
8/16/2022			<0.002	<0.002			<0.002	0.00051 (J)
2/14/2023	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
2/15/2023								<0.002
8/14/2023	<0.002	<0.002						
8/15/2023			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2024	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/16/2024					<0.002			
7/30/2024	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/10/2025	<0.002	<0.002		<0.002				
2/11/2025			<0.002			<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	<0.001	<0.001	<0.001					
5/18/2016				<0.001	<0.001	<0.001	<0.001	<0.001
7/19/2016	<0.001	<0.001	0.00061 (J)		<0.001		<0.001	<0.001
7/20/2016				<0.001		<0.001		
9/13/2016	<0.001	<0.001	0.00074 (J)	<0.001	<0.001	<0.001	<0.001	
9/14/2016								0.00069 (J)
11/9/2016	<0.001	<0.001	<0.001		<0.001			
11/10/2016				0.00078 (J)		<0.001	<0.001	
1/17/2017	<0.001	0.00099 (J)						
1/18/2017				0.0012 (J)	0.0008 (J)	0.00086 (J)	0.001 (J)	
1/19/2017			0.00079 (J)					<0.001
3/13/2017	<0.001	<0.001						
3/14/2017			0.0014	<0.001	<0.001	<0.001	<0.001	<0.001
4/24/2017	<0.001	<0.001						
4/25/2017			0.00062 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
8/9/2017				<0.001				<0.001
8/25/2017								<0.001
3/27/2018	<0.001	<0.001						
3/28/2018			0.00046 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
6/13/2018	0.001 (J)		0.00057 (J)		<0.001			<0.001
6/14/2018		0.0012 (J)		0.0005 (J)		0.00087 (J)	0.0005 (J)	
9/24/2018		<0.001						
9/27/2018	<0.001							
9/28/2018			<0.001					
10/2/2018					<0.001			
10/3/2018				<0.001		0.00069 (J)	<0.001	0.00085 (J)
2/25/2019	<0.001	<0.001						
2/26/2019			0.00054 (J)	0.00033 (J)	<0.001	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001						
4/2/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019	<0.001				0.00036 (J)			<0.001
9/17/2019		0.00033 (J)	0.0004 (J)	0.00035 (J)				
9/18/2019						<0.001	<0.001	
2/3/2020	<0.001	<0.001						
2/4/2020				0.00033 (J)	<0.001	<0.001		<0.001
2/5/2020			0.00058 (J)				<0.001	
3/16/2020	0.00038 (J)	0.00043 (J)						
3/17/2020			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/21/2020		<0.001		<0.001		<0.001		
9/22/2020	<0.001		<0.001		<0.001		<0.001	<0.001
2/2/2021	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	
2/3/2021					<0.001			<0.001
3/10/2021		0.00063 (J)	<0.001	0.00036 (J)		<0.001	<0.001	<0.001
3/11/2021	<0.001				<0.001			
8/23/2021		<0.001						
8/24/2021	<0.001			<0.001	<0.001		<0.001	<0.001
8/25/2021			<0.001			<0.001		
2/28/2022				<0.001				
3/1/2022	<0.001	<0.001			<0.001	<0.001		<0.001
3/3/2022			<0.001				<0.001	
8/15/2022	<0.001	<0.001			<0.001			<0.001

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
8/16/2022			<0.001	<0.001		<0.001	<0.001	
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2/15/2023				<0.001				
8/14/2023	<0.001	<0.001						
8/15/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	<0.001	0.00093 (J)	<0.001	0.00098 (J)	<0.001	0.00097 (J)	
2/16/2024								<0.001
7/30/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/10/2025	<0.001	<0.001				<0.001		
2/11/2025			<0.001	<0.001	<0.001		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	0.041	0.0308	0.0221					
5/18/2016				0.00723 (J)	0.00518 (J)	0.0174	0.0114	0.0198
7/19/2016	0.038	0.022	0.018		0.0049		0.012	0.015
7/20/2016				0.0051		0.012		
9/13/2016	0.029	0.021	0.021	0.0058	0.006	0.013	0.011	
9/14/2016								0.062
11/9/2016	0.041	0.025	0.011		0.0066			
11/10/2016				0.0063		0.013	0.016	
1/17/2017	0.044	0.017						
1/18/2017				0.0059	0.007	0.014	0.013	
1/19/2017			0.012					0.034
3/13/2017	0.042	0.019						
3/14/2017			0.017	0.0058	0.014	0.014	0.01	0.018
4/24/2017	0.039	0.019						
4/25/2017			0.017	0.0056	0.0062	0.015	0.012	0.018
8/8/2017	0.044	0.022	0.021		0.0065	0.015	0.012	
8/9/2017				0.0056				0.016
8/25/2017								0.015
3/27/2018	0.041	0.021						
3/28/2018			0.019	0.0052	0.0059	0.014	0.01	0.015
6/13/2018	0.045		0.013		0.0067			0.016
6/14/2018		0.02		0.0057		0.013	0.012	
9/24/2018		0.02						
9/27/2018	0.047							
9/28/2018			0.014					
10/2/2018					0.0066			
10/3/2018				0.0054		0.014	0.011	0.016
2/25/2019	0.049	0.027						
2/26/2019			0.015	0.012	0.011	0.014	0.013	0.02
4/1/2019	0.044	0.027						
4/2/2019			0.014	0.0056	0.0069	0.014	0.011	0.016
9/16/2019	0.05				0.0073 (J)			0.027
9/17/2019		0.024	0.013	0.0063 (J)				
9/18/2019						0.013	0.012	
2/3/2020	0.053	0.045						
2/4/2020				0.0087 (J)	0.013	0.019		0.022
2/5/2020			0.02				0.012	
3/16/2020	0.046	0.026						
3/17/2020			0.013	0.0059 (J)	0.0081 (J)	0.013	0.012	0.017
9/21/2020		0.024		0.006 (J)		0.015		
9/22/2020	0.048		0.015		0.0079 (J)		0.013	0.032
2/2/2021	0.05	0.025	0.017	0.006 (J)		0.015	0.012	
2/3/2021					0.0079 (J)			0.015
3/10/2021		0.024	0.016	0.0057 (J)		0.014	0.011	0.016
3/11/2021	0.046				0.0077 (J)			
8/23/2021		0.023						
8/24/2021	0.049			0.0055 (J)	0.0074 (J)		0.012	0.028
8/25/2021			0.015			0.014		
2/28/2022				0.0053 (J)				
3/1/2022	0.047	0.02			0.0071 (J)	0.014		0.017
3/3/2022			0.013				0.012	
8/15/2022	0.045	0.022			0.0069 (J)			0.029

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
8/16/2022			0.012	0.0062 (J)		0.014	0.011	
2/14/2023	0.05	0.022	0.013		0.0078 (J)	0.015	0.011	0.018
2/15/2023				0.0058 (J)				
8/14/2023	0.05	0.025						
8/15/2023			0.016	0.0055 (J)	0.0072 (J)	0.014	0.013	0.016
2/13/2024	0.047	0.025	0.013	0.0062 (J)	0.0076 (J)	0.014	0.0099 (J)	
2/16/2024								0.014
7/30/2024	0.052	0.031	0.02	0.0069 (J)	0.0086 (J)	0.016	0.013	
2/10/2025	0.049	0.023				0.014		
2/11/2025			0.014	0.0086 (J)	0.0091 (J)		0.011	

Tolerance Limit

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	<0.0025	<0.0025	<0.0025					
5/18/2016				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/19/2016	<0.0025	<0.0025	<0.0025		<0.0025		<0.0025	<0.0025
7/20/2016				<0.0025		<0.0025		
9/13/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
9/14/2016								<0.0025
11/9/2016	<0.0025	<0.0025	<0.0025		<0.0025			
11/10/2016				<0.0025		<0.0025	<0.0025	
1/17/2017	<0.0025	<0.0025						
1/18/2017				<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2017			<0.0025					<0.0025
3/13/2017	<0.0025	<0.0025						
3/14/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025						
4/25/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/8/2017	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	
8/9/2017				<0.0025				<0.0025
8/25/2017								<0.0025
3/27/2018	<0.0025	<0.0025						
3/28/2018			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/13/2018	<0.0025		<0.0025		<0.0025			<0.0025
6/14/2018		<0.0025		<0.0025		<0.0025	<0.0025	
9/24/2018		<0.0025						
9/27/2018	<0.0025							
9/28/2018			<0.0025					
10/2/2018					<0.0025			
10/3/2018				<0.0025		<0.0025	<0.0025	<0.0025
2/25/2019	<0.0025	<0.0025						
2/26/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2019	<0.0025	<0.0025						
4/2/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2019	0.00032 (J)				0.0011			0.00036 (J)
9/17/2019		0.00019 (J)	<0.0025	<0.0025				
9/18/2019						<0.0025	<0.0025	
2/3/2020	<0.0025	<0.0025						
2/4/2020				<0.0025	<0.0025	<0.0025		<0.0025
2/5/2020			<0.0025				0.00041 (J)	
3/16/2020	0.00071 (J)	0.00076 (J)						
3/17/2020			<0.0025	<0.0025	<0.0025	0.00021 (J)	<0.0025	<0.0025
9/21/2020		<0.0025		<0.0025		<0.0025		
9/22/2020	<0.0025		<0.0025		<0.0025		<0.0025	<0.0025
2/2/2021	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	
2/3/2021					<0.0025			<0.0025
3/10/2021		0.00065 (J)	<0.0025	<0.0025		0.00019 (J)	<0.0025	<0.0025
3/11/2021	0.00029 (J)				<0.0025			
8/23/2021		<0.0025						
8/24/2021	<0.0025			<0.0025	<0.0025		<0.0025	<0.0025
8/25/2021			<0.0025			<0.0025		
2/28/2022				<0.0025				
3/1/2022	<0.0025	<0.0025			<0.0025	<0.0025		<0.0025
3/3/2022			<0.0025				<0.0025	
8/15/2022	<0.0025	<0.0025			<0.0025			<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
8/16/2022			<0.0025	<0.0025		<0.0025	<0.0025	
2/14/2023	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
2/15/2023				<0.0025				
8/14/2023	<0.0025	<0.0025						
8/15/2023			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/13/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
2/16/2024								<0.0025
7/30/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
2/10/2025	<0.0025	<0.0025				<0.0025		
2/11/2025			<0.0025	<0.0025	<0.0025		<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)
5/17/2016	<0.0025	<0.0025	<0.0025					
5/18/2016				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/19/2016	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025		<0.0025
7/20/2016				<0.0025			<0.0025	
9/13/2016	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
9/14/2016					<0.0025			
11/9/2016	<0.0025	<0.0025	<0.0025			<0.0025		
11/10/2016				<0.0025			<0.0025	<0.0025
1/17/2017	<0.0025	<0.0025						
1/18/2017				<0.0025		<0.0025	<0.0025	<0.0025
1/19/2017			<0.0025		<0.0025			
3/13/2017	<0.0025	<0.0025						
3/14/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/24/2017	<0.0025	<0.0025						
4/25/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/8/2017	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
8/9/2017				<0.0025	<0.0025			
8/25/2017					<0.0025			
3/27/2018	<0.0025	<0.0025						
3/28/2018			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/13/2018	<0.0025		<0.0025		<0.0025	<0.0025		
6/14/2018		<0.0025		<0.0025			<0.0025	<0.0025
9/24/2018		<0.0025						
9/27/2018	<0.0025							
9/28/2018			<0.0025					
10/2/2018						<0.0025		
10/3/2018				<0.0025	<0.0025		<0.0025	<0.0025
2/25/2019	<0.0025	<0.0025						
2/26/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2019	<0.0025	<0.0025						
4/2/2019			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/16/2019	<0.0025				<0.0025	<0.0025		
9/17/2019		<0.0025	<0.0025	<0.0025				
9/18/2019							<0.0025	<0.0025
2/3/2020	<0.0025	<0.0025						
2/4/2020				<0.0025	<0.0025	<0.0025	<0.0025	
2/5/2020			<0.0025					<0.0025
3/16/2020	<0.0025	<0.0025						
3/17/2020			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/21/2020		<0.0025		<0.0025			<0.0025	
9/22/2020	<0.0025		<0.0025		<0.0025	<0.0025		<0.0025
2/2/2021	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025
2/3/2021					<0.0025	<0.0025		
2/28/2022				<0.0025				
3/1/2022	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	
3/3/2022			<0.0025					<0.0025
8/15/2022	<0.0025	<0.0025			<0.0025	<0.0025		
8/16/2022			<0.0025	<0.0025			<0.0025	<0.0025
2/14/2023	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
2/15/2023				<0.0025				
8/14/2023	<0.0025	<0.0025						
8/15/2023			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)
2/13/2024	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/16/2024					<0.0025			
7/30/2024	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/10/2025	<0.0025	<0.0025					<0.0025	
2/11/2025			<0.0025	<0.0025		<0.0025		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	<0.002	<0.002	<0.002					
5/18/2016				<0.002	<0.002	<0.002	<0.002	<0.002
7/19/2016	<0.002	<0.002	<0.002		<0.002		<0.002	<0.002
7/20/2016				<0.002		<0.002		
9/13/2016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
9/14/2016								0.0031
11/9/2016	<0.002	<0.002	<0.002		<0.002			
11/10/2016				<0.002		<0.002	<0.002	
1/17/2017	<0.002	<0.002						
1/18/2017				<0.002	<0.002	<0.002	<0.002	
1/19/2017			<0.002					<0.002
3/13/2017	<0.002	<0.002						
3/14/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/24/2017	<0.002	<0.002						
4/25/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/8/2017	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	
8/9/2017				<0.002				<0.002
8/25/2017								<0.002
3/27/2018	<0.002	<0.002						
3/28/2018			0.0049	<0.002	<0.002	<0.002	<0.002	<0.002
6/13/2018	<0.002		<0.002		<0.002			<0.002
6/14/2018		<0.002		<0.002		<0.002	<0.002	
9/24/2018		<0.002						
9/27/2018	<0.002							
9/28/2018			<0.002					
10/2/2018					<0.002			
10/3/2018				<0.002		<0.002	<0.002	<0.002
2/25/2019	0.0016 (J)	<0.002						
2/26/2019			0.0016 (J)	0.0021 (J)	0.0023 (J)	<0.002	<0.002	<0.002
4/1/2019	<0.002	<0.002						
4/2/2019			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/16/2019	0.0016 (J)				<0.002			<0.002
9/17/2019		0.0017 (J)	<0.002	<0.002				
9/18/2019						<0.002	<0.002	
2/3/2020	<0.002	<0.002						
2/4/2020				<0.002	<0.002	<0.002		<0.002
2/5/2020			<0.002				<0.002	
3/16/2020	<0.002	<0.002						
3/17/2020			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/21/2020		<0.002		<0.002		<0.002		
9/22/2020	<0.002		<0.002		<0.002		<0.002	<0.002
2/2/2021	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	
2/3/2021					<0.002			<0.002
3/10/2021		<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
3/11/2021	<0.002				<0.002			
8/23/2021		<0.002						
8/24/2021	<0.002			<0.002	<0.002		<0.002	<0.002
8/25/2021			<0.002			<0.002		
2/28/2022				<0.002				
3/1/2022	<0.002	<0.002			<0.002	<0.002		<0.002
3/3/2022			<0.002				<0.002	
8/15/2022	0.0063	<0.002			<0.002			<0.002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
8/16/2022			<0.002	<0.002		<0.002	<0.002	
2/14/2023	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
2/15/2023				<0.002				
8/14/2023	0.0012 (J)	<0.002						
8/15/2023			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/13/2024	<0.002	<0.002	<0.002	<0.002	<0.002	0.0015 (J)	0.049 (O)	
2/16/2024								<0.002
7/30/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
2/10/2025	0.0012 (J)	<0.002				<0.002		
2/11/2025			<0.002	<0.002	<0.002		<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-7 (bg)	WGWA-6 (bg)	WGWA-3 (bg)
5/17/2016	<0.0025	<0.0025	<0.0025					
5/18/2016				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/19/2016	0.0014 (J)	0.00086 (J)	0.0019 (J)		0.0014 (J)	<0.0025	<0.0025	
7/20/2016				<0.0025				<0.0025
9/13/2016	0.0015 (J)	0.00095 (J)	0.0032	<0.0025		<0.0025	<0.0025	<0.0025
9/14/2016					0.013 (o)			
11/9/2016	0.0012 (J)	0.0011 (J)	0.0039				<0.0025	
11/10/2016				<0.0025		0.00055 (J)		<0.0025
1/17/2017	0.001 (J)	<0.0025						
1/18/2017				<0.0025		0.00097 (J)	<0.0025	<0.0025
1/19/2017			0.0032		0.064 (O)			
3/13/2017	0.0011 (J)	0.00087 (J)						
3/14/2017			0.0045	<0.0025	0.0066	<0.0025	0.0018 (J)	<0.0025
4/24/2017	0.001 (J)	0.0014 (J)						
4/25/2017			0.002 (J)	<0.0025	0.0026	<0.0025	<0.0025	<0.0025
8/8/2017	0.0011 (J)	0.0012 (J)	0.0031			<0.0025	<0.0025	<0.0025
8/9/2017				<0.0025	0.0025			
8/25/2017					0.0025			
3/27/2018	0.00091 (J)	0.0012 (J)						
3/28/2018			0.0013 (J)	<0.0025	0.0015 (J)	<0.0025	<0.0025	<0.0025
6/13/2018	0.00094 (J)		0.0021 (J)		0.0011 (J)		<0.0025	
6/14/2018		0.00085 (J)		<0.0025		<0.0025		<0.0025
9/24/2018		0.00085 (J)						
9/27/2018	0.00085 (J)							
9/28/2018			0.0024 (J)					
10/2/2018							<0.0025	
10/3/2018				<0.0025	0.0013 (J)	<0.0025		<0.0025
2/25/2019	0.00085 (J)	0.00083 (J)						
2/26/2019			0.00026 (J)	0.00029 (J)	0.0006 (J)	0.00017 (J)	0.00031 (J)	<0.0025
4/1/2019	0.00079 (J)	0.00082 (J)						
4/2/2019			<0.0025	<0.0025	0.00046 (J)	<0.0025	<0.0025	<0.0025
9/16/2019	0.00082				0.0035		9.1E-05 (J)	
9/17/2019		0.00063	0.0012	<0.0025				
9/18/2019						0.0002 (J)		<0.0025
2/3/2020	0.00062	0.00068						
2/4/2020				<0.0025	0.00082		<0.0025	<0.0025
2/5/2020			0.0027			0.00021 (J)		
3/16/2020	0.00092 (J)	0.00066 (J)						
3/17/2020			0.0017 (J)	<0.0025	0.00066 (J)	0.00065 (J)	0.00014 (J)	<0.0025
9/21/2020		0.00054 (J)		<0.0025				<0.0025
9/22/2020	0.00072 (J)		0.00033 (J)		0.0065	0.00015 (J)	<0.0025	
2/2/2021	0.00082 (J)	0.00069 (J)	0.0018 (J)	<0.0025		<0.0025		<0.0025
2/3/2021					0.0015 (J)		<0.0025	
3/10/2021		0.00073 (J)	0.0015 (J)	<0.0025	0.0011 (J)	<0.0025		<0.0025
3/11/2021	0.00081 (J)						<0.0025	
8/23/2021		0.00049 (J)						
8/24/2021	0.0016 (J)			<0.0025	0.00079 (J)	0.00017 (J)	<0.0025	
8/25/2021			0.00084 (J)					<0.0025
2/28/2022				<0.0025				
3/1/2022	0.00073 (J)	0.00038 (J)			0.0014 (J)		<0.0025	<0.0025
3/3/2022			0.0014 (J)			<0.0025		
8/15/2022	0.0007 (J)	0.00045 (J)			0.00063 (J)		<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-5 (bg)	WGWA-7 (bg)	WGWA-6 (bg)	WGWA-3 (bg)
8/16/2022			0.00075 (J)	<0.0025		<0.0025		<0.0025
2/14/2023	0.00073 (J)	0.00052 (J)	0.001 (J)		0.0011 (J)	<0.0025	<0.0025	<0.0025
2/15/2023				<0.0025				
8/14/2023	0.00087 (J)	0.0006 (J)						
8/15/2023			0.00075 (J)	<0.0025	0.00059 (J)	<0.0025	<0.0025	<0.0025
2/13/2024	0.00064 (J)	0.00049 (J)	0.00063 (J)	<0.0025		0.00044 (J)	<0.0025	<0.0025
2/16/2024					0.00059 (J)			
7/30/2024	0.00074 (J)	0.00046 (J)	0.00029 (J)	<0.0025		<0.0025	<0.0025	<0.0025
2/10/2025	0.00068 (J)	0.00034 (J)						<0.0025
2/11/2025			0.00043 (J)	<0.0025		0.0017 (J)	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-4 (bg)	WGWA-7 (bg)
5/17/2016	0.0525 (U)	0.184 (U)	0.13 (U)					
5/18/2016				0.025 (U)	0.325 (U)	8	1.04	0.268 (U)
7/19/2016	7.25 (O)	0.27 (U)	0.121 (U)		0.433 (U)	7.69		0.369 (U)
7/20/2016				0.398 (U)			0.812	
9/13/2016	0.592 (U)	0.194 (U)	0.372 (U)	0.215 (U)		6.98	0.958	0.527 (U)
11/9/2016	0.221 (U)	0.219 (U)	0.217 (U)			8.78		
11/10/2016				0.421			1.13	0.871
1/17/2017	0.295 (U)		0.595					
1/18/2017				0.434 (U)		10.4	1.76	0.213 (U)
1/19/2017		0.0745 (U)			0.216 (U)			
3/13/2017	-0.13 (U)		-0.147 (U)					
3/14/2017		0.194 (U)		0.167 (U)	0.119 (U)	0.589 (O)	0.788	0.0192 (U)
4/24/2017	0.36 (U)		0.367					
4/25/2017		0.109 (U)		0.224 (U)	0.105 (U)	8.22	1.13	0.0872 (U)
8/8/2017	0.382	0.0842 (U)	0.402	0.127 (U)		7.21		0.219 (U)
8/9/2017					0.385 (U)		1.31	
8/25/2017					2.02			
9/6/2017					0.275 (U)			
3/27/2018	0.475		0.453					
3/28/2018		0.424		0.15 (U)	0.492	7.52	1.32	0.315 (U)
6/13/2018	-0.0181 (U)	0.401			0.275 (U)	8.77		
6/14/2018			0.402	0.258 (U)			0.857	0.41
9/24/2018			0.318					
9/27/2018	0.342							
9/28/2018		0.381						
10/2/2018						8.72		
10/3/2018				0.178 (U)	0.72		0.943	0.65
2/25/2019	0.394		0.44					
2/26/2019		0.307 (U)		0.179 (U)	0.113 (U)	8.93	0.65	0.395
4/1/2019	0.169 (U)		-0.00216 (U)					
4/2/2019		0.0436 (U)		0.361	0.255 (U)	7.8	0.602	0.182 (U)
9/16/2019	0.31 (U)				0.318 (U)	8.55		
9/17/2019		0.263 (U)	0.165 (U)				0.788	
9/18/2019				0.189 (U)				0.299 (U)
2/3/2020	0.283 (U)		0.0879 (U)					
2/4/2020				-0.107 (U)	0.198 (U)	8.3	1.49	
2/5/2020		0.327 (U)						-0.0263 (U)
3/16/2020	0.394 (U)		0.289 (U)					
3/17/2020		0.6 (U)		-0.139 (U)	0.207 (U)	8.88	0.964	0.258 (U)
9/21/2020			0.418 (U)	0.0688 (U)			1.07	
9/22/2020	0.729	0.557 (U)			0.954	7.65		0.0523 (U)
2/2/2021	0.243 (U)	0.354 (U)	0.202 (U)	0.182 (U)			1.05	0.167 (U)
2/3/2021					0.592 (U)	9.99		
3/10/2021		0.218 (U)	0.378 (U)	-0.177 (U)	0.144 (U)		1.47	0.224 (U)
3/11/2021	0.046 (U)					9.2		
8/23/2021			0.632					
8/24/2021	0.598				0.226 (U)	9.78	1.61	0.465 (U)
8/25/2021		0.645		-0.121 (U)				
2/28/2022							1.3	
3/1/2022	-0.0398 (U)		-0.141 (U)	0.238 (U)	0.428 (U)	9.86		
3/3/2022		0.474						0.415
8/15/2022	0.559		0.725		2.38	9.58		

Tolerance Limit

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-18 (bg)	WGWA-2 (bg)	WGWA-3 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-4 (bg)	WGWA-7 (bg)
8/16/2022		1.18		0.628			2.02	0.653
2/14/2023	0.827	0.753	0.421 (U)	0.605	0.741	8.54		-0.0224 (U)
2/15/2023							1.59	
8/14/2023	1.04		0.585 (U)					
8/15/2023		0.426 (U)		0.569 (U)	0.391 (U)	11.4	1.4	-0.139 (U)
2/13/2024	0.208 (U)	0.309 (U)	0.0248 (U)	-0.146 (U)		10.8	2.21	-0.137 (U)
2/16/2024					0.558 (U)			
7/30/2024	0.298 (U)	0.251 (U)	0.327 (U)	0.203 (U)		10.3	1.68	0.031 (U)
2/10/2025	1.59		0.453 (U)	1.15				
2/11/2025		0.383 (U)				13.1	2.44	0.699

Tolerance Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	0.0131 (J)	0.0538 (J)	0.284 (J)					
5/18/2016				0.164 (J)	0.106 (J)	0.029 (J)	0.018 (J)	0.014 (J)
7/19/2016	<0.2	<0.2	0.21		0.11 (J)		<0.2	<0.2
7/20/2016				0.17 (J)		<0.2		
9/13/2016	<0.2	<0.2	0.15 (J)	0.15 (J)	0.11 (J)	<0.2	<0.2	
9/14/2016								0.095 (J)
11/9/2016	<0.2	0.085 (J)	<0.2		0.1 (J)			
11/10/2016				0.12 (J)		<0.2	<0.2	
1/17/2017	<0.2	<0.2						
1/18/2017				0.15 (J)	0.11 (J)	<0.2	<0.2	
1/19/2017			0.087 (J)					<0.2
3/13/2017	<0.2	<0.2						
3/14/2017			<0.2	0.13 (J)	<0.2	<0.2	<0.2	<0.2
4/24/2017	<0.2	<0.2						
4/25/2017			<0.2	0.12 (J)	<0.2	<0.2	<0.2	<0.2
8/8/2017	<0.2	<0.2	0.087 (J)		0.099 (J)	<0.2	<0.2	
8/9/2017				0.14 (J)				<0.2
8/25/2017								<0.2
10/10/2017	<0.2	0.18 (J)						
10/11/2017			0.09 (J)	0.14 (J)	0.098 (J)	<0.2	<0.2	<0.2
3/27/2018	<0.2	<0.2						
3/28/2018			0.11 (J)	0.12 (J)	0.088 (J)	<0.2	<0.2	<0.2
6/13/2018	<0.2		0.085 (J)		0.093 (J)			<0.2
6/14/2018		<0.2		0.12 (J)		<0.2	<0.2	
9/24/2018		<0.2						
9/27/2018	<0.2							
9/28/2018			0.082 (J)					
10/2/2018					0.13 (J)			
10/3/2018				0.13 (J)		<0.2	<0.2	<0.2
2/25/2019	<0.2	0.032 (J)						
2/26/2019			0.23	0.14 (J)	0.074 (J)	<0.2	<0.2	<0.2
4/1/2019	<0.2	0.061 (J)						
4/2/2019			0.21	0.14 (J)	0.09 (J)	0.039 (J)	<0.2	<0.2
9/16/2019	0.03 (J)				0.1 (J)			<0.2
9/17/2019		0.061 (J)	0.079 (J)	0.14 (J)				
9/18/2019						0.033 (J)	0.027 (J)	
2/3/2020	0.032 (J)	0.061 (J)						
2/4/2020				0.13	0.13	0.031 (J)		<0.2
2/5/2020			0.12				0.026 (J)	
3/16/2020	0.042 (J)	0.052 (J)						
3/17/2020			<0.2	0.11	0.037 (J)	0.04 (J)	0.044 (J)	<0.2
9/21/2020		0.037 (J)		0.091 (J)		<0.2		
9/22/2020	<0.2		0.1		0.068 (J)		<0.2	<0.2
2/2/2021	0.028 (J)	0.065 (J)	0.071 (J)	0.15		0.035 (J)	<0.2	
2/3/2021					0.088 (J)			<0.2
3/10/2021		0.045 (J)	0.046 (J)	0.12		<0.2	<0.2	<0.2
3/11/2021	<0.2				0.092 (J)			
8/23/2021		0.097 (J)						
8/24/2021	0.062 (J)			0.17	0.16		0.054 (J)	0.073 (J)
8/25/2021			0.13			0.077 (J)		
2/28/2022				0.083 (J)				
3/1/2022	<0.2	0.058 (J)			0.063 (J)	<0.2		<0.2

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
3/3/2022			0.078 (J)				0.038 (J)	
8/15/2022	<0.2	0.057 (J)			0.093 (J)			<0.2
8/16/2022			0.06 (J)	0.12		<0.2	<0.2	
2/14/2023	<0.2	0.07 (J)	0.053 (J)		0.11	0.041 (J)	<0.2	<0.2
2/15/2023				0.14				
8/14/2023	<0.2	0.061 (J)						
8/15/2023			0.051 (J)	0.14	0.12	0.04 (J)	<0.2	<0.2
2/13/2024	<0.2	<0.2	0.076 (J)	0.087 (J)	0.07 (J)	<0.2	<0.2	
2/16/2024								<0.2
7/30/2024	<0.2	0.044 (J)	0.057 (J)	0.089 (J)	0.09 (J)	<0.2	<0.2	
2/10/2025	<0.2	<0.2				<0.2		
2/11/2025			<0.2	<0.2	<0.2		<0.2	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	<0.001	<0.001	<0.001					
5/18/2016				<0.001	<0.001	<0.001	<0.001	<0.001
7/19/2016	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001
7/20/2016				<0.001		<0.001		
9/13/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/14/2016								<0.001
11/9/2016	<0.001	<0.001	<0.001		<0.001			
11/10/2016				<0.001		<0.001	<0.001	
1/17/2017	<0.001	<0.001						
1/18/2017				<0.001	<0.001	<0.001	<0.001	
1/19/2017			<0.001					<0.001
3/13/2017	<0.001	<0.001						
3/14/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/24/2017	<0.001	<0.001						
4/25/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
8/9/2017				<0.001				<0.001
8/25/2017								<0.001
3/27/2018	<0.001	<0.001						
3/28/2018			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/25/2019	<0.001	0.00019 (J)						
2/26/2019			<0.001	0.00046 (J)	0.00037 (J)	<0.001	<0.001	0.00028 (J)
4/1/2019	<0.001	<0.001						
4/2/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019	<0.001				<0.001			<0.001
9/17/2019		<0.001	<0.001	<0.001				
9/18/2019						<0.001	<0.001	
2/3/2020	<0.001	0.00013 (J)						
2/4/2020				0.00019 (J)	<0.001	0.00013 (J)		0.00024 (J)
2/5/2020			<0.001				<0.001	
3/16/2020	0.00021 (J)	0.00018 (J)						
3/17/2020			<0.001	0.00016 (J)	0.00017 (J)	0.00019 (J)	<0.001	<0.001
9/21/2020		<0.001		<0.001		<0.001		
9/22/2020	<0.001		<0.001		<0.001		<0.001	<0.001
2/2/2021	0.00015 (J)	0.00015 (J)	<0.001	<0.001		<0.001	<0.001	
2/3/2021					<0.001			0.00019 (J)
3/10/2021		0.00019 (J)	<0.001	<0.001		<0.001	<0.001	<0.001
3/11/2021	<0.001				<0.001			
8/23/2021		0.00023 (J)						
8/24/2021	<0.001			<0.001	<0.001		<0.001	<0.001
8/25/2021			<0.001			<0.001		
2/28/2022				<0.001				
3/1/2022	<0.001	<0.001			<0.001	<0.001		<0.001
3/3/2022			<0.001				<0.001	
8/15/2022	<0.001	<0.001			0.00019 (J)			<0.001
8/16/2022			<0.001	<0.001		<0.001	<0.001	
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2/15/2023				<0.001				
8/14/2023	<0.001	<0.001						
8/15/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/16/2024								<0.001

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
7/30/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/10/2025	<0.001	<0.001				<0.001		
2/11/2025			<0.001	0.0015	<0.001		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-3 (bg)
5/17/2016	<0.05 (O)	<0.05 (O)				<0.05 (O)		
5/18/2016			<0.05 (O)	<0.05 (O)	<0.05 (O)		<0.05 (O)	<0.05 (O)
7/19/2016	<0.005	0.005	<0.005	0.0043 (J)	<0.005	<0.005		
7/20/2016							0.0041 (J)	<0.005
9/13/2016	<0.005	0.0075		0.0045 (J)	<0.005	<0.005	0.0042 (J)	<0.005
9/14/2016			<0.005					
11/9/2016	0.0032 (J)	0.0078		0.0036 (J)		<0.005		
11/10/2016					<0.005		0.0048 (J)	<0.005
1/17/2017	<0.005	0.009						
1/18/2017				0.0046 (J)	<0.005		0.0033 (J)	<0.005
1/19/2017			<0.005			<0.005		
3/13/2017	<0.005	0.0069						
3/14/2017			<0.005	0.0038 (J)	<0.005	<0.005	0.0033 (J)	<0.005
4/24/2017	<0.005	0.0049 (J)						
4/25/2017			<0.005	<0.005	<0.005	<0.005	0.0037 (J)	<0.005
8/8/2017	0.0032 (J)	0.0075		0.0043 (J)	<0.005	<0.005		<0.005
8/9/2017			<0.005				0.0042 (J)	
8/25/2017			<0.005					
3/27/2018	0.0045 (J)	0.0081						
3/28/2018			<0.005	0.0064	0.0014 (J)	0.0012 (J)	0.0056	0.0013 (J)
6/13/2018	0.0033 (J)		<0.005	0.0041 (J)		<0.005		
6/14/2018		0.0072			<0.005		0.0045 (J)	0.0012 (J)
9/24/2018		0.0082						
9/27/2018	0.0042 (J)							
9/28/2018						0.0013 (J)		
10/2/2018				0.0038 (J)				
10/3/2018			<0.005		<0.005		0.005	0.0012 (J)
2/25/2019	0.0049 (J)	0.0072						
2/26/2019			<0.005	0.0068	<0.005	<0.005	0.0069	<0.005
4/1/2019	0.0044 (J)	0.0055						
4/2/2019			0.0016 (J)	0.0052	<0.005	0.0012 (J)	0.0036 (J)	<0.005
9/16/2019	0.004 (J)		0.028 (O)	0.032 (O)				
9/17/2019		0.0083				<0.005	0.0049 (J)	
9/18/2019					<0.005			<0.005
2/3/2020	<0.005	0.0085						
2/4/2020			<0.005	0.0053			0.0055	<0.005
2/5/2020					<0.005	<0.005		
3/16/2020	0.0053	0.0083						
3/17/2020			<0.005	0.0055	<0.005	<0.005	0.0059	<0.005
9/21/2020		0.0075					0.005	<0.005
9/22/2020	0.0036 (J)		<0.005	0.0049 (J)	<0.005	<0.005		
2/2/2021	<0.005	0.0065			<0.005	<0.005	0.0039 (J)	<0.005
2/3/2021			<0.005	0.0047 (J)				
3/10/2021		0.0075	<0.005		<0.005	<0.005	0.0049 (J)	<0.005
3/11/2021	0.0039 (J)			0.005				
8/23/2021		0.0066						
8/24/2021	<0.005		<0.005	0.0041 (J)	<0.005		0.0036 (J)	
8/25/2021						<0.005		<0.005
2/28/2022							0.005	
3/1/2022	0.0029 (J)	0.0085	<0.005	0.006				<0.005
3/3/2022					<0.005	<0.005		
8/15/2022	0.0032 (J)	0.007	<0.005	0.0047 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-5 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-3 (bg)
8/16/2022					<0.005	<0.005	0.0043 (J)	<0.005
2/14/2023	0.0029 (J)	0.006	<0.005	0.0045 (J)	<0.005	<0.005		<0.005
2/15/2023							0.0041 (J)	
8/14/2023	<0.005	0.0026 (J)						
8/15/2023			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	0.0049 (J)	0.0082		0.0054	<0.005	0.0028 (J)	0.0061	<0.005
2/16/2024			<0.005					
7/30/2024	0.002 (J)	0.004 (J)		0.0027 (J)	<0.005	<0.005	<0.005	<0.005
2/10/2025	0.0091	0.013						<0.005
2/11/2025				<0.005	<0.005	0.0047 (J)	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-5 (bg)	WGWA-3 (bg)	WGWA-6 (bg)	WGWA-7 (bg)	WGWA-4 (bg)
5/17/2016	<0.0002	<0.0002	<0.0002					
5/18/2016				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
7/19/2016	<0.0002	8.1E-05 (J)	8.2E-05 (J)	8.5E-05 (J)		8.4E-05 (J)	7.2E-05 (J)	
7/20/2016					7.7E-05 (J)			8.1E-05 (J)
9/13/2016	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
9/14/2016				<0.0002				
11/9/2016	<0.0002	<0.0002	<0.0002			<0.0002		
11/10/2016					0.00015 (J)		8.7E-05 (J)	0.00016 (J)
1/17/2017	<0.0002	<0.0002						
1/18/2017					<0.0002	<0.0002	<0.0002	<0.0002
1/19/2017			<0.0002	<0.0002				
3/13/2017	<0.0002	<0.0002						
3/14/2017			7.1E-05 (J)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/24/2017	<0.0002	<0.0002						
4/25/2017			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/8/2017	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	
8/9/2017				<0.0002				<0.0002
8/25/2017				9.5E-05 (J)				
3/27/2018	<0.0002	<0.0002						
3/28/2018			<0.0002	8.9E-05 (J)	<0.0002	<0.0002	<0.0002	<0.0002
6/13/2018	<0.0002		<0.0002	<0.0002		<0.0002		
6/14/2018		<0.0002			<0.0002		<0.0002	<0.0002
9/24/2018		<0.0002						
9/27/2018	<0.0002							
9/28/2018			<0.0002					
10/2/2018						<0.0002		
10/3/2018				<0.0002	<0.0002		<0.0002	<0.0002
2/25/2019	<0.0002	<0.0002						
2/26/2019			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/3/2020	<0.0002	<0.0002						
2/4/2020				<0.0002	0.00016 (J)	<0.0002		0.00011 (J)
2/5/2020			<0.0002				<0.0002	
3/16/2020	<0.0002	<0.0002						
3/17/2020			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/21/2020		<0.0002			<0.0002			<0.0002
9/22/2020	<0.0002		<0.0002	<0.0002		<0.0002	<0.0002	
2/2/2021	<0.0002	<0.0002	<0.0002		<0.0002		<0.0002	<0.0002
2/3/2021				<0.0002		<0.0002		
2/28/2022								<0.0002
3/1/2022	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		
3/3/2022			<0.0002				<0.0002	
8/15/2022	<0.0002	<0.0002		<0.0002		<0.0002		
8/16/2022			<0.0002		<0.0002		<0.0002	<0.0002
2/14/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/15/2023								<0.0002
8/14/2023	<0.0002	<0.0002						
8/15/2023			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/13/2024	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/16/2024				<0.0002				
7/30/2024	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
2/10/2025	<0.0002	<0.0002			<0.0002			
2/11/2025			<0.0002			<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-5 (bg)	WGWA-7 (bg)
5/17/2016	<0.015	<0.015	0.00367 (J)					
5/18/2016				<0.015	<0.015	<0.015	<0.015	<0.015
7/19/2016	<0.015	<0.015	0.002 (J)		<0.015		<0.015	<0.015
7/20/2016				<0.015		<0.015		
9/13/2016	<0.015	<0.015	0.0014 (J)	<0.015	<0.015	<0.015		<0.015
9/14/2016							0.016 (O)	
11/9/2016	<0.015	<0.015	<0.015		<0.015			
11/10/2016				<0.015		<0.015		<0.015
1/17/2017	<0.015	<0.015						
1/18/2017				<0.015	<0.015	<0.015		0.001 (J)
1/19/2017			<0.015				<0.015	
3/13/2017	<0.015	<0.015						
3/14/2017			0.0072 (J)	<0.015	<0.015	0.00087 (J)	<0.015	0.0014 (J)
4/24/2017	<0.015	<0.015						
4/25/2017			0.0036 (J)	<0.015	<0.015	0.00098 (J)	<0.015	<0.015
8/8/2017	0.0017 (J)	<0.015	<0.015		<0.015	<0.015		<0.015
8/9/2017				<0.015			<0.015	
8/25/2017							<0.015	
3/27/2018	<0.015	<0.015						
3/28/2018			0.00089 (J)	<0.015	<0.015	<0.015	<0.015	<0.015
6/13/2018	<0.015		<0.015		<0.015		<0.015	
6/14/2018		<0.015		<0.015		<0.015		<0.015
9/24/2018		<0.015						
9/27/2018	<0.015							
9/28/2018			<0.015					
10/2/2018					<0.015			
10/3/2018				<0.015		<0.015	<0.015	<0.015
2/25/2019	<0.015	<0.015						
2/26/2019			0.0019 (J)	<0.015	<0.015	<0.015	<0.015	<0.015
4/1/2019	<0.015	<0.015						
4/2/2019			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
9/16/2019	<0.015				0.001 (J)		0.001 (J)	
9/17/2019		<0.015	<0.015	<0.015				
9/18/2019						<0.015		<0.015
2/3/2020	<0.015	<0.015						
2/4/2020				<0.015	<0.015	<0.015	<0.015	
2/5/2020			<0.015					<0.015
3/16/2020	<0.015	<0.015						
3/17/2020			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
9/21/2020		<0.015		<0.015		<0.015		
9/22/2020	<0.015		0.00097 (J)		<0.015		0.0025 (J)	<0.015
2/2/2021	<0.015	<0.015	<0.015	<0.015		<0.015		<0.015
2/3/2021					<0.015		<0.015	
3/10/2021		<0.015	<0.015	<0.015		<0.015	<0.015	<0.015
3/11/2021	<0.015				<0.015			
8/23/2021		<0.015						
8/24/2021	<0.015			<0.015	<0.015		<0.015	<0.015
8/25/2021			<0.015			<0.015		
2/28/2022				<0.015				
3/1/2022	<0.015	<0.015			<0.015	<0.015	<0.015	
3/3/2022			<0.015					<0.015
8/15/2022	<0.015	<0.015			<0.015		<0.015	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-5 (bg)	WGWA-7 (bg)
8/16/2022			<0.015	<0.015		<0.015		<0.015
2/14/2023	<0.015	<0.015	<0.015		<0.015	<0.015	<0.015	<0.015
2/15/2023				<0.015				
8/14/2023	<0.015	<0.015						
8/15/2023			<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
2/13/2024	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		0.0012 (J)
2/16/2024							<0.015	
7/30/2024	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015
2/10/2025	<0.015	<0.015				<0.015		
2/11/2025			<0.015	<0.015	<0.015			<0.015

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	<0.005	<0.005	<0.005					
5/18/2016				<0.005	<0.005	<0.005	<0.005	<0.005
7/19/2016	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005
7/20/2016				<0.005		<0.005		
9/13/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
9/14/2016								<0.005
11/9/2016	<0.005	<0.005	<0.005		<0.005			
11/10/2016				<0.005		<0.005	<0.005	
1/17/2017	<0.005	<0.005						
1/18/2017				<0.005	<0.005	<0.005	<0.005	
1/19/2017			<0.005					<0.005
3/13/2017	<0.005	<0.005						
3/14/2017			0.0028	<0.005	<0.005	0.00026 (J)	<0.005	<0.005
4/24/2017	<0.005	<0.005						
4/25/2017			0.0018	<0.005	<0.005	0.00035 (J)	<0.005	<0.005
8/8/2017	0.0013	<0.005	<0.005		<0.005	<0.005	<0.005	
8/9/2017				<0.005				<0.005
8/25/2017								<0.005
3/27/2018	0.00055 (J)	<0.005						
3/28/2018			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/13/2018	<0.005		<0.005		<0.005			0.00025 (J)
6/14/2018		<0.005		0.00032 (J)		<0.005	<0.005	
9/24/2018		<0.005						
9/27/2018	<0.005							
9/28/2018			<0.005					
10/2/2018					<0.005			
10/3/2018				<0.005		<0.005	<0.005	<0.005
2/25/2019	<0.005	<0.005						
2/26/2019			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2019	<0.005	<0.005						
4/2/2019			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/16/2019	<0.005				<0.005			<0.005
9/17/2019		<0.005	<0.005	<0.005				
9/18/2019						<0.005	<0.005	
2/3/2020	<0.005	<0.005						
2/4/2020				<0.005	<0.005	<0.005		<0.005
2/5/2020			<0.005				<0.005	
3/16/2020	<0.005	0.0026 (J)						
3/17/2020			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/21/2020		<0.005		<0.005		<0.005		
9/22/2020	<0.005		<0.005		<0.005		<0.005	<0.005
2/2/2021	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	
2/3/2021					<0.005			<0.005
3/10/2021		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
3/11/2021	<0.005				<0.005			
8/23/2021		<0.005						
8/24/2021	<0.005			<0.005	<0.005		<0.005	<0.005
8/25/2021			<0.005			<0.005		
2/28/2022				<0.005				
3/1/2022	<0.005	<0.005			<0.005	<0.005		<0.005
3/3/2022			<0.005				<0.005	
8/15/2022	<0.005	<0.005			<0.005			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
8/16/2022			<0.005	<0.005		<0.005	<0.005	
2/14/2023	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
2/15/2023				<0.005				
8/14/2023	<0.005	<0.005						
8/15/2023			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/13/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/16/2024								<0.005
7/30/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/10/2025	<0.005	<0.005				<0.005		
2/11/2025			<0.005	<0.005	<0.005		<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
5/17/2016	<0.001	<0.001	<0.001					
5/18/2016				<0.001	<0.001	<0.001	<0.001	<0.001
7/19/2016	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001
7/20/2016				<0.001		<0.001		
9/13/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/14/2016								9E-05 (J)
11/9/2016	<0.001	<0.001	<0.001		<0.001			
11/10/2016				<0.001		<0.001	<0.001	
1/17/2017	<0.001	<0.001						
1/18/2017				<0.001	<0.001	<0.001	<0.001	
1/19/2017			<0.001					<0.001
3/13/2017	<0.001	<0.001						
3/14/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/24/2017	<0.001	<0.001						
4/25/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
8/9/2017				<0.001				<0.001
8/25/2017								<0.001
3/27/2018	<0.001	<0.001						
3/28/2018			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/13/2018	<0.001		<0.001		<0.001			<0.001
6/14/2018		<0.001		<0.001		<0.001	<0.001	
9/24/2018		<0.001						
9/27/2018	<0.001							
9/28/2018			<0.001					
10/2/2018					<0.001			
10/3/2018				<0.001		<0.001	<0.001	<0.001
2/25/2019	<0.001	<0.001						
2/26/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001						
4/2/2019			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/16/2019	0.00016 (J)				0.00062 (J)			<0.001
9/17/2019		<0.001	<0.001	<0.001				
9/18/2019						<0.001	<0.001	
2/3/2020	<0.001	0.0002 (J)						
2/4/2020				<0.001	<0.001	<0.001		<0.001
2/5/2020			<0.001				0.00026 (J)	
3/16/2020	0.00036 (J)	0.0003 (J)						
3/17/2020			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/21/2020		<0.001		<0.001		<0.001		
9/22/2020	<0.001		<0.001		<0.001		<0.001	<0.001
2/2/2021	<0.001	0.0004 (J)	<0.001	<0.001		<0.001	<0.001	
2/3/2021					<0.001			0.00042 (J)
3/10/2021		0.00073 (J)	<0.001	0.00017 (J)		0.00028 (J)	<0.001	<0.001
3/11/2021	0.00045 (J)				<0.001			
8/23/2021		<0.001						
8/24/2021	<0.001			<0.001	<0.001		<0.001	<0.001
8/25/2021			<0.001			<0.001		
2/28/2022				<0.001				
3/1/2022	<0.001	<0.001			<0.001	<0.001		<0.001
3/3/2022			<0.001				<0.001	
8/15/2022	<0.001	<0.001			<0.001			<0.001

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 2:22 PM View: Upper Tolerance Limits

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWA-1 (bg)	WGWA-2 (bg)	WGWA-18 (bg)	WGWA-4 (bg)	WGWA-6 (bg)	WGWA-3 (bg)	WGWA-7 (bg)	WGWA-5 (bg)
8/16/2022			<0.001	<0.001		<0.001	<0.001	
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
2/15/2023				<0.001				
8/14/2023	<0.001	<0.001						
8/15/2023			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/13/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/16/2024								<0.001
7/30/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/10/2025	<0.001	<0.001				<0.001		
2/11/2025			<0.001	<0.001	<0.001		<0.001	

ND substitution: RL or RL/2 if <15% NDs.

FIGURE G.

WANSLEY AP GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0022	0.006
Arsenic, Total (mg/L)	0.01		0.0014	0.01
Barium, Total (mg/L)	2		0.062	2
Beryllium, Total (mg/L)	0.004		0.0025	0.004
Cadmium, Total (mg/L)	0.005		0.0025	0.005
Chromium, Total (mg/L)	0.1		0.0063	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.0066	0.0066
Combined Radium, Total (pCi/L)	5		13.1	13.1
Fluoride, Total (mg/L)	4		0.28	4
Lead, Total (mg/L)	n/a	0.015	0.0015	0.015
Lithium, Total (mg/L)	n/a	0.04	0.013	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.015	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

GWPS = Groundwater Protection Standard

MCL = Maximum Contaminant Level

CCR = Coal Combustion Residual

Highlighted cells indicate background is higher than established limit.

FIGURE H.

Appendix IV Confidence Intervals - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	**WGWC-20**	**0.0115**	**0.008902**	**0.004**	**Yes**	**10**	**0.0102**	**0.001454**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	**WGWC-24**	**0.01133**	**0.004591**	**0.004**	**Yes**	**10**	**0.00796**	**0.003776**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**WGWC-24**	**0.09563**	**0.03017**	**0.0066**	**Yes**	**10**	**0.0629**	**0.03669**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-19**	**0.05699**	**0.05012**	**0.04**	**Yes**	**27**	**0.05356**	**0.007202**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-20**	**0.1452**	**0.1165**	**0.04**	**Yes**	**12**	**0.1308**	**0.01832**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-21**	**0.06974**	**0.04901**	**0.04**	**Yes**	**8**	**0.05938**	**0.009782**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-28D**	**0.2198**	**0.1762**	**0.04**	**Yes**	**5**	**0.198**	**0.01304**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	WGWC-8	0.0074	0.00064	0.006	No	21	0.002902	0.002547	80.95	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-9	0.0043	0.0011	0.006	No	21	0.0026	0.002174	57.14	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-11	0.002	0.00053	0.006	No	21	0.00193	0.0003208	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-12	0.0023	0.002	0.006	No	21	0.002014	0.00006547	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-19	0.002	0.00058	0.006	No	21	0.001932	0.0003099	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	WGWC-20	0.002	0.00066	0.006	No	10	0.001489	0.0006786	60	None	No	0.011	NP (NDs)
Antimony (mg/L)	WGWC-21	0.002	0.00055	0.006	No	10	0.001584	0.0006725	70	None	No	0.011	NP (NDs)
Antimony (mg/L)	WGWC-22	0.002	0.00076	0.006	No	10	0.00141	0.000642	50	None	No	0.011	NP (normality)
Antimony (mg/L)	WGWC-23	0.002	0.0013	0.006	No	10	0.00185	0.0003308	60	None	No	0.011	NP (NDs)
Antimony (mg/L)	WGWC-27	0.002	0.00047	0.006	No	6	0.001422	0.0007291	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	WGWC-28D	0.002	0.00057	0.006	No	4	0.001643	0.000715	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	PZ-26D	0.002	0.00038	0.006	No	4	0.001595	0.00081	75	None	No	0.0625	NP (NDs)
Arsenic (mg/L)	WGWC-8	0.001054	0.0006887	0.01	No	27	0.001037	0.0003114	40.74	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	WGWC-9	0.001	0.00078	0.01	No	27	0.0009981	0.0001775	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-10	0.001	0.00089	0.01	No	27	0.0009048	0.0002236	81.48	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-11	0.001	0.00054	0.01	No	27	0.0009452	0.0001583	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-12	0.001	0.001	0.01	No	27	0.0009396	0.0001753	85.19	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-13	0.001	0.00048	0.01	No	27	0.0008141	0.0003059	55.56	None	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-14A	0.0014	0.001	0.01	No	27	0.00118	0.0005115	74.07	None	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-15	0.001695	0.0009401	0.01	No	27	0.001513	0.0007641	18.52	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	WGWC-16	0.0013	0.001	0.01	No	27	0.001117	0.0002917	62.96	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-17	0.001	0.00076	0.01	No	27	0.0008815	0.0001921	62.96	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	WGWC-20	0.000959	0.0003444	0.01	No	10	0.000814	0.0003158	40	Kaplan-Meier	x^2	0.01	Param.
Arsenic (mg/L)	WGWC-21	0.001	0.00036	0.01	No	10	0.000757	0.0002929	50	None	No	0.011	NP (normality)
Arsenic (mg/L)	WGWC-22	0.001	0.00046	0.01	No	10	0.000885	0.0002735	70	None	No	0.011	NP (NDs)
Arsenic (mg/L)	WGWC-24	0.001912	0.0003128	0.01	No	10	0.001392	0.0009789	40	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	WGWC-25	0.001	0.001	0.01	No	10	0.000996	0.00001265	90	Kaplan-Meier	No	0.011	NP (NDs)
Arsenic (mg/L)	WGWC-28D	0.003154	0.0003459	0.01	No	4	0.00175	0.0007141	25	Kaplan-Meier	No	0.01	Param.
Barium (mg/L)	WGWC-8	0.01	0.0013	2	No	27	0.004463	0.004045	33.33	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-9	0.01	0.0014	2	No	27	0.00552	0.004422	48.15	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-10	0.03937	0.03422	2	No	27	0.03711	0.00608	0	None	ln(x)	0.01	Param.
Barium (mg/L)	WGWC-11	0.04228	0.03461	2	No	27	0.03844	0.008035	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-12	0.018	0.015	2	No	27	0.01683	0.003667	0	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-13	0.05273	0.04416	2	No	27	0.04844	0.008984	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-14A	0.042	0.027	2	No	27	0.03593	0.01307	0	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-15	0.02666	0.02205	2	No	27	0.02436	0.00484	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-16	0.05269	0.03933	2	No	27	0.0468	0.01444	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	WGWC-17	0.017	0.011	2	No	27	0.014	0.003835	0	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-19	0.0077	0.0012	2	No	27	0.004323	0.004059	29.63	None	No	0.01	NP (normality)
Barium (mg/L)	WGWC-20	0.01	0.01	2	No	10	0.009091	0.002875	90	None	No	0.011	NP (NDs)
Barium (mg/L)	WGWC-21	0.007505	0.004375	2	No	10	0.00594	0.001754	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-22	0.03674	0.02226	2	No	10	0.0295	0.008114	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-23	0.01139	0.006246	2	No	10	0.00882	0.002885	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-24	0.04826	0.03254	2	No	10	0.0404	0.008809	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-25	0.3747	0.2053	2	No	10	0.29	0.09499	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-27	0.004947	0.00332	2	No	6	0.004133	0.0005922	0	None	No	0.01	Param.
Barium (mg/L)	WGWC-28D	0.02102	0.006481	2	No	4	0.01375	0.003202	0	None	No	0.01	Param.
Barium (mg/L)	PZ-26D	0.02903	0.01397	2	No	4	0.0215	0.003317	0	None	No	0.01	Param.
Beryllium (mg/L)	WGWC-8	0.002243	0.001753	0.004	No	27	0.001998	0.0005139	0	None	No	0.01	Param.
Beryllium (mg/L)	WGWC-9	0.0025	0.00036	0.004	No	27	0.001089	0.001018	33.33	None	No	0.01	NP (normality)
Beryllium (mg/L)	WGWC-14A	0.0025	0.00026	0.004	No	27	0.001585	0.001125	59.26	None	No	0.01	NP (NDs)
Beryllium (mg/L)	WGWC-16	0.0025	0.00022	0.004	No	27	0.002416	0.0004388	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	**WGWC-20**	**0.0115**	**0.008902**	**0.004**	**Yes**	**10**	**0.0102**	**0.001454**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	WGWC-21	0.0025	0.00021	0.004	No	10	0.001372	0.001189	50	None	No	0.011	NP (normality)
Beryllium (mg/L)	WGWC-22	0.0006524	0.0005276	0.004	No	10	0.00059	0.00006992	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	WGWC-23	0.001363	0.0009449	0.004	No	10	0.001154	0.0002343	0	None	No	0.01	Param.
Beryllium (mg/L)	**WGWC-24**	**0.01133**	**0.004591**	**0.004**	**Yes**	**10**	**0.00796**	**0.003776**	**0**	**None**	**No**	**0.01**	**Param.**
Beryllium (mg/L)	WGWC-25	0.0025	0.00022	0.004	No	10	0.001376	0.001185	50	None	No	0.011	NP (normality)
Beryllium (mg/L)	WGWC-27	0.001304	0	0.004	No	6	0.0008533	0.0003859	0	None	x^3	0.01	Param.
Beryllium (mg/L)	WGWC-28D	0.002904	0.0002615	0.004	No	4	0.001583	0.0005819	0	None	No	0.01	Param.
Cadmium (mg/L)	WGWC-8	0.0025	0.00065	0.005	No	25	0.002151	0.0008204	84	None	No	0.01	NP (NDs)
Cadmium (mg/L)	WGWC-10	0.0025	0.00021	0.005	No	25	0.002408	0.000458	96	None	No	0.01	NP (NDs)
Cadmium (mg/L)	WGWC-16	0.0025	0.00054	0.005	No	25	0.001369	0.001035	44	None	No	0.01	NP (normality)
Cadmium (mg/L)	WGWC-20	0.0025	0.00022	0.005	No	10	0.001211	0.001115	40	None	No	0.011	NP (normality)
Cadmium (mg/L)	WGWC-22	0.0025	0.00011	0.005	No	10	0.001336	0.001228	50	None	No	0.011	NP (normality)
Cadmium (mg/L)	WGWC-24	0.000457	0.00013	0.005	No	10	0.0002935	0.0001833	0	None	No	0.01	Param.
Cadmium (mg/L)	WGWC-25	0.0025	0.00012	0.005	No	10	0.002022	0.001008	80	None	No	0.011	NP (NDs)
Cadmium (mg/L)	WGWC-27	0.0025	0.00008	0.005	No	6	0.002097	0.000988	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	WGWC-9	0.0025	0.002	0.1	No	27	0.002019	0.00009623	92.59	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-10	0.002461	0.001709	0.1	No	27	0.002085	0.0007887	11.11	None	No	0.01	Param.
Chromium (mg/L)	WGWC-11	0.002	0.0017	0.1	No	27	0.00193	0.0002334	85.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-13	0.002	0.0019	0.1	No	27	0.001967	0.00008771	85.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-14A	0.002	0.0017	0.1	No	27	0.001989	0.00005774	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-15	0.002	0.0015	0.1	No	27	0.001981	0.00009623	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	WGWC-21	0.002	0.002	0.1	No	10	0.00195	0.0001581	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	WGWC-23	0.002	0.002	0.1	No	10	0.00197	0.00009487	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	WGWC-28D	0.002	0.002	0.1	No	4	0.002	4.7e-11	75	None	No	0.0625	NP (NDs)
Cobalt (mg/L)	WGWC-8	0.0025	0.00075	0.0066	No	27	0.00185	0.0009896	51.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-9	0.0025	0.00073	0.0066	No	27	0.002434	0.0003406	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-10	0.001233	0.0006678	0.0066	No	27	0.001366	0.0008699	18.52	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	WGWC-11	0.0025	0.00069	0.0066	No	27	0.001716	0.0009357	48.15	None	No	0.01	NP (normality)
Cobalt (mg/L)	WGWC-12	0.0008484	0.0004125	0.0066	No	27	0.000833	0.0009677	3.704	None	ln(x)	0.01	Param.
Cobalt (mg/L)	WGWC-13	0.0025	0.0008	0.0066	No	27	0.001953	0.0009489	74.07	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-14A	0.007723	0.003779	0.0066	No	27	0.006315	0.004524	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	WGWC-15	0.0025	0.00015	0.0066	No	27	0.002413	0.0004523	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	WGWC-16	0.003731	0.0005539	0.0066	No	27	0.005642	0.005703	33.33	Kaplan-Meier	x^(1/3)	0.01	Param.
Cobalt (mg/L)	WGWC-17	0.00245	0.00052	0.0066	No	27	0.001448	0.000892	25.93	None	No	0.01	NP (normality)
Cobalt (mg/L)	WGWC-19	0.0025	0.00025	0.0066	No	27	0.001292	0.001106	44.44	None	No	0.01	NP (normality)
Cobalt (mg/L)	WGWC-20	0.0025	0.00046	0.0066	No	10	0.002083	0.0008794	80	None	No	0.011	NP (NDs)
Cobalt (mg/L)	WGWC-21	0.0025	0.00039	0.0066	No	10	0.001505	0.001065	50	None	No	0.011	NP (normality)
Cobalt (mg/L)	WGWC-22	0.0025	0.00034	0.0066	No	10	0.001847	0.001052	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	WGWC-23	0.0025	0.00017	0.0066	No	10	0.001805	0.001119	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	**WGWC-24**	**0.09563**	**0.03017**	**0.0066**	**Yes**	**10**	**0.0629**	**0.03669**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	WGWC-25	0.007566	0.004094	0.0066	No	10	0.00583	0.001946	0	None	No	0.01	Param.
Cobalt (mg/L)	WGWC-27	0.002496	0.001338	0.0066	No	6	0.001917	0.0004215	0	None	No	0.01	Param.
Cobalt (mg/L)	WGWC-28D	0.00101	0.00005662	0.0066	No	4	0.001025	0.001006	25	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	PZ-26D	0.02319	0	0.0066	No	4	0.008275	0.006571	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-8	2.304	1.591	13.1	No	27	1.948	0.7477	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-9	0.48	0.14	13.1	No	27	0.382	0.4712	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	WGWC-10	0.4886	0.199	13.1	No	27	0.3438	0.3036	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-11	0.6265	0.2502	13.1	No	27	0.4383	0.3944	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-12	0.6187	0.2758	13.1	No	27	0.4473	0.3594	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-13	0.7315	0.4542	13.1	No	27	0.5928	0.2907	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-14A	0.8055	0.5495	13.1	No	27	0.6972	0.2912	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-15	0.6966	0.3462	13.1	No	27	0.5214	0.3673	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-16	1.459	0.7523	13.1	No	27	1.199	0.8319	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-17	0.5278	0.2087	13.1	No	27	0.3683	0.3345	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-19	0.523	0.19	13.1	No	27	0.4158	0.3705	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	WGWC-20	1.256	0.7544	13.1	No	10	1.005	0.2812	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-21	2.015	0.7512	13.1	No	10	1.383	0.7085	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	WGWC-22	6.303	3.715	13.1	No	10	5.009	1.451	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-23	1.524	0.4583	13.1	No	10	0.9911	0.5972	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-24	1.369	0.742	13.1	No	10	1.056	0.3515	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-25	1.138	0.585	13.1	No	10	0.8613	0.3097	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-27	6.766	0.7426	13.1	No	6	3.754	2.192	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	WGWC-28D	19.89	2.236	13.1	No	4	11.07	3.889	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-26D	1.789	0.3198	13.1	No	4	1.055	0.3236	0	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-8	0.2979	0.1796	4	No	28	0.2388	0.1266	10.71	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-9	1.375	1.044	4	No	28	1.21	0.3539	0	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-10	0.159	0.1185	4	No	28	0.1388	0.04328	7.143	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-11	0.2	0.047	4	No	28	0.1379	0.07743	57.14	None	No	0.01	NP (NDs)
Fluoride (mg/L)	WGWC-12	0.09367	0.07072	4	No	28	0.1078	0.04906	17.86	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	WGWC-13	0.2628	0.1918	4	No	28	0.2273	0.07597	7.143	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-14A	0.2	0.057	4	No	28	0.1497	0.07476	67.86	None	No	0.01	NP (NDs)
Fluoride (mg/L)	WGWC-15	0.845	0.7578	4	No	28	0.8014	0.09329	0	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-16	0.1286	0.07105	4	No	28	0.1559	0.1604	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	WGWC-17	0.1215	0.08168	4	No	28	0.1016	0.04264	10.71	None	No	0.01	Param.
Fluoride (mg/L)	WGWC-19	0.37	0.3165	4	No	28	0.3371	0.07151	0	None	x^2	0.01	Param.
Fluoride (mg/L)	WGWC-20	2.047	1.114	4	No	12	1.667	0.7152	16.67	Kaplan-Meier	x^3	0.01	Param.
Fluoride (mg/L)	WGWC-21	1.898	1.161	4	No	12	1.583	0.6631	16.67	Kaplan-Meier	x^3	0.01	Param.
Fluoride (mg/L)	WGWC-22	0.6207	0.2384	4	No	12	0.485	0.3755	16.67	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	WGWC-23	0.2	0.043	4	No	12	0.08042	0.05963	16.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	WGWC-24	0.8251	0.2105	4	No	12	0.5908	0.4015	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	WGWC-25	0.2	0.028	4	No	12	0.1325	0.08364	58.33	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	WGWC-27	1.241	0.2922	4	No	6	0.7667	0.3783	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	WGWC-28D	2.1	0.2	4	No	5	0.86	0.9209	60	Kaplan-Meier	No	0.031	NP (NDs)
Fluoride (mg/L)	PZ-26D	0.2895	0.06718	4	No	6	0.215	0.06504	16.67	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	WGWC-8	0.001	0.00029	0.015	No	25	0.0007272	0.0003799	64	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-9	0.001	0.00014	0.015	No	25	0.0009656	0.000172	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-10	0.001	0.00026	0.015	No	25	0.0006864	0.0003751	56	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-11	0.001	0.00058	0.015	No	25	0.0009024	0.0002338	84	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-12	0.001	0.00033	0.015	No	25	0.0009732	0.000134	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-13	0.001	0.00038	0.015	No	25	0.0006552	0.0003242	36	None	No	0.01	NP (normality)
Lead (mg/L)	WGWC-14A	0.001	0.00031	0.015	No	25	0.0007152	0.0003651	60	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-15	0.001	0.0003	0.015	No	25	0.000972	0.00014	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-16	0.001	0.00014	0.015	No	25	0.0009308	0.0002395	92	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-17	0.001	0.00033	0.015	No	25	0.0009412	0.0002044	92	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-19	0.001	0.0003	0.015	No	25	0.000972	0.00014	96	None	No	0.01	NP (NDs)
Lead (mg/L)	WGWC-22	0.001	0.00023	0.015	No	10	0.000641	0.0003818	50	None	No	0.011	NP (normality)
Lead (mg/L)	WGWC-23	0.002	0.001	0.015	No	10	0.00146	0.001147	80	None	No	0.011	NP (NDs)
Lead (mg/L)	WGWC-24	0.0008185	0.0002895	0.015	No	10	0.000554	0.0002965	0	None	No	0.01	Param.
Lead (mg/L)	WGWC-25	0.001	0.001	0.015	No	10	0.000965	0.0001107	90	None	No	0.011	NP (NDs)
Lead (mg/L)	WGWC-28D	0.001	0.00022	0.015	No	4	0.000805	0.00039	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	PZ-26D	0.001	0.001	0.015	No	4	0.001	2.4e-11	75	None	No	0.0625	NP (NDs)
Lithium (mg/L)	WGWC-8	0.015	0.013	0.04	No	27	0.01578	0.008964	0	None	No	0.01	NP (normality)
Lithium (mg/L)	WGWC-9	0.03624	0.0315	0.04	No	27	0.03387	0.004972	0	None	No	0.01	Param.
Lithium (mg/L)	WGWC-10	0.01164	0.005906	0.04	No	27	0.009548	0.006978	3.704	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	WGWC-11	0.005	0.0025	0.04	No	27	0.00436	0.00139	81.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-12	0.0077	0.0061	0.04	No	27	0.007181	0.004004	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	WGWC-13	0.005	0.0037	0.04	No	27	0.004289	0.001186	70.37	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-14A	0.005	0.0033	0.04	No	27	0.004152	0.001319	66.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-15	0.007123	0.00541	0.04	No	27	0.006267	0.001796	7.407	None	No	0.01	Param.
Lithium (mg/L)	WGWC-16	0.008831	0.005273	0.04	No	27	0.007052	0.00373	11.11	None	No	0.01	Param.
Lithium (mg/L)	WGWC-17	0.0056	0.0042	0.04	No	27	0.005478	0.004068	3.704	None	No	0.01	NP (normality)
Lithium (mg/L)	**WGWC-19**	**0.05699**	**0.05012**	**0.04**	**Yes**	**27**	**0.05356**	**0.007202**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	**WGWC-20**	**0.1452**	**0.1165**	**0.04**	**Yes**	**12**	**0.1308**	**0.01832**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	**WGWC-21**	**0.06974**	**0.04901**	**0.04**	**Yes**	**8**	**0.05938**	**0.009782**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	WGWC-22	0.01056	0.007365	0.04	No	12	0.0088	0.002428	0	None	x^2	0.01	Param.
Lithium (mg/L)	WGWC-23	0.005	0.0017	0.04	No	12	0.004067	0.001436	58.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	WGWC-24	0.007651	0.004165	0.04	No	12	0.005908	0.002222	0	None	No	0.01	Param.
Lithium (mg/L)	WGWC-25	0.004714	0.003445	0.04	No	12	0.004325	0.0008582	16.67	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	WGWC-27	0.04184	0.01156	0.04	No	6	0.0267	0.01102	0	None	No	0.01	Param.
Lithium (mg/L)	**WGWC-28D**	**0.2198**	**0.1762**	**0.04**	**Yes**	**5**	**0.198**	**0.01304**	**0**	**None**	**No**	**0.01**	**Param.**
Lithium (mg/L)	PZ-26D	0.03691	0.02059	0.04	No	4	0.02875	0.003594	0	None	No	0.01	Param.
Mercury (mg/L)	WGWC-8	0.0002	0.00013	0.002	No	23	0.0001877	0.00003332	86.96	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-9	0.0002	0.00013	0.002	No	23	0.000197	0.0000146	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-10	0.0002	0.00013	0.002	No	23	0.0001817	0.0000416	82.61	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-11	0.0002	0.00011	0.002	No	23	0.000191	0.00003026	91.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-12	0.0002	0.00018	0.002	No	23	0.000186	0.00003488	82.61	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-13	0.0002	0.000083	0.002	No	23	0.0001897	0.000034	91.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-14A	0.0002	0.00013	0.002	No	23	0.000197	0.0000146	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-15	0.0002	0.000093	0.002	No	23	0.0001798	0.00004518	82.61	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-16	0.0002	0.00019	0.002	No	23	0.0001904	0.00003111	86.96	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-17	0.0002	0.000074	0.002	No	23	0.0001945	0.00002627	95.65	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-19	0.0002	0.00012	0.002	No	23	0.0001911	0.00003013	91.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	WGWC-20	0.0002	0.0002	0.002	No	10	0.000213	0.00004111	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-21	0.0002	0.0002	0.002	No	10	0.0002	1.6e-12	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-22	0.0002	0.0002	0.002	No	10	0.000198	0.000006325	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-23	0.0002	0.0002	0.002	No	10	0.000202	0.000006325	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-24	0.0002	0.0002	0.002	No	10	0.000206	0.00001897	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	WGWC-25	0.0002	0.0002	0.002	No	10	0.00037	0.0005376	90	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	WGWC-9	0.0048	0.0028	0.1	No	27	0.004656	0.003105	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-10	0.015	0.00093	0.1	No	27	0.01396	0.003758	92.59	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-11	0.015	0.0017	0.1	No	27	0.01399	0.003631	92.59	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-12	0.015	0.0046	0.1	No	27	0.01198	0.005801	77.78	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-13	0.0025	0.0012	0.1	No	27	0.002461	0.002004	11.11	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-14A	0.015	0.001	0.1	No	27	0.01448	0.002694	96.3	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	WGWC-15	0.004959	0.002949	0.1	No	27	0.004511	0.003167	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	WGWC-17	0.00526	0.0023	0.1	No	27	0.003682	0.002323	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-19	0.0016	0.0012	0.1	No	27	0.004841	0.006126	25.93	None	No	0.01	NP (normality)
Molybdenum (mg/L)	WGWC-20	0.015	0.00079	0.1	No	10	0.01073	0.006879	70	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	WGWC-21	0.03917	0.02703	0.1	No	10	0.0331	0.006806	0	None	No	0.01	Param.
Molybdenum (mg/L)	WGWC-22	0.015	0.0082	0.1	No	10	0.0129	0.004747	80	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	WGWC-28D	0.018	0.0088	0.1	No	4	0.01128	0.004491	0	None	No	0.0625	NP (normality)
Molybdenum (mg/L)	PZ-26D	0.003015	0.002185	0.1	No	4	0.0026	0.0001826	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-8	0.0039	0.0033	0.05	No	27	0.003981	0.001311	0	None	No	0.01	NP (normality)
Selenium (mg/L)	WGWC-9	0.002881	0.002333	0.05	No	27	0.002607	0.0005742	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-10	0.005	0.00031	0.05	No	27	0.004826	0.0009026	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-11	0.005	0.00049	0.05	No	27	0.004833	0.0008679	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-12	0.005	0.0021	0.05	No	27	0.004893	0.0005581	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-14A	0.005	0.0003	0.05	No	27	0.004826	0.0009045	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-15	0.005	0.0005	0.05	No	27	0.004833	0.000866	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-16	0.007191	0.003354	0.05	No	27	0.006561	0.0048	11.11	None	ln(x)	0.01	Param.
Selenium (mg/L)	WGWC-19	0.005	0.00036	0.05	No	27	0.004828	0.000893	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	WGWC-20	0.003206	0.001454	0.05	No	10	0.00233	0.0009821	10	None	No	0.01	Param.
Selenium (mg/L)	WGWC-22	0.006382	0.003418	0.05	No	10	0.0049	0.001661	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-23	0.00283	0.00183	0.05	No	10	0.00233	0.0005599	0	None	No	0.01	Param.
Selenium (mg/L)	WGWC-24	0.005	0.005	0.05	No	10	0.004577	0.001338	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	WGWC-10	0.001	0.000085	0.002	No	27	0.0009661	0.0001761	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-11	0.001	0.00016	0.002	No	27	0.0009689	0.0001617	96.3	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

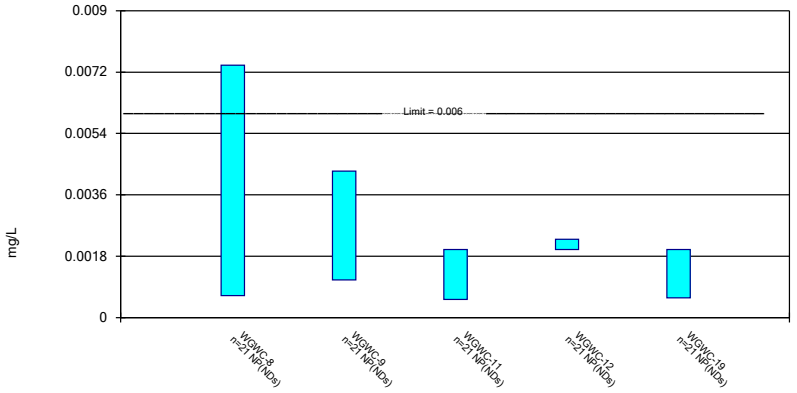
Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	WGWC-14A	0.001	0.00017	0.002	No	27	0.0006581	0.0004209	59.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-16	0.001	0.00019	0.002	No	27	0.0006319	0.0004206	55.56	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-19	0.001	0.00018	0.002	No	27	0.0009696	0.0001578	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	WGWC-22	0.001	0.001	0.002	No	10	0.000947	0.0001676	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	WGWC-24	0.000601	0.000325	0.002	No	10	0.000463	0.0001547	10	None	No	0.01	Param.

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Non-Parametric Confidence Interval

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

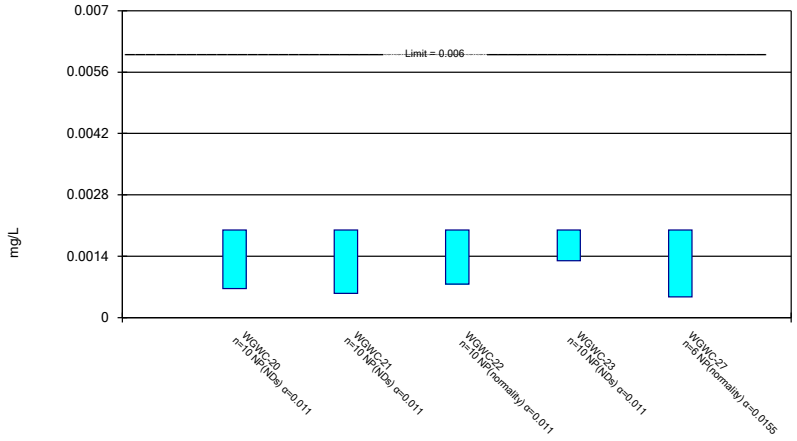


Constituent: Antimony Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

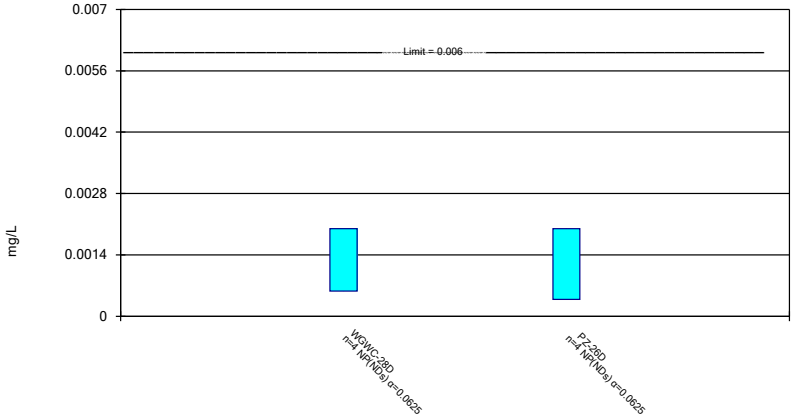


Constituent: Antimony Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

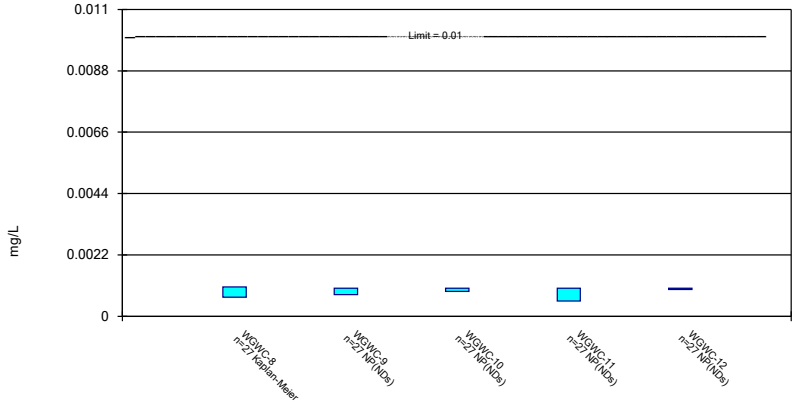


Constituent: Antimony Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

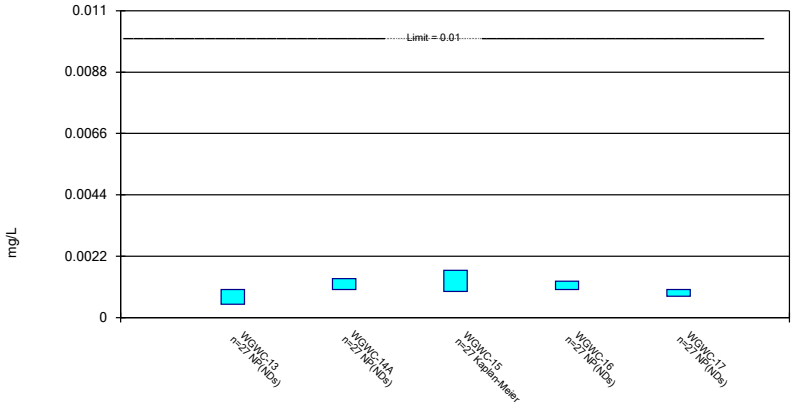


Constituent: Arsenic Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

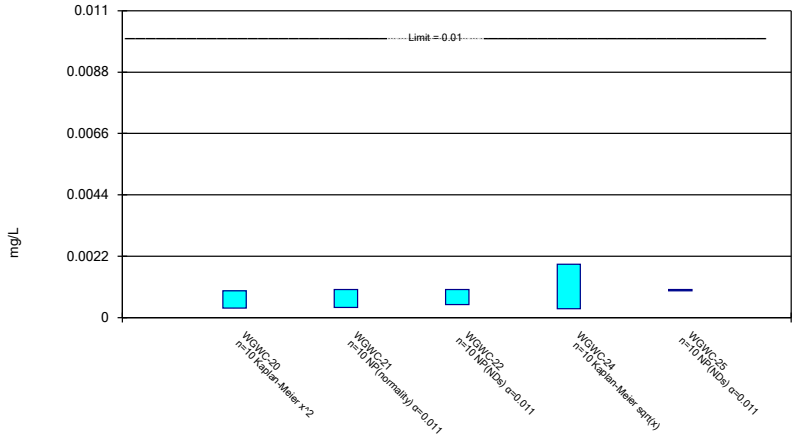


Constituent: Arsenic Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

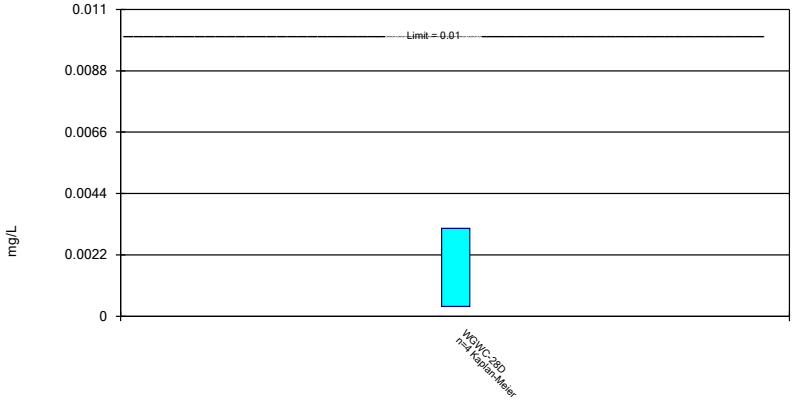


Constituent: Arsenic Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric Confidence Interval

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

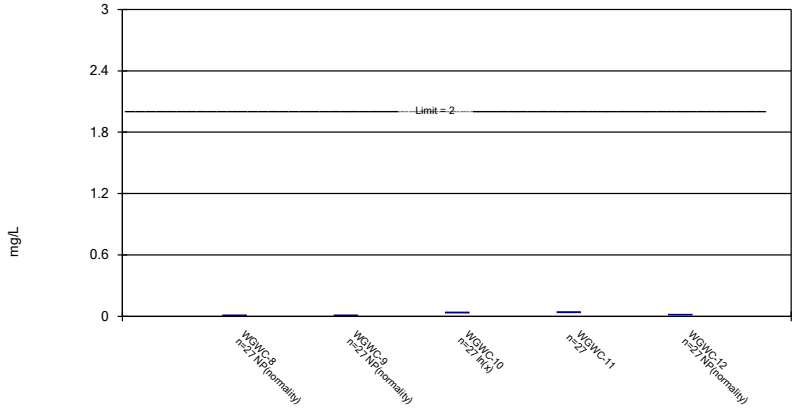


Constituent: Arsenic Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

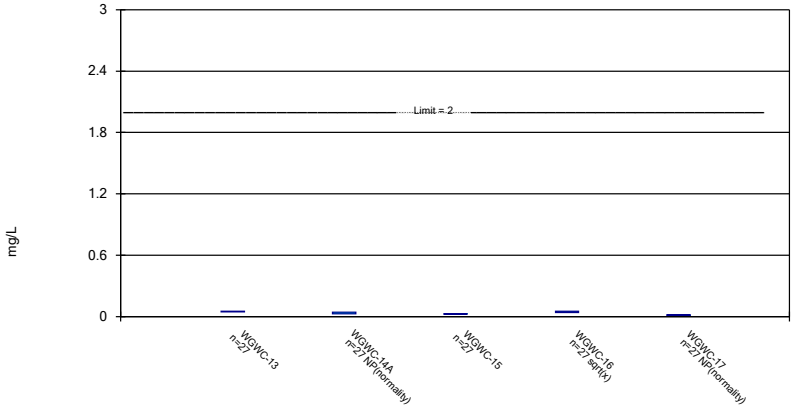


Constituent: Barium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

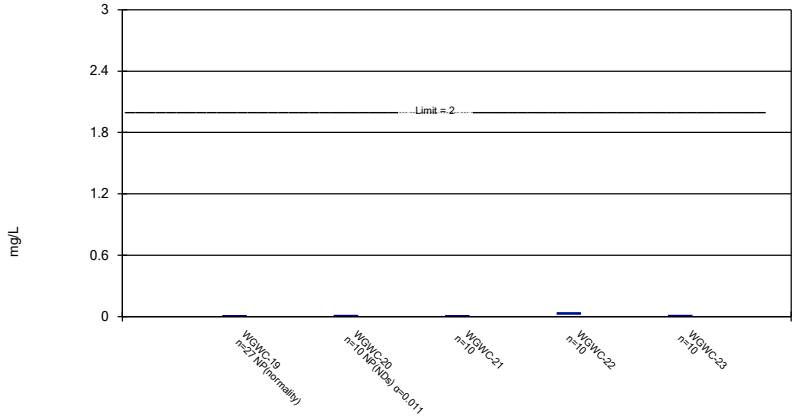


Constituent: Barium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

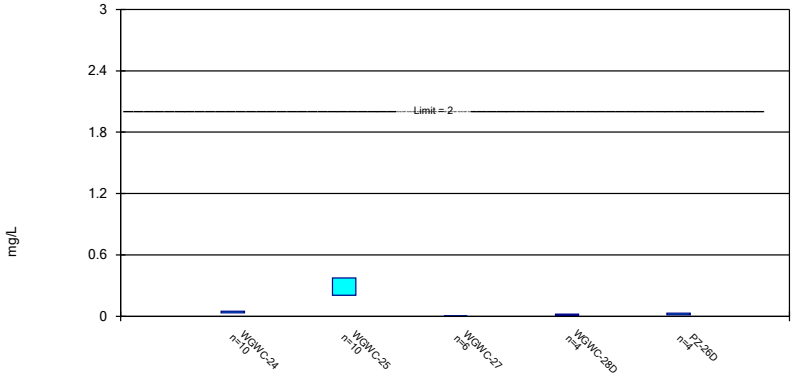


Constituent: Barium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric Confidence Interval

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

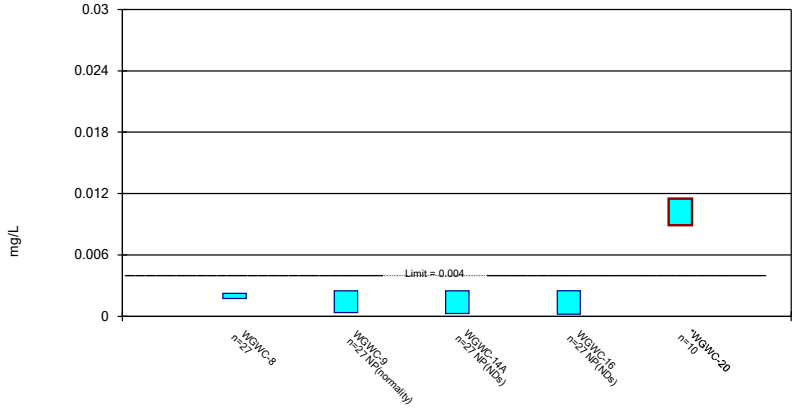


Constituent: Barium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

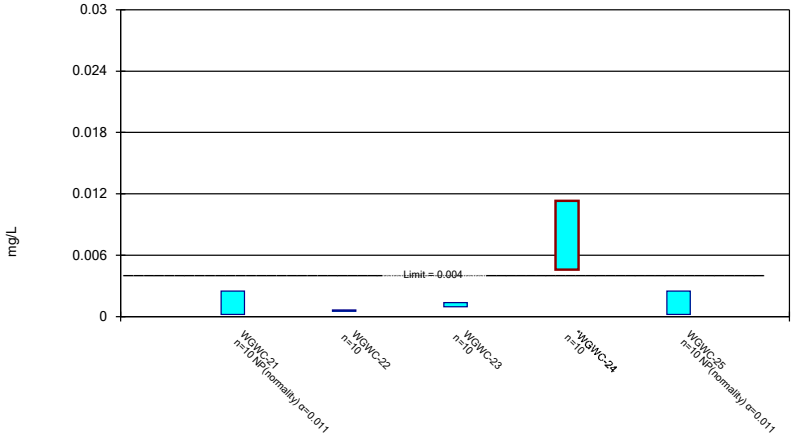


Constituent: Beryllium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

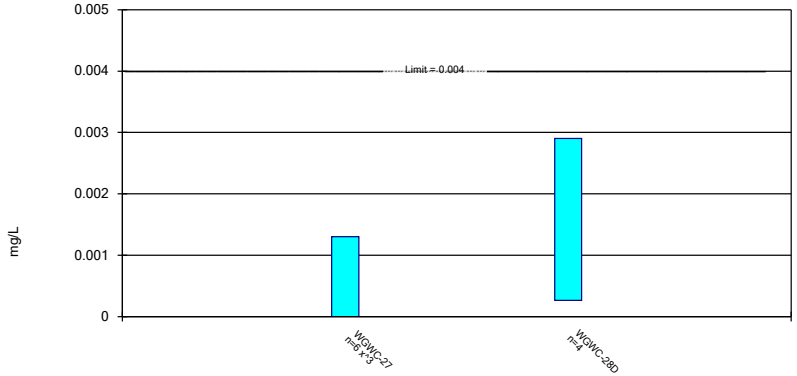


Constituent: Beryllium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric Confidence Interval

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

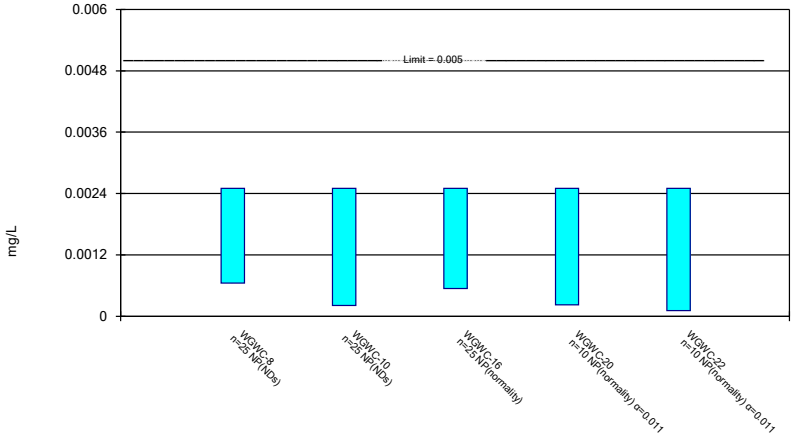


Constituent: Beryllium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Non-Parametric Confidence Interval

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

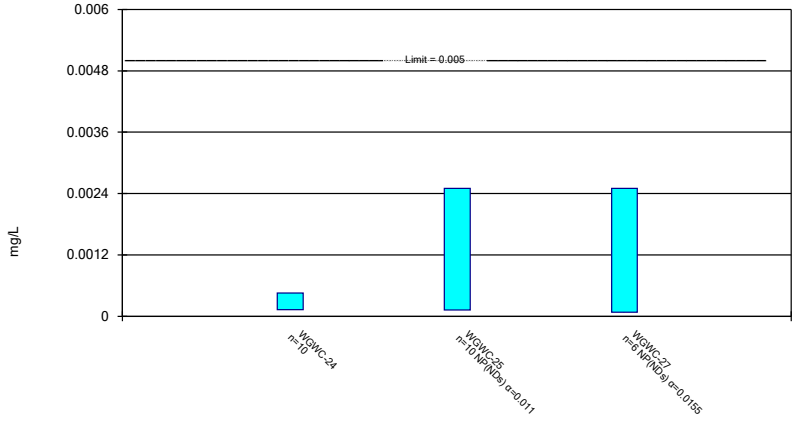


Constituent: Cadmium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

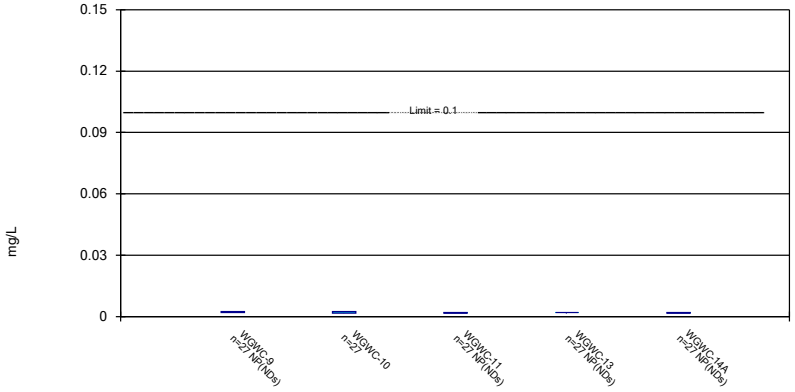


Constituent: Cadmium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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

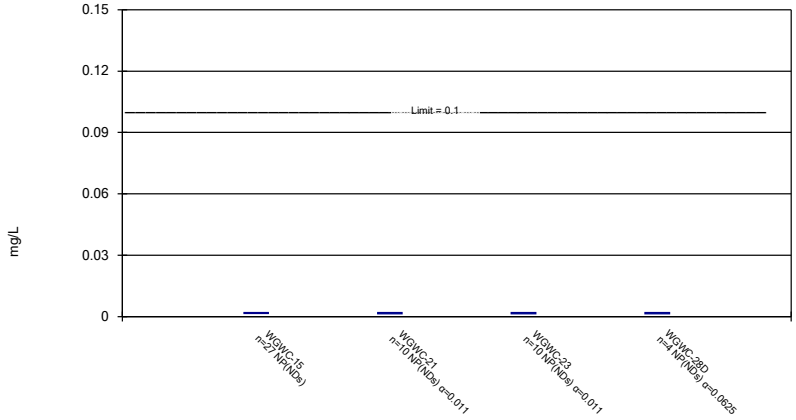


Constituent: Chromium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Non-Parametric Confidence Interval

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

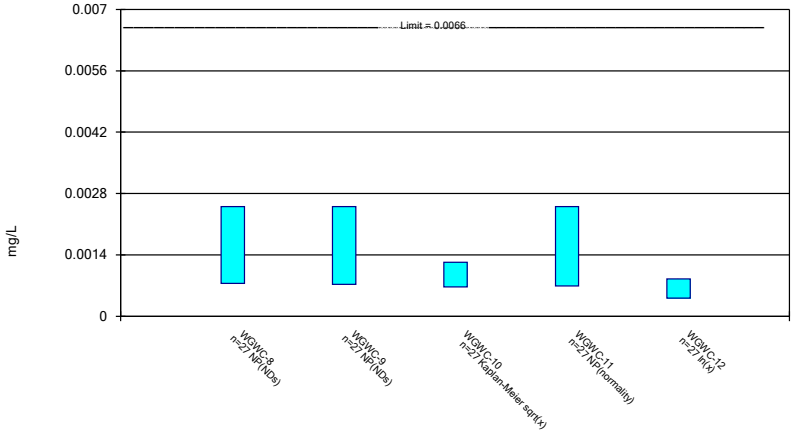


Constituent: Chromium Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

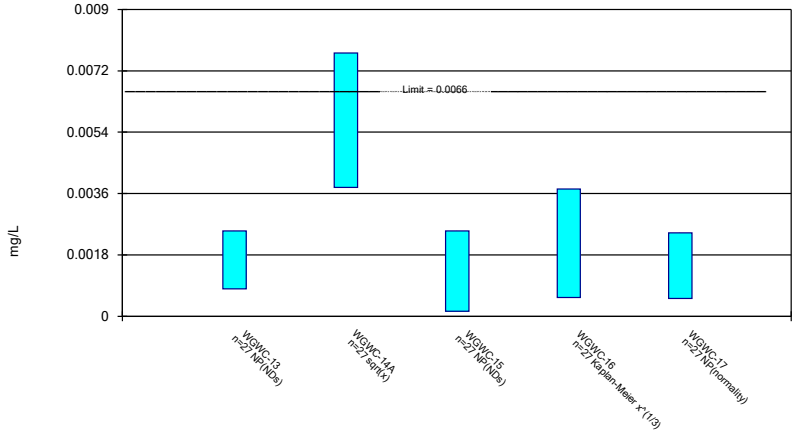


Constituent: Cobalt Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

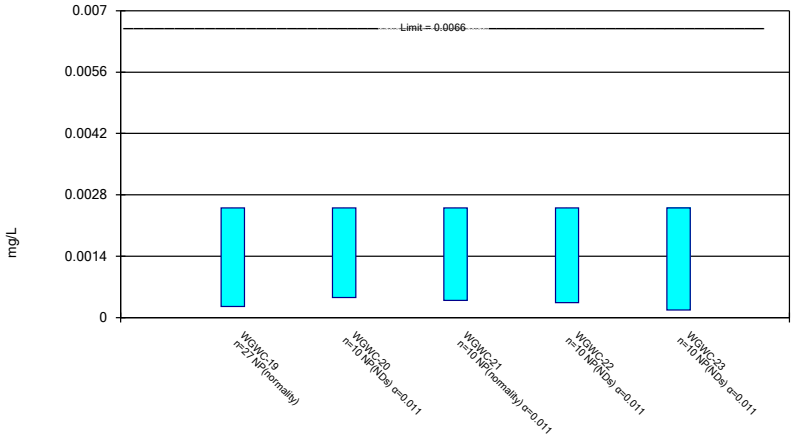


Constituent: Cobalt Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

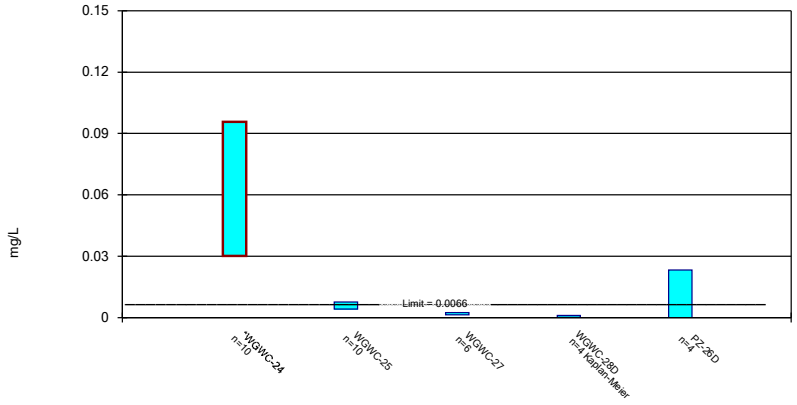


Constituent: Cobalt Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

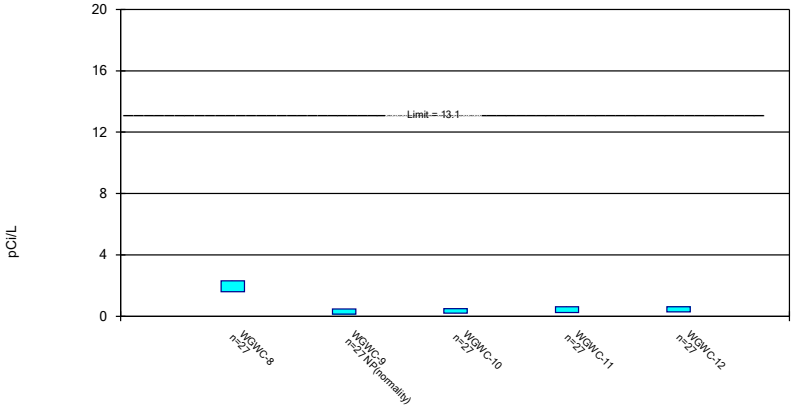


Constituent: Cobalt Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

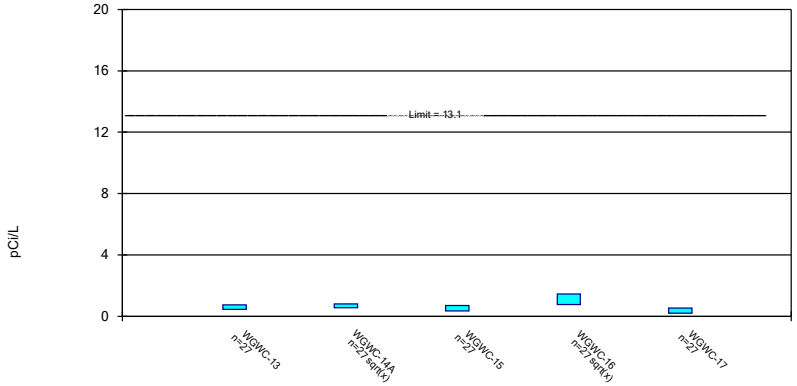


Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

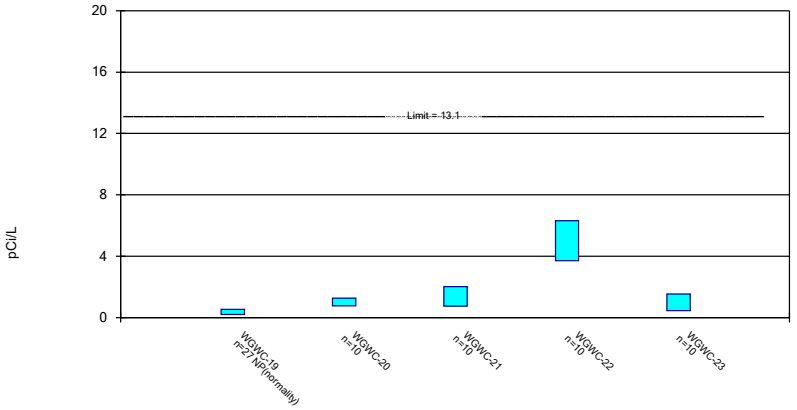


Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 2:43 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.



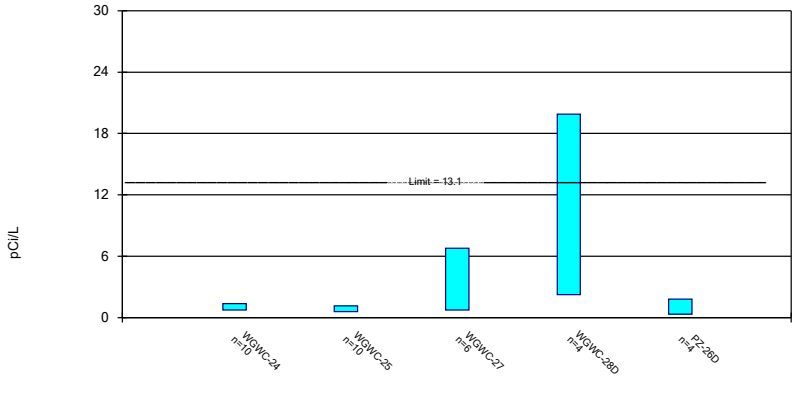
Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.



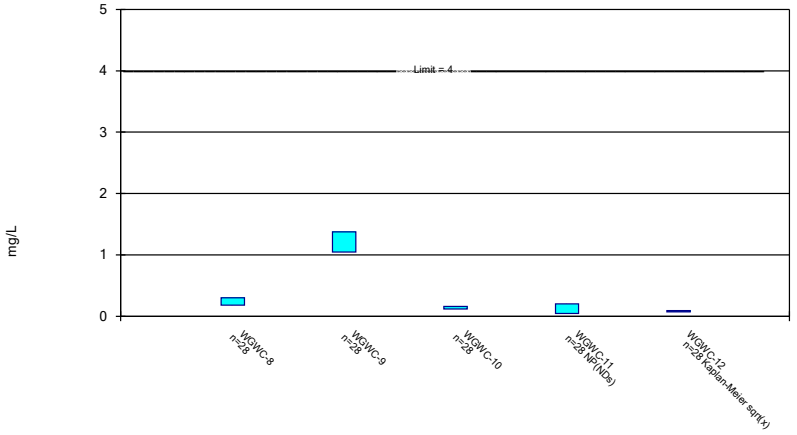
Constituent: Combined Radium 226 + 228 Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.



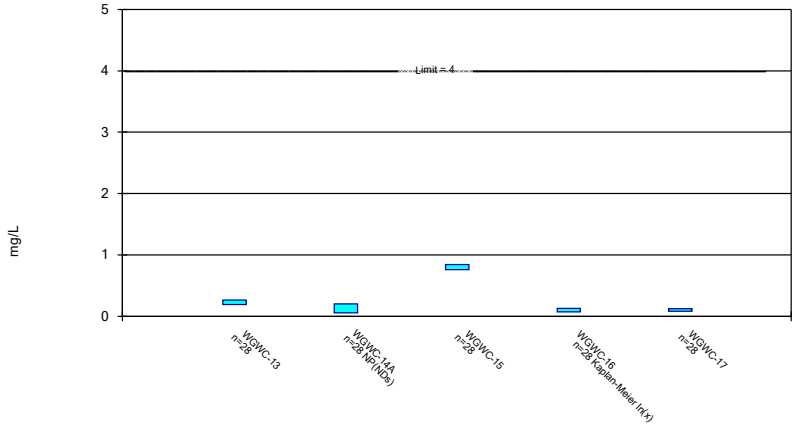
Constituent: Fluoride Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.



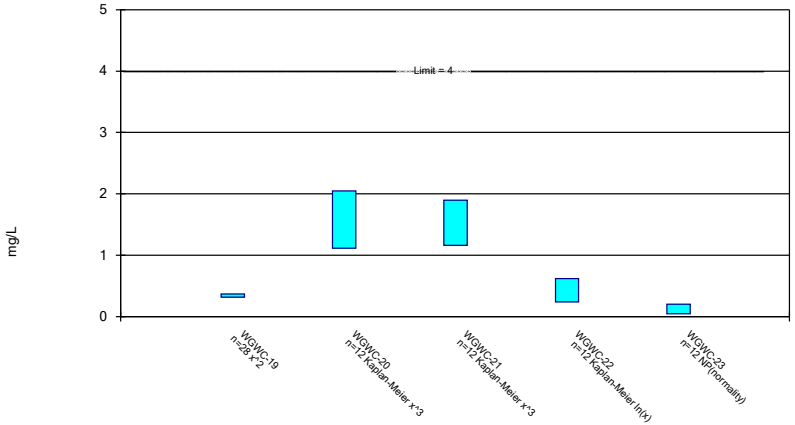
Constituent: Fluoride Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

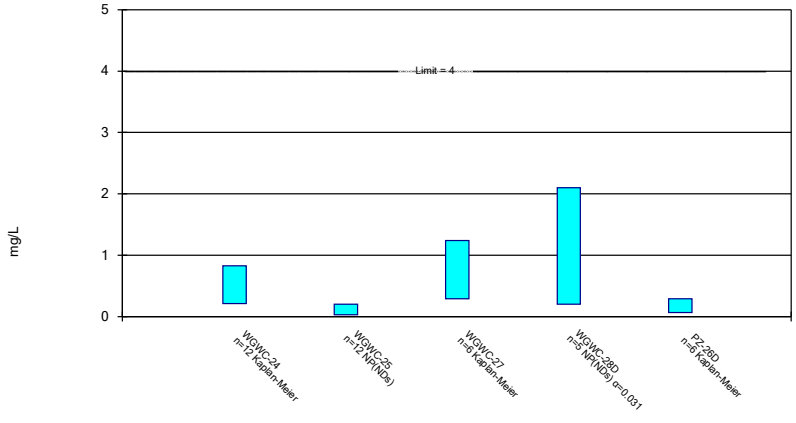


Constituent: Fluoride Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

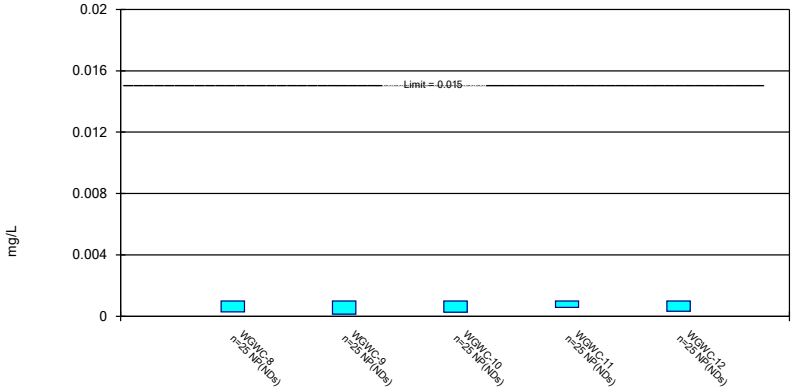


Constituent: Fluoride Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

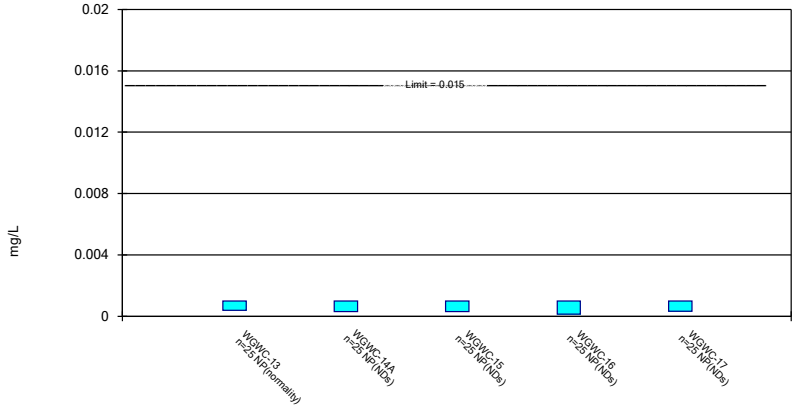


Constituent: Lead Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

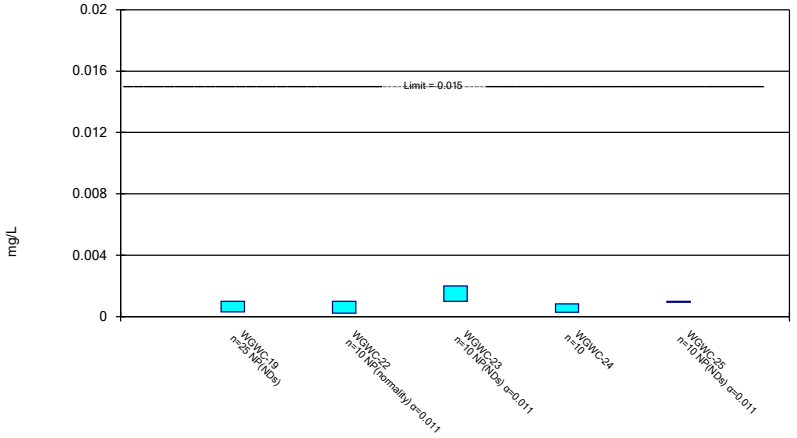


Constituent: Lead Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

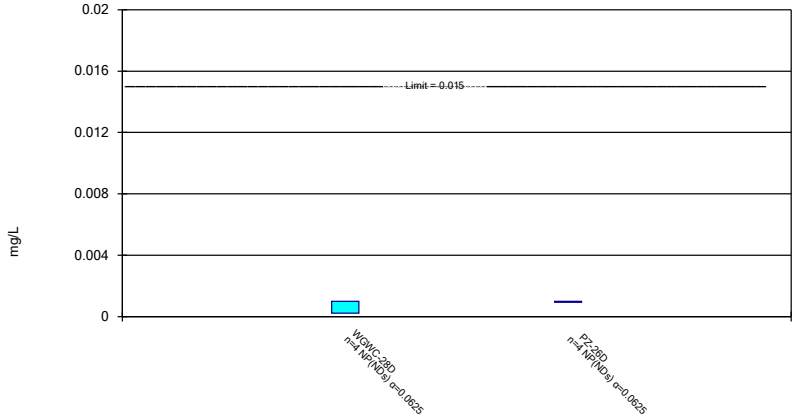


Constituent: Lead Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

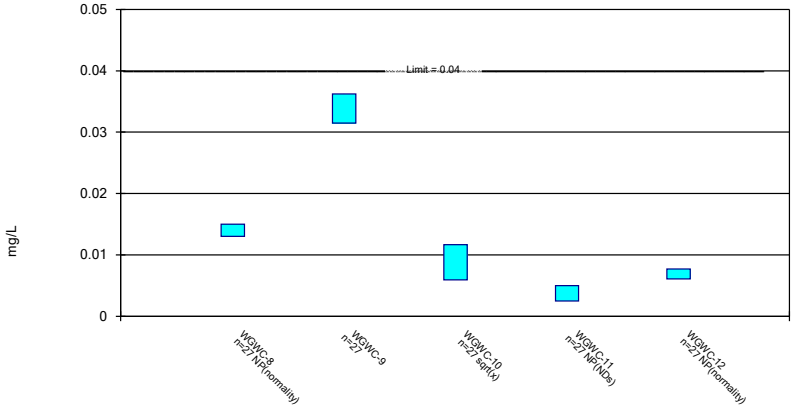


Constituent: Lead Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

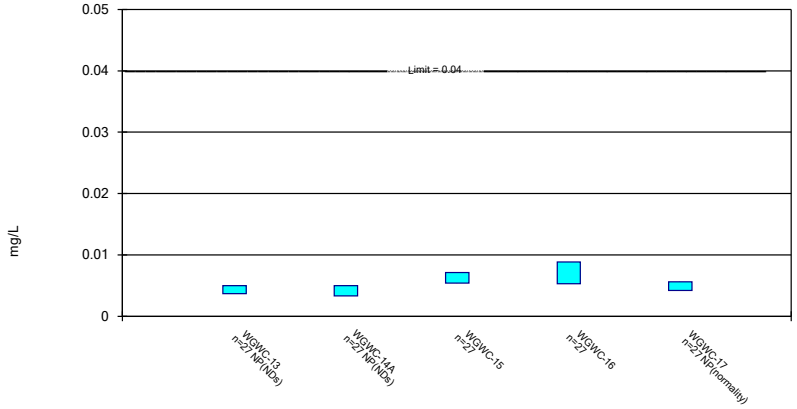


Constituent: Lithium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

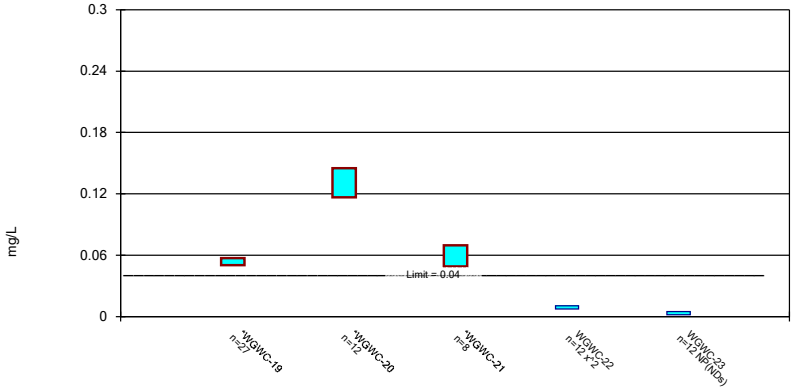


Constituent: Lithium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

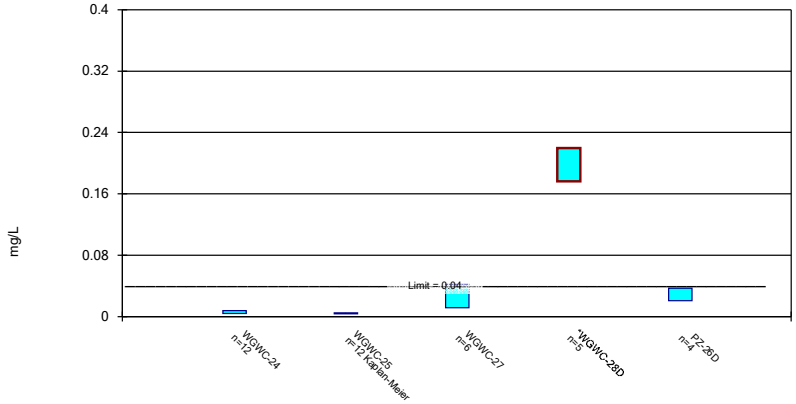


Constituent: Lithium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

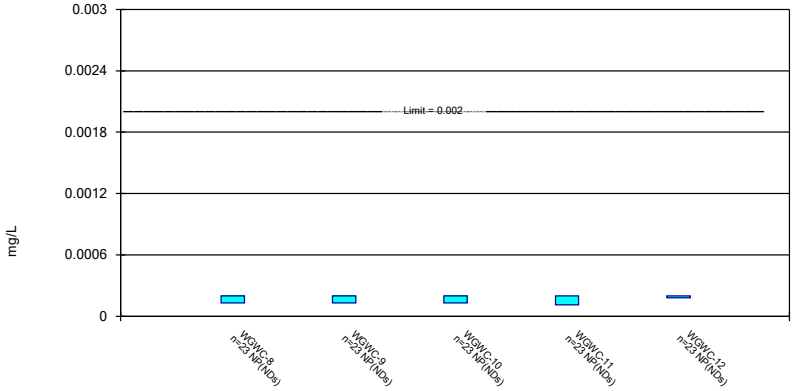


Constituent: Lithium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

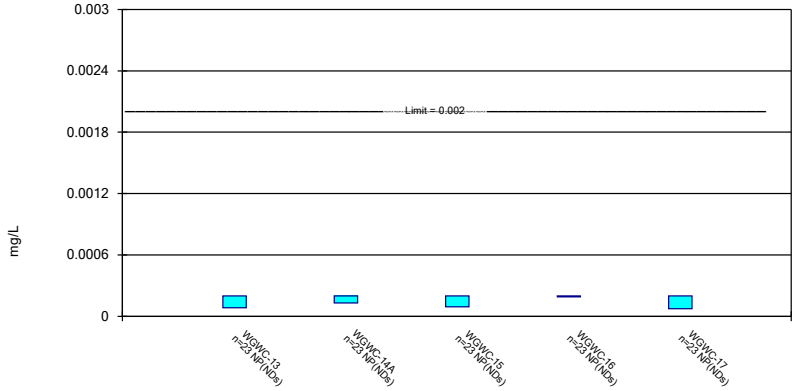


Constituent: Mercury Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

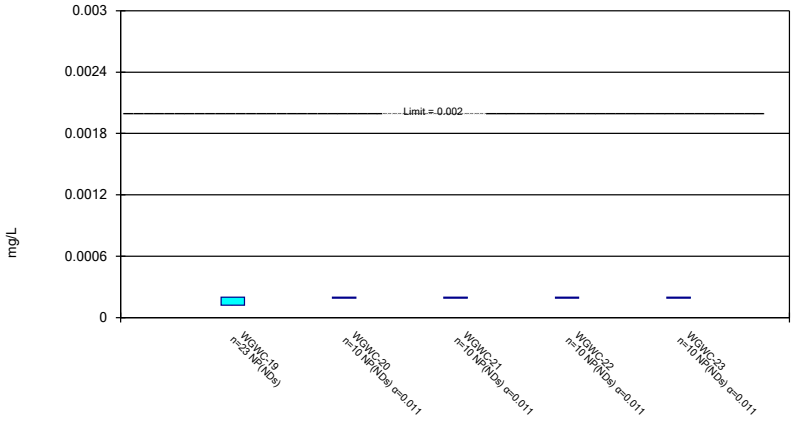


Constituent: Mercury Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

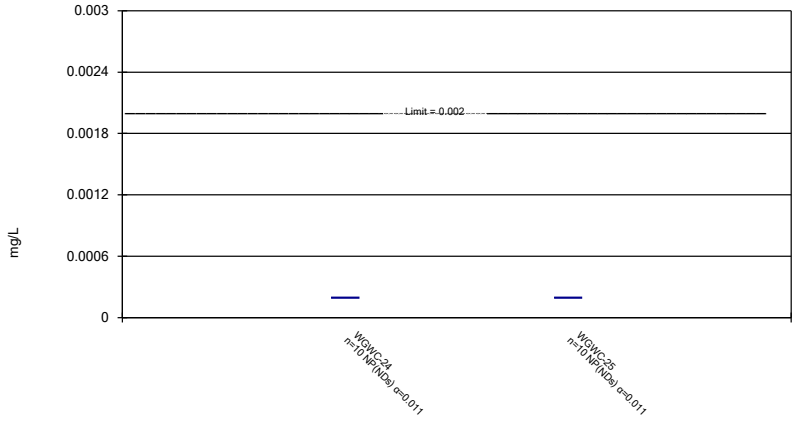


Constituent: Mercury Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

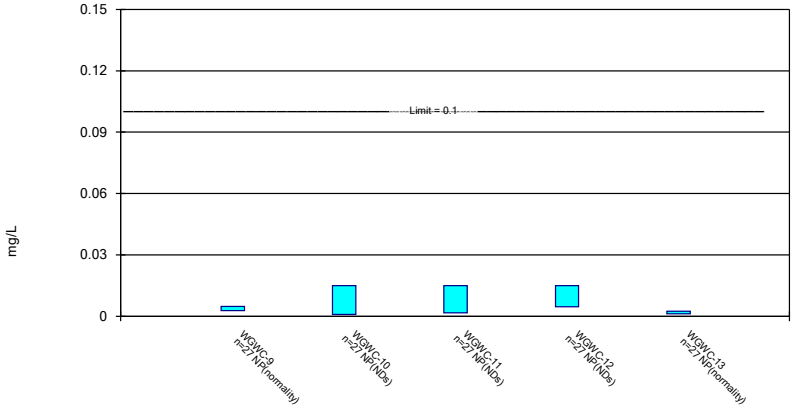


Constituent: Mercury Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

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

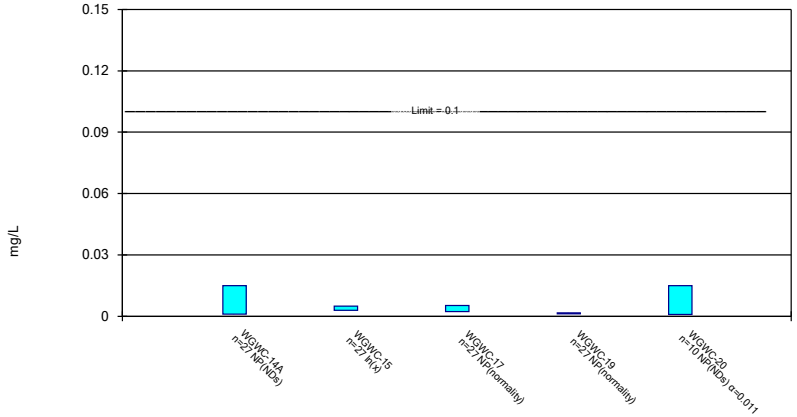


Constituent: Molybdenum Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

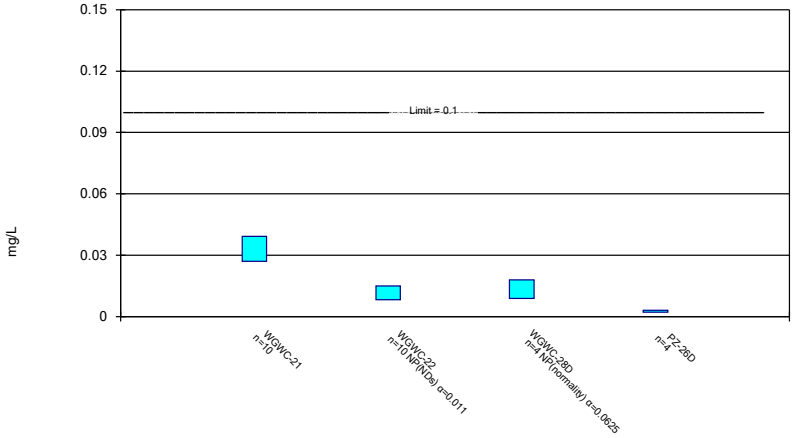


Constituent: Molybdenum Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 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.

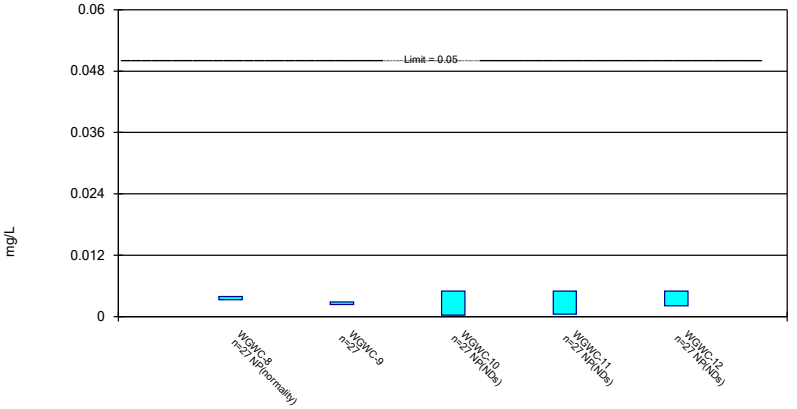


Constituent: Molybdenum Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

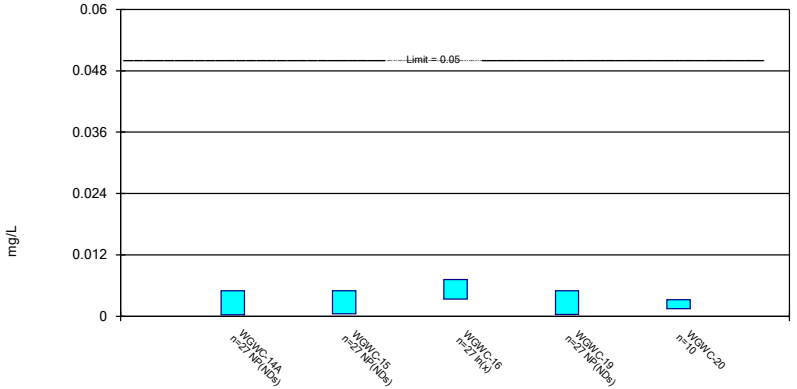


Constituent: Selenium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

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

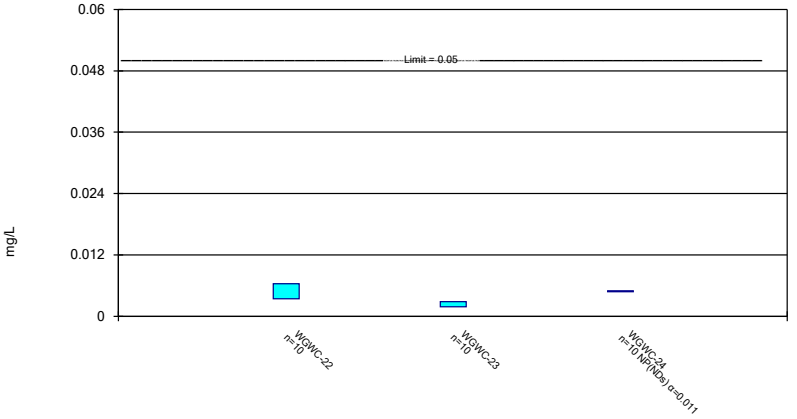


Constituent: Selenium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Parametric and Non-Parametric (NP) Confidence Interval

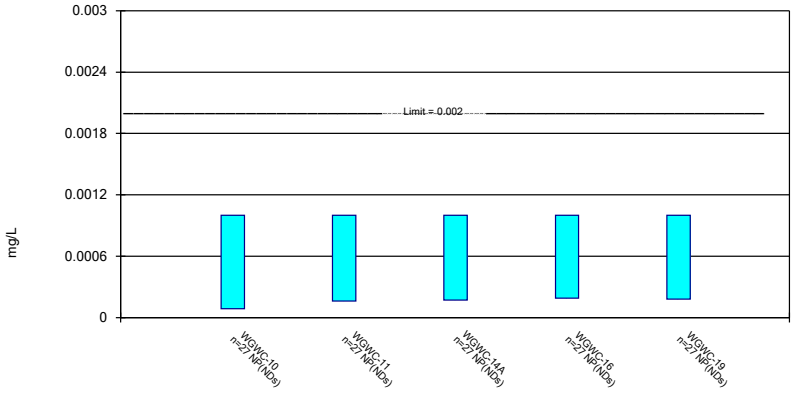
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Non-Parametric Confidence Interval

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

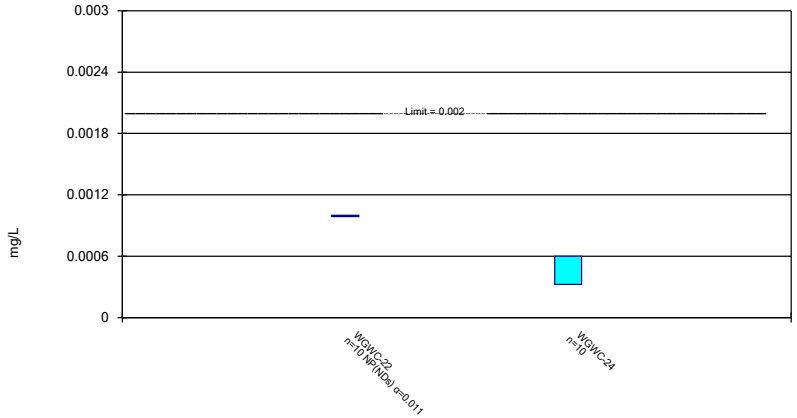


Constituent: Thallium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Parametric and Non-Parametric (NP) Confidence Interval

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



Constituent: Thallium Analysis Run 4/11/2025 2:44 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-11	WGWC-12	WGWC-19
5/19/2016	<0.002	<0.002	<0.002	<0.002	
7/20/2016	<0.002	<0.002	<0.002	<0.002	
9/14/2016		<0.002	<0.002	<0.002	
9/15/2016	<0.002				
11/11/2016			<0.002	<0.002	<0.002
11/14/2016	<0.002				
1/27/2017			<0.002	<0.002	
2/6/2017	<0.002				<0.002
2/9/2017		<0.002			
3/15/2017	<0.002	0.0011 (J)	<0.002	<0.002	<0.002
4/11/2017		<0.002			<0.002
4/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002
6/7/2017					<0.002
7/11/2017					<0.002
8/10/2017	<0.002	<0.002	<0.002	0.0023 (J)	<0.002
3/29/2018	<0.002	<0.002	<0.002	<0.002	<0.002
2/27/2019	<0.002		<0.002	<0.002	
2/28/2019		<0.002			<0.002
2/5/2020		<0.002	<0.002	<0.002	
2/7/2020	<0.002				<0.002
2/3/2021	<0.002		<0.002	<0.002	<0.002
2/4/2021		0.00041 (J)			
3/11/2021	<0.002				<0.002
3/12/2021		<0.002	<0.002	<0.002	
8/25/2021			<0.002	<0.002	
8/26/2021	<0.002	<0.002			<0.002
3/3/2022	<0.002	0.008	<0.002		<0.002
3/4/2022				<0.002	
8/16/2022	0.011		0.00053 (J)		
8/17/2022		0.0043			0.00058 (J)
8/18/2022				<0.002	
2/15/2023		0.00048 (J)			
2/16/2023	0.00064 (J)		<0.002	<0.002	<0.002
8/15/2023	0.0079				
8/16/2023		0.0011 (J)	<0.002	<0.002	<0.002
2/13/2024	<0.002				
2/14/2024		0.0063		<0.002	
2/15/2024					<0.002
2/16/2024			<0.002		
7/31/2024			<0.002	<0.002	<0.002
8/1/2024	0.0074	0.001 (J)			
2/11/2025	<0.002	0.0079	<0.002	<0.002	
2/13/2025					<0.002
Mean	0.002902	0.0026	0.00193	0.002014	0.001932
Std. Dev.	0.002547	0.002174	0.0003208	6.547E-05	0.0003099
Upper Lim.	0.0074	0.0043	0.002	0.0023	0.002
Lower Lim.	0.00064	0.0011	0.00053	0.002	0.00058

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-20	WGWC-21	WGWC-22	WGWC-23	WGWC-27
8/26/2021	<0.002	0.00076 (J)	<0.002	<0.002	
1/11/2022		<0.002	0.00078 (J)	0.0012 (J)	
1/12/2022	0.00066 (J)				
3/3/2022		0.00053 (J)			
3/4/2022	0.0011 (J)		0.00082 (J)	0.0018 (J)	
6/6/2022		<0.002		0.0013 (J)	
6/7/2022	<0.002		0.00054 (J)		
8/16/2022		0.00055 (J)			
8/17/2022				<0.002	
8/18/2022	<0.002				
8/19/2022			<0.002		
10/19/2022					<0.002
2/15/2023			0.0012 (J)	0.0022	
2/16/2023	<0.002	<0.002			0.00047 (J)
8/11/2023	0.00069 (J)				0.0015 (J)
8/17/2023		<0.002	<0.002	<0.002	
2/13/2024	0.00044 (J)				
2/14/2024			0.00076 (J)		
2/15/2024		<0.002		<0.002	0.00056 (J)
7/31/2024	<0.002			<0.002	
8/1/2024		<0.002			<0.002
8/2/2024			<0.002		
2/12/2025	<0.002		<0.002		<0.002
2/13/2025		<0.002		<0.002	
Mean	0.001489	0.001584	0.00141	0.00185	0.001422
Std. Dev.	0.0006786	0.0006725	0.000642	0.0003308	0.0007291
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00066	0.00055	0.00076	0.0013	0.00047

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-28D	PZ-26D
8/17/2023		0.00038 (J)
9/26/2023	0.00057 (J)	
2/14/2024	<0.002	
2/15/2024		<0.002
8/1/2024	<0.002	<0.002
2/12/2025	<0.002	
2/13/2025		<0.002
Mean	0.001643	0.001595
Std. Dev.	0.000715	0.00081
Upper Lim.	0.002	0.002
Lower Lim.	0.00057	0.00038

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			<0.001		
5/19/2016	<0.001	<0.001		<0.001	<0.001
7/20/2016	0.00055 (J)	0.00078 (J)	<0.001	<0.001	<0.001
9/14/2016		<0.001	<0.001	<0.001	<0.001
9/15/2016	<0.001				
11/11/2016			<0.001	<0.001	<0.001
11/14/2016	<0.001				
1/27/2017				0.00047 (J)	<0.001
2/6/2017	<0.001		<0.001		
2/9/2017		0.0017			
3/15/2017	<0.001	0.00047 (J)	<0.001	<0.001	<0.001
4/11/2017		<0.001			
4/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001
8/10/2017	<0.001	<0.001	<0.001	<0.001	0.00048 (J)
3/29/2018	<0.001	<0.001		<0.001	<0.001
3/30/2018			<0.001		
6/14/2018	<0.001	<0.001	0.0005 (J)	<0.001	0.00052 (J)
10/4/2018	0.0015	<0.001	0.00089 (J)	0.00054 (J)	<0.001
2/27/2019	0.00047 (J)		<0.001	<0.001	<0.001
2/28/2019		<0.001			
4/3/2019	<0.001	<0.001		<0.001	<0.001
4/4/2019			<0.001		
9/19/2019	0.00032 (J)	<0.001	0.00038 (J)	<0.001	<0.001
2/5/2020		<0.001	0.00035 (J)	<0.001	<0.001
2/7/2020	0.0011				
3/18/2020			<0.001	<0.001	<0.001
3/19/2020	0.00071 (J)	<0.001			
9/22/2020	0.0011				
9/23/2020		<0.001	<0.001		<0.001
9/24/2020				0.00051 (J)	
2/3/2021	0.0013			<0.001	<0.001
2/4/2021		<0.001	<0.001		
3/11/2021	0.0009 (J)		0.00031 (J)		
3/12/2021		<0.001		<0.001	<0.001
8/25/2021				<0.001	<0.001
8/26/2021	0.0013	<0.001	<0.001		
3/3/2022	0.0014	<0.001	<0.001	<0.001	
3/4/2022					0.00037 (J)
8/16/2022	0.00097 (J)			<0.001	
8/17/2022		<0.001			
8/18/2022					<0.001
8/19/2022			<0.001		
2/15/2023		<0.001			
2/16/2023	<0.001		<0.001	<0.001	<0.001
8/15/2023	0.00087 (J)				
8/16/2023		<0.001		<0.001	<0.001
8/17/2023			<0.001		
2/13/2024	0.0017				
2/14/2024		<0.001			0.001
2/15/2024			<0.001		
2/16/2024				<0.001	
7/31/2024			<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
8/1/2024	0.0016	<0.001			
2/11/2025	0.0012	<0.001		<0.001	<0.001
2/13/2025			<0.001		
Mean	0.001037	0.0009981	0.0009048	0.0009452	0.0009396
Std. Dev.	0.0003114	0.0001775	0.0002236	0.0001583	0.0001753
Upper Lim.	0.001054	0.001	0.001	0.001	0.001
Lower Lim.	0.0006887	0.00078	0.00089	0.00054	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			0.00345 (J)	<0.001	<0.001
5/19/2016	<0.001				
7/19/2016			0.0031	0.0009 (J)	
7/20/2016	<0.001				0.00058 (J)
9/14/2016	<0.001		0.0024	0.0014	<0.001
11/10/2016	<0.001		0.0023	0.0021	0.00082 (J)
1/20/2017					<0.001
1/24/2017			0.0019	0.0015	
1/27/2017	0.00066 (J)				
2/8/2017		<0.001			
2/23/2017		<0.001			
3/14/2017			0.0016		<0.001
3/15/2017	<0.001			0.0014	
3/17/2017		0.0006 (J)			
4/11/2017		0.0032			
4/25/2017			0.0019	0.0014	0.00095 (J)
4/26/2017	<0.001	0.0019			
5/17/2017		0.0014			
6/7/2017		0.0021			
7/11/2017		0.00095 (J)			
8/9/2017	<0.001		0.0017	0.0013	<0.001
3/29/2018	0.00067 (J)	<0.001		0.0014	
3/30/2018			0.0018		<0.001
6/14/2018	0.00093 (J)	<0.001	0.002	<0.001	0.00076 (J)
10/3/2018			0.0024		
10/4/2018	0.0015	0.0017		0.0013	0.00088 (J)
2/26/2019					0.0005 (J)
2/27/2019	0.00036 (J)	<0.001	0.0015	0.00046 (J)	
4/3/2019	0.00053 (J)	<0.001			
4/4/2019			0.0019	<0.001	<0.001
9/18/2019	0.00039 (J)	<0.001	0.0016	<0.001	<0.001
2/5/2020	0.00048 (J)	<0.001			
2/7/2020			0.001	<0.001	0.00075 (J)
3/18/2020			0.00088 (J)	<0.001	0.00054 (J)
3/19/2020	0.00039 (J)	<0.001			
9/23/2020			0.00061 (J)	<0.001	0.00067 (J)
9/24/2020	<0.001	<0.001			
2/4/2021	0.00038 (J)	<0.001	0.00069 (J)	<0.001	0.00035 (J)
3/11/2021	0.00035 (J)	<0.001		<0.001	<0.001
3/12/2021			0.00084 (J)		
8/25/2021	<0.001	<0.001		<0.001	<0.001
8/26/2021			0.0012		
3/3/2022	<0.001	<0.001	0.00057 (J)	<0.001	
3/4/2022					<0.001
8/16/2022					<0.001
8/17/2022			0.00052 (J)	<0.001	
8/18/2022	0.00034 (J)				
8/19/2022		<0.001			
2/15/2023			<0.001	<0.001	
2/16/2023	<0.001	<0.001			<0.001
8/15/2023				<0.001	
8/16/2023	<0.001	<0.001	<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
2/15/2024	<0.001	<0.001	<0.001	<0.001	<0.001
7/30/2024				<0.001	
7/31/2024	<0.001		<0.001		<0.001
8/2/2024		<0.001			
2/11/2025					<0.001
2/12/2025	<0.001	<0.001		<0.001	
2/13/2025			<0.001		
Mean	0.0008141	0.00118	0.001513	0.001117	0.0008815
Std. Dev.	0.0003059	0.0005115	0.0007641	0.0002917	0.0001921
Upper Lim.	0.001	0.0014	0.001695	0.0013	0.001
Lower Lim.	0.00048	0.001	0.0009401	0.001	0.00076

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-20	WGWC-21	WGWC-22	WGWC-24	WGWC-25
8/26/2021	0.00031 (J)	0.00057 (J)	<0.001	0.0033	<0.001
1/11/2022		0.00036 (J)	<0.001	0.0017	<0.001
1/12/2022	0.00052 (J)				
3/3/2022		0.00053 (J)		0.0029	
3/4/2022	0.00078 (J)		0.00046 (J)		<0.001
6/6/2022		0.00083 (J)		0.00054 (J)	
6/7/2022	0.00033 (J)		0.00029 (J)		<0.001
8/16/2022		0.00028 (J)			
8/17/2022					<0.001
8/18/2022	<0.001			0.00028 (J)	
8/19/2022			<0.001		
2/15/2023			<0.001	<0.001	<0.001
2/16/2023	<0.001	<0.001			
8/11/2023	<0.001				
8/15/2023					<0.001
8/17/2023		<0.001	<0.001	<0.001	
2/13/2024	0.001				
2/14/2024			0.0011	0.0012	
2/15/2024		<0.001			0.00096 (J)
7/31/2024	0.0012			<0.001	<0.001
8/1/2024		<0.001			
8/2/2024			<0.001		
2/12/2025	<0.001		<0.001		<0.001
2/13/2025		<0.001		<0.001	
Mean	0.000814	0.000757	0.000885	0.001392	0.000996
Std. Dev.	0.0003158	0.0002929	0.0002735	0.0009789	1.265E-05
Upper Lim.	0.000959	0.001	0.001	0.001912	0.001
Lower Lim.	0.0003444	0.00036	0.00046	0.0003128	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-28D
9/26/2023	0.0013
2/14/2024	0.0022
8/1/2024	0.0025
2/12/2025	<0.001
Mean	0.00175
Std. Dev.	0.0007141
Upper Lim.	0.003154
Lower Lim.	0.0003459

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			0.0391		
5/19/2016	0.0026 (J)	<0.01		0.031	0.0214
7/20/2016	0.0017 (J)	0.0014 (J)	0.028	0.029	0.019
9/14/2016		0.00092 (J)	0.035	0.031	0.02
9/15/2016	0.0039				
11/11/2016			0.042	0.034	0.022
11/14/2016	0.00085 (J)				
1/27/2017				0.042	0.023
2/6/2017	0.0011 (J)		0.041		
2/9/2017		0.0015 (J)			
3/15/2017	0.0013 (J)	0.00054 (J)	0.04	0.032	0.024
4/11/2017		0.0007 (J)			
4/26/2017	0.00098 (J)	<0.01	0.039	0.03	0.004
8/10/2017	0.0025	0.00053 (J)	0.038	0.03	0.017
3/29/2018	0.00085 (J)	<0.01		0.028	0.017
3/30/2018			0.042		
6/14/2018	0.0028	0.00088 (J)	0.038	0.03	0.015
10/4/2018	0.0017 (J)	0.00076 (J)	0.04	0.035	0.017
2/27/2019	<0.01		0.04	0.04	0.016
2/28/2019		0.0023 (J)			
4/3/2019	0.001 (J)	<0.01		0.035	0.015
4/4/2019			0.04		
9/19/2019	<0.01	0.0018 (J)	0.038	0.033	0.016
2/5/2020		0.0022 (J)	0.061	0.047	0.016
2/7/2020	<0.01				
3/18/2020			0.035	0.038	0.016
3/19/2020	<0.01	0.0021 (J)			
9/22/2020	<0.01				
9/23/2020		<0.01	0.035		0.016
9/24/2020				0.061	
2/3/2021	<0.01			0.039	0.015
2/4/2021		0.0016 (J)	0.035		
3/11/2021	<0.01		0.033		
3/12/2021		<0.01		0.045	0.017
8/25/2021				0.04	0.016
8/26/2021	<0.01	<0.01	0.032		
3/3/2022	<0.01	<0.01	0.033	0.04	
3/4/2022					0.016
8/16/2022	0.0014 (J)			0.038	
8/17/2022		<0.01			
8/18/2022					0.014
8/19/2022			0.03		
2/15/2023		<0.01			
2/16/2023	0.00093 (J)		0.032	0.041	0.014
8/15/2023	0.0019 (J)				
8/16/2023		<0.01		0.044	0.017
8/17/2023			0.036		
2/13/2024	0.0014 (J)				
2/14/2024		<0.01			0.017
2/15/2024			0.034		
2/16/2024				0.042	
7/31/2024			0.034	0.05	0.016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
8/1/2024	0.0021 (J)	<0.01			
2/11/2025	0.0015 (J)	0.0018 (J)		0.053	0.018
2/13/2025			0.032		
Mean	0.004463	0.00552	0.03711	0.03844	0.01683
Std. Dev.	0.004045	0.004422	0.00608	0.008035	0.003667
Upper Lim.	0.01	0.01	0.03937	0.04228	0.018
Lower Lim.	0.0013	0.0014	0.03422	0.03461	0.015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			0.0206	0.0715	0.0219
5/19/2016	0.055				
7/19/2016			0.019	0.069	
7/20/2016	0.039				0.019
9/14/2016	0.04		0.02	0.066	0.017
11/10/2016	0.04		0.02	0.069	0.02
1/20/2017					0.018
1/24/2017			0.017	0.068	
1/27/2017	0.042				
2/8/2017		0.037			
2/23/2017		0.051			
3/14/2017			0.018		0.019
3/15/2017	0.058			0.065	
3/17/2017		0.046			
4/11/2017		0.055			
4/25/2017			0.018	0.057	0.023
4/26/2017	0.054	0.042			
5/17/2017		0.052			
6/7/2017		0.06			
7/11/2017		0.038			
8/9/2017	0.055		0.02	0.069	0.017
3/29/2018	0.061	0.028		0.05	
3/30/2018			0.021		0.015
6/14/2018	0.055	0.023	0.022	0.046	0.013
10/3/2018			0.024		
10/4/2018	0.046	0.036		0.046	0.013
2/26/2019					0.012
2/27/2019	0.054	0.028	0.023	0.028	
4/3/2019	0.056	0.026			
4/4/2019			0.022	0.027	0.011
9/18/2019	0.062	0.025	0.026	0.032	0.011
2/5/2020	0.052	0.077			
2/7/2020			0.022	0.034	0.011
3/18/2020			0.021	0.034	0.012
3/19/2020	0.072	0.031			
9/23/2020			0.027	0.037	0.012
9/24/2020	0.038	0.034			
2/4/2021	0.047	0.029	0.028	0.039	0.012
3/11/2021	0.049	0.032		0.037	0.011
3/12/2021			0.028		
8/25/2021	0.046	0.03		0.035	0.011
8/26/2021			0.029		
3/3/2022	0.045	0.029	0.029	0.041	
3/4/2022					0.011
8/16/2022					0.011
8/17/2022			0.027	0.032	
8/18/2022	0.041				
8/19/2022		0.026			
2/15/2023			0.029	0.044	
2/16/2023	0.037	0.028			0.01
8/15/2023				0.039	
8/16/2023	0.042	0.026	0.03		0.012

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
2/15/2024	0.037	0.027	0.031	0.045	0.011
7/30/2024				0.043	
7/31/2024	0.045		0.033		0.012
8/2/2024		0.027			
2/11/2025					0.012
2/12/2025	0.04	0.027		0.04	
2/13/2025			0.033		
Mean	0.04844	0.03593	0.02436	0.0468	0.014
Std. Dev.	0.008984	0.01307	0.00484	0.01444	0.003835
Upper Lim.	0.05273	0.042	0.02666	0.05269	0.017
Lower Lim.	0.04416	0.027	0.02205	0.03933	0.011

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
11/11/2016	0.0022 (J)				
2/6/2017	0.0018 (J)				
3/15/2017	0.0015 (J)				
4/11/2017	0.0014 (J)				
4/26/2017	0.0014 (J)				
6/7/2017	0.0014 (J)				
7/11/2017	0.0013 (J)				
8/10/2017	0.0012 (J)				
3/29/2018	0.00097 (J)				
6/14/2018	0.0011 (J)				
10/4/2018	0.0012 (J)				
2/28/2019	<0.01				
4/2/2019	0.0013 (J)				
9/18/2019	<0.01				
2/7/2020	0.0065 (J)				
5/4/2020	<0.01				
9/23/2020	<0.01				
2/3/2021	<0.01				
3/11/2021	<0.01				
8/26/2021	<0.01	<0.01	0.0086 (J)	0.031	0.0078 (J)
1/11/2022			0.0076 (J)	0.04	0.0072 (J)
1/12/2022		<0.01			
3/3/2022	<0.01		0.0068 (J)		
3/4/2022		<0.01		0.038	0.0081 (J)
6/6/2022			0.0079 (J)		0.0097 (J)
6/7/2022		<0.01		0.025	
8/16/2022			0.0039 (J)		
8/17/2022	0.0012 (J)				0.0089 (J)
8/18/2022		0.00091 (J)			
8/19/2022				0.023	
2/15/2023				0.033	0.0055 (J)
2/16/2023	0.00096 (J)	<0.01	0.0053 (J)		
8/11/2023		<0.01			
8/16/2023	0.0014 (J)				
8/17/2023			0.0044 (J)	0.021	0.01
2/13/2024		<0.01			
2/14/2024				0.041	
2/15/2024	0.0012 (J)		0.0064 (J)		0.005 (J)
7/31/2024	0.001 (J)	<0.01			0.011
8/1/2024			0.0047 (J)		
8/2/2024				0.021	
2/12/2025		<0.01		0.022	
2/13/2025	0.0077 (J)		0.0038 (J)		0.015
Mean	0.004323	0.009091	0.00594	0.0295	0.00882
Std. Dev.	0.004059	0.002875	0.001754	0.008114	0.002885
Upper Lim.	0.0077	0.01	0.007505	0.03674	0.01139
Lower Lim.	0.0012	0.01	0.004375	0.02226	0.006246

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-24	WGWC-25	WGWC-27	WGWC-28D	PZ-26D
8/26/2021	0.042	0.41			
1/11/2022	0.029	0.38			
3/3/2022	0.028				
3/4/2022		0.38			
6/6/2022	0.032				
6/7/2022		0.34			
8/17/2022		0.31			
8/18/2022	0.041				
10/19/2022			0.0036 (J)		
2/15/2023	0.036	0.33			
2/16/2023			0.0049 (J)		
8/11/2023			0.0047 (J)		
8/15/2023		0.19			
8/17/2023	0.046				0.024
9/26/2023				0.016	
2/14/2024	0.052			0.017	
2/15/2024		0.14	0.004 (J)		0.021
7/31/2024	0.047	0.23			
8/1/2024			0.0042 (J)	0.011	0.024
2/12/2025		0.19	0.0034 (J)	0.011	
2/13/2025	0.051				0.017
Mean	0.0404	0.29	0.004133	0.01375	0.0215
Std. Dev.	0.008809	0.09499	0.0005922	0.003202	0.003317
Upper Lim.	0.04826	0.3747	0.004947	0.02102	0.02903
Lower Lim.	0.03254	0.2053	0.00332	0.006481	0.01397

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-14A	WGWC-16	WGWC-20
5/18/2016				<0.0025	
5/19/2016	0.00102 (J)	<0.0025			
7/19/2016				<0.0025	
7/20/2016	0.0014 (J)	<0.0025			
9/14/2016		<0.0025		<0.0025	
9/15/2016	0.00093 (J)				
11/10/2016				<0.0025	
11/14/2016	0.0014 (J)				
1/24/2017				<0.0025	
2/6/2017	0.0017 (J)				
2/8/2017			<0.0025		
2/9/2017		0.00041 (J)			
2/23/2017			<0.0025		
3/15/2017	0.0016 (J)	<0.0025		<0.0025	
3/17/2017			<0.0025		
4/11/2017		<0.0025	<0.0025		
4/25/2017				<0.0025	
4/26/2017	0.0017 (J)	<0.0025	<0.0025		
5/17/2017			<0.0025		
6/7/2017			<0.0025		
7/11/2017			<0.0025		
8/9/2017				<0.0025	
8/10/2017	0.0017 (J)	0.00034 (J)			
3/29/2018	0.0018 (J)	<0.0025	<0.0025	<0.0025	
6/14/2018	0.0015 (J)	<0.0025	<0.0025	<0.0025	
10/4/2018	0.0019 (J)	0.00036 (J)	<0.0025	<0.0025	
2/27/2019	0.0021 (J)		0.00017 (J)	0.00022 (J)	
2/28/2019		0.00031 (J)			
4/3/2019	0.0019 (J)	<0.0025	<0.0025		
4/4/2019				<0.0025	
9/18/2019			0.00032 (J)	<0.0025	
9/19/2019	0.0019	0.00041 (J)			
2/5/2020		0.0004 (J)	0.00024 (J)		
2/7/2020	0.0023			<0.0025	
3/18/2020				<0.0025	
3/19/2020	0.0028	0.00056 (J)	0.00025 (J)		
9/22/2020	0.0025				
9/23/2020		0.00034 (J)		<0.0025	
9/24/2020			0.00024 (J)		
2/3/2021	0.0025				
2/4/2021		0.00039 (J)	0.00026 (J)	<0.0025	
3/11/2021	0.0022 (J)		<0.0025	<0.0025	
3/12/2021		0.00034 (J)			
8/25/2021			<0.0025	<0.0025	
8/26/2021	0.002 (J)	0.00038 (J)			0.0081
1/12/2022					0.012
3/3/2022	0.0027	0.00036 (J)	<0.0025	<0.0025	
3/4/2022					0.01
6/7/2022					0.0089
8/16/2022	0.0018 (J)				
8/17/2022		0.00033 (J)		<0.0025	
8/18/2022					0.0081

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-14A	WGWC-16	WGWC-20
8/19/2022			<0.0025		
2/15/2023		0.00044 (J)		<0.0025	
2/16/2023	0.0025		0.00031 (J)		0.011
8/11/2023					0.0099
8/15/2023	0.0024 (J)			<0.0025	
8/16/2023		0.0004 (J)	0.00023 (J)		
2/13/2024	0.0027				0.012
2/14/2024		0.00037 (J)			
2/15/2024			0.00026 (J)	<0.0025	
7/30/2024				<0.0025	
7/31/2024					0.011
8/1/2024	0.0023 (J)	0.0004 (J)			
8/2/2024			0.00025 (J)		
2/11/2025	0.0027	0.00035 (J)			
2/12/2025			0.00027 (J)	<0.0025	0.011
Mean	0.001998	0.001089	0.001585	0.002416	0.0102
Std. Dev.	0.0005139	0.001018	0.001125	0.0004388	0.001454
Upper Lim.	0.002243	0.0025	0.0025	0.0025	0.0115
Lower Lim.	0.001753	0.00036	0.00026	0.00022	0.008902

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-21	WGWC-22	WGWC-23	WGWC-24	WGWC-25
8/26/2021	<0.0025	0.00053 (J)	0.00089 (J)	0.014	0.00028 (J)
1/11/2022	<0.0025	0.00057 (J)	0.0012 (J)	0.014	0.0002 (J)
3/3/2022	<0.0025			0.01	
3/4/2022		0.00066 (J)	0.00097 (J)		<0.0025
6/6/2022	<0.0025		0.0011 (J)	0.0062	
6/7/2022		0.00055 (J)			0.0003 (J)
8/16/2022	0.00022 (J)				
8/17/2022			0.00078 (J)		0.00022 (J)
8/18/2022				0.0044	
8/19/2022		0.00063 (J)			
2/15/2023		0.00067 (J)	0.0012 (J)	0.0099	0.00026 (J)
2/16/2023	<0.0025				
8/15/2023					<0.0025
8/17/2023	0.00021 (J)	0.0006 (J)	0.0013 (J)	0.0049	
2/14/2024		0.00044 (J)		0.0065	
2/15/2024	0.00021 (J)		0.0013 (J)		<0.0025
7/31/2024			0.0012 (J)	0.0042	<0.0025
8/1/2024	0.00025 (J)				
8/2/2024		0.00064 (J)			
2/12/2025		0.00061 (J)			<0.0025
2/13/2025	0.00033 (J)		0.0016 (J)	0.0055	
Mean	0.001372	0.00059	0.001154	0.00796	0.001376
Std. Dev.	0.001189	6.992E-05	0.0002343	0.003776	0.001185
Upper Lim.	0.0025	0.0006524	0.001363	0.01133	0.0025
Lower Lim.	0.00021	0.0005276	0.0009449	0.004591	0.00022

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-27	WGWC-28D
10/19/2022	0.00054 (J)	
2/16/2023	0.00046 (J)	
8/11/2023	0.00052 (J)	
9/26/2023		0.00073 (J)
2/14/2024		0.0019 (J)
2/15/2024	0.0012 (J)	
8/1/2024	0.0013 (J)	0.0017 (J)
2/12/2025	0.0011 (J)	0.002 (J)
Mean	0.0008533	0.001583
Std. Dev.	0.0003859	0.0005819
Upper Lim.	0.001304	0.002904
Lower Lim.	0	0.0002615

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-10	WGWC-16	WGWC-20	WGWC-22
5/18/2016		<0.0025	0.000362 (J)		
5/19/2016	<0.0025				
7/19/2016			<0.0025		
7/20/2016	<0.0025	<0.0025			
9/14/2016		<0.0025	0.00037 (J)		
9/15/2016	<0.0025				
11/10/2016			<0.0025		
11/11/2016		<0.0025			
11/14/2016	<0.0025				
1/24/2017			0.00055 (J)		
2/6/2017	<0.0025	<0.0025			
3/15/2017	<0.0025	<0.0025	0.00067 (J)		
4/25/2017			0.00058 (J)		
4/26/2017	<0.0025	<0.0025			
8/9/2017			0.00054 (J)		
8/10/2017	<0.0025	<0.0025			
3/29/2018	<0.0025		0.00082 (J)		
3/30/2018		<0.0025			
6/14/2018	<0.0025	<0.0025	0.0007 (J)		
10/4/2018	<0.0025	<0.0025	0.00065 (J)		
2/27/2019	<0.0025	<0.0025	0.00055 (J)		
4/3/2019	<0.0025				
4/4/2019		<0.0025	0.00047 (J)		
9/18/2019			0.00017 (J)		
9/19/2019	<0.0025	0.00021 (J)			
2/5/2020		<0.0025			
2/7/2020	<0.0025		<0.0025		
3/18/2020		<0.0025	0.00022 (J)		
3/19/2020	<0.0025				
9/22/2020	<0.0025				
9/23/2020		<0.0025	<0.0025		
2/3/2021	<0.0025				
2/4/2021		<0.0025	<0.0025		
8/26/2021				<0.0025	<0.0025
1/11/2022					<0.0025
1/12/2022				0.00026 (J)	
3/3/2022	<0.0025	<0.0025	<0.0025		
3/4/2022				<0.0025	0.00025 (J)
6/7/2022				<0.0025	<0.0025
8/16/2022	<0.0025				
8/17/2022			<0.0025		
8/18/2022				<0.0025	
8/19/2022		<0.0025			9E-05 (J)
2/15/2023			8.5E-05 (J)		0.00028 (J)
2/16/2023	0.00065 (J)	<0.0025		0.00057 (J)	
8/11/2023				0.00019 (J)	
8/15/2023	0.00013 (J)		<0.0025		
8/17/2023		<0.0025			<0.0025
2/13/2024	0.00041 (J)			0.00042 (J)	
2/14/2024					0.00013 (J)
2/15/2024		<0.0025	<0.0025		
7/30/2024			<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-10	WGWC-16	WGWC-20	WGWC-22
7/31/2024		<0.0025		0.00022 (J)	
8/1/2024	9.5E-05 (J)				
8/2/2024					<0.0025
2/11/2025	<0.0025				
2/12/2025			<0.0025	0.00045 (J)	0.00011 (J)
2/13/2025		<0.0025			
Mean	0.002151	0.002408	0.001369	0.001211	0.001336
Std. Dev.	0.0008204	0.000458	0.001035	0.001115	0.001228
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00065	0.00021	0.00054	0.00022	0.00011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-24	WGWC-25	WGWC-27
8/26/2021	0.00061 (J)	<0.0025	
1/11/2022	0.0004 (J)	<0.0025	
3/3/2022	0.0003 (J)		
3/4/2022		<0.0025	
6/6/2022	0.0003 (J)		
6/7/2022		<0.0025	
8/17/2022		0.00012 (J)	
8/18/2022	0.00015 (J)		
10/19/2022			<0.0025
2/15/2023	0.00057 (J)	0.0001 (J)	
2/16/2023			8E-05 (J)
8/11/2023			<0.0025
8/15/2023		<0.0025	
8/17/2023	9.5E-05 (J)		
2/14/2024	0.00023 (J)		
2/15/2024		<0.0025	<0.0025
7/31/2024	0.0001 (J)	<0.0025	
8/1/2024			<0.0025
2/12/2025		<0.0025	<0.0025
2/13/2025	0.00018 (J)		
Mean	0.0002935	0.002022	0.002097
Std. Dev.	0.0001833	0.001008	0.000988
Upper Lim.	0.000457	0.0025	0.0025
Lower Lim.	0.00013	0.00012	8E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-9	WGWC-10	WGWC-11	WGWC-13	WGWC-14A
5/18/2016		<0.002			
5/19/2016	<0.002		<0.002	<0.002	
7/20/2016	<0.002	0.0012 (J)	<0.002	<0.002	
9/14/2016	<0.002	<0.002	<0.002	<0.002	
11/10/2016				<0.002	
11/11/2016		0.0015 (J)	<0.002		
1/27/2017			<0.002	<0.002	
2/6/2017		0.0011 (J)			
2/8/2017					<0.002
2/9/2017	<0.002				
2/23/2017					<0.002
3/15/2017	<0.002	0.0015 (J)	<0.002	<0.002	
3/17/2017					<0.002
4/11/2017	<0.002				<0.002
4/26/2017	<0.002	0.0013 (J)	0.0011 (J)	<0.002	<0.002
5/17/2017					<0.002
6/7/2017					<0.002
7/11/2017					<0.002
8/9/2017				<0.002	
8/10/2017	<0.002	0.0016 (J)	<0.002		
3/29/2018	<0.002		0.0012 (J)	<0.002	<0.002
3/30/2018		0.0027			
6/14/2018	<0.002	0.0023 (J)	<0.002	<0.002	<0.002
10/4/2018	<0.002	0.0031	<0.002	<0.002	<0.002
2/27/2019		0.0031	0.0021 (J)	0.0018 (J)	<0.002
2/28/2019	0.0025				
4/3/2019	<0.002		<0.002	<0.002	<0.002
4/4/2019		0.0021 (J)			
9/18/2019				<0.002	<0.002
9/19/2019	<0.002	0.0022	<0.002		
2/5/2020	<0.002	0.0022	<0.002	<0.002	0.0017 (J)
3/18/2020		<0.002	<0.002		
3/19/2020	<0.002			<0.002	<0.002
9/23/2020	<0.002	0.0018 (J)			
9/24/2020			<0.002	<0.002	<0.002
2/3/2021			<0.002		
2/4/2021	<0.002	0.0018 (J)		<0.002	<0.002
3/11/2021		0.0023		0.0019 (J)	<0.002
3/12/2021	<0.002		0.0017 (J)		
8/25/2021			<0.002	0.0017 (J)	<0.002
8/26/2021	<0.002	0.0024			
3/3/2022	<0.002	0.0023	<0.002	<0.002	<0.002
8/16/2022			<0.002		
8/17/2022	<0.002				
8/18/2022				<0.002	
8/19/2022		0.0024			<0.002
2/15/2023	<0.002				
2/16/2023		0.0014 (J)	<0.002	<0.002	<0.002
8/16/2023	<0.002		<0.002	<0.002	<0.002
8/17/2023		0.0029			
2/14/2024	0.002				
2/15/2024		0.0036		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-9	WGWC-10	WGWC-11	WGWC-13	WGWC-14A
2/16/2024			<0.002		
7/31/2024		0.0029	<0.002	<0.002	
8/1/2024	<0.002				
8/2/2024					<0.002
2/11/2025	<0.002		<0.002		
2/12/2025				0.0017 (J)	<0.002
2/13/2025		0.0036			
Mean	0.002019	0.002085	0.00193	0.001967	0.001989
Std. Dev.	9.623E-05	0.0007887	0.0002334	8.771E-05	5.774E-05
Upper Lim.	0.0025	0.002461	0.002	0.002	0.002
Lower Lim.	0.002	0.001709	0.0017	0.0019	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-15	WGWC-21	WGWC-23	WGWC-28D
5/18/2016	<0.002			
7/19/2016	<0.002			
9/14/2016	<0.002			
11/10/2016	<0.002			
1/24/2017	<0.002			
3/14/2017	<0.002			
4/25/2017	<0.002			
8/9/2017	<0.002			
3/30/2018	<0.002			
6/14/2018	<0.002			
10/3/2018	<0.002			
2/27/2019	0.0015 (J)			
4/4/2019	<0.002			
9/18/2019	<0.002			
2/7/2020	<0.002			
3/18/2020	<0.002			
9/23/2020	<0.002			
2/4/2021	<0.002			
3/12/2021	<0.002			
8/26/2021	<0.002	<0.002	<0.002	
1/11/2022		<0.002	<0.002	
3/3/2022	<0.002	<0.002		
3/4/2022			<0.002	
6/6/2022		<0.002	<0.002	
8/16/2022		<0.002		
8/17/2022	<0.002		<0.002	
2/15/2023	<0.002		<0.002	
2/16/2023		0.0015 (J)		
8/16/2023	<0.002			
8/17/2023		<0.002	<0.002	
9/26/2023				0.002
2/14/2024				<0.002
2/15/2024	<0.002	<0.002	<0.002	
7/31/2024	<0.002		<0.002	
8/1/2024		<0.002		<0.002
2/12/2025				<0.002
2/13/2025	<0.002	<0.002	0.0017 (J)	
Mean	0.001981	0.00195	0.00197	0.002
Std. Dev.	9.623E-05	0.0001581	9.487E-05	4.7E-11
Upper Lim.	0.002	0.002	0.002	0.002
Lower Lim.	0.0015	0.002	0.002	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			0.00201 (J)		
5/19/2016	<0.0025	<0.0025		<0.0025	<0.01
7/20/2016	<0.0025	<0.0025	0.00066 (J)	0.0025	0.0013 (J)
9/14/2016		<0.0025	0.00095 (J)	<0.0025	0.00098 (J)
9/15/2016	<0.0025				
11/11/2016			0.001 (J)	0.00052 (J)	0.0017 (J)
11/14/2016	<0.0025				
1/27/2017				0.00049 (J)	0.0022 (J)
2/6/2017	<0.0025		0.00072 (J)		
2/9/2017		0.00073 (J)			
3/15/2017	<0.0025	<0.0025	0.00062 (J)	0.00064 (J)	0.0016 (J)
4/11/2017		<0.0025			
4/26/2017	<0.0025	<0.0025	0.0014 (J)	0.001 (J)	0.00026 (J)
8/10/2017	<0.0025	<0.0025	<0.0025	0.0011 (J)	0.00049 (J)
3/29/2018	0.00066 (J)	<0.0025		<0.0025	0.0008 (J)
3/30/2018			0.0035		
6/14/2018	0.0011 (J)	<0.0025	0.0012 (J)	<0.0025	0.00067 (J)
10/4/2018	<0.0025	<0.0025	0.00086 (J)	<0.0025	0.00079 (J)
2/27/2019	0.0019 (J)		0.0005 (J)	0.0022 (J)	0.0006 (J)
2/28/2019		<0.0025			
4/3/2019	0.0037	<0.0025		0.00081 (J)	0.00043 (J)
4/4/2019			0.0017 (J)		
9/19/2019	0.0028	<0.0025	0.0023	<0.0025	0.00028 (J)
2/5/2020		<0.0025	0.0013	0.00026 (J)	0.00058
2/7/2020	0.0011				
3/18/2020			0.0012 (J)	0.00069 (J)	0.00071 (J)
3/19/2020	0.00092 (J)	<0.0025			
9/22/2020	0.00065 (J)				
9/23/2020		<0.0025	0.00062 (J)		0.00039 (J)
9/24/2020				<0.0025	
2/3/2021	0.00014 (J)			0.00072 (J)	0.00017 (J)
2/4/2021		<0.0025	0.00059 (J)		
3/11/2021	0.00043 (J)		0.00058 (J)		
3/12/2021		<0.0025		0.0022 (J)	0.00042 (J)
8/25/2021				0.00045 (J)	0.0005 (J)
8/26/2021	0.0005 (J)	<0.0025	0.00044 (J)		
3/3/2022	0.0003 (J)	<0.0025	0.00045 (J)	0.00026 (J)	
3/4/2022					0.00056 (J)
8/16/2022	0.00075 (J)			<0.0025	
8/17/2022		<0.0025			
8/18/2022					0.00034 (J)
8/19/2022			0.0014 (J)		
2/15/2023		<0.0025			
2/16/2023	<0.0025		<0.0025	<0.0025	0.0004 (J)
8/15/2023	<0.0025				
8/16/2023		<0.0025		<0.0025	0.00025 (J)
8/17/2023			0.00038 (J)		
2/13/2024	<0.0025				
2/14/2024		<0.0025			0.00045 (J)
2/15/2024			<0.0025		
2/16/2024				<0.0025	
7/31/2024			<0.0025	<0.0025	0.00029 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
8/1/2024	<0.0025	<0.0025			
2/11/2025	<0.0025	<0.0025		<0.0025	0.00033 (J)
2/13/2025			<0.0025		
Mean	0.00185	0.002434	0.001366	0.001716	0.000833
Std. Dev.	0.0009896	0.0003406	0.0008699	0.0009357	0.0009677
Upper Lim.	0.0025	0.0025	0.001233	0.0025	0.0008484
Lower Lim.	0.00075	0.00073	0.0006678	0.00069	0.0004125

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			<0.0025	0.0069 (J)	0.00245 (J)
5/19/2016	<0.0025				
7/19/2016			<0.0025	0.012	
7/20/2016	<0.0025				0.0018 (J)
9/14/2016	<0.0025		<0.0025	0.013	0.0014 (J)
11/10/2016	<0.0025		<0.0025	0.016	0.0016 (J)
1/20/2017					0.0014 (J)
1/24/2017			<0.0025	0.015	
1/27/2017	<0.0025				
2/8/2017		0.0051			
2/23/2017		0.014			
3/14/2017			<0.0025		0.0023 (J)
3/15/2017	<0.0025			0.014	
3/17/2017		0.013			
4/11/2017		0.016			
4/25/2017			<0.0025	0.014	0.0023 (J)
4/26/2017	<0.0025	0.01			
5/17/2017		0.011			
6/7/2017		0.01			
7/11/2017		0.0085			
8/9/2017	0.0004 (J)		<0.0025	0.016	0.0011 (J)
3/29/2018	0.0008 (J)	0.015		0.0092	
3/30/2018			<0.0025		0.0016 (J)
6/14/2018	0.00054 (J)	0.011	<0.0025	0.0035	0.00055 (J)
10/3/2018			<0.0025		
10/4/2018	<0.0025	0.0055		0.0078	0.00041 (J)
2/26/2019					0.00086 (J)
2/27/2019	0.00013 (J)	0.0049	<0.0025	0.00084 (J)	
4/3/2019	<0.0025	0.0056			
4/4/2019			<0.0025	0.00077 (J)	<0.0025
9/18/2019	<0.0025	0.005	<0.0025	0.00011 (J)	0.00018 (J)
2/5/2020	<0.0025	0.0044			
2/7/2020			<0.0025	0.00016 (J)	0.00077
3/18/2020			<0.0025	0.00016 (J)	0.00052 (J)
3/19/2020	<0.0025	0.0039			
9/23/2020			<0.0025	<0.0025	0.0009 (J)
9/24/2020	0.00032 (J)	0.0035			
2/4/2021	<0.0025	0.0041	0.00015 (J)	0.00026 (J)	0.00042 (J)
3/11/2021	<0.0025	0.0037		0.00013 (J)	0.00035 (J)
3/12/2021			<0.0025		
8/25/2021	<0.0025	0.0029		<0.0025	0.00042 (J)
8/26/2021			<0.0025		
3/3/2022	<0.0025	0.0024 (J)	<0.0025	<0.0025	
3/4/2022					0.00026 (J)
8/16/2022					<0.0025
8/17/2022			<0.0025	<0.0025	
8/18/2022	<0.0025				
8/19/2022		0.002 (J)			
2/15/2023			<0.0025	<0.0025	
2/16/2023	<0.0025	0.0022 (J)			<0.0025
8/15/2023				<0.0025	
8/16/2023	0.00024 (J)	0.002 (J)	<0.0025		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
2/15/2024	<0.0025	0.0017 (J)	<0.0025	<0.0025	<0.0025
7/30/2024				<0.0025	
7/31/2024	<0.0025		<0.0025		<0.0025
8/2/2024		0.0016 (J)			
2/11/2025					<0.0025
2/12/2025	0.00029 (J)	0.0015 (J)		<0.0025	
2/13/2025			<0.0025		
Mean	0.001953	0.006315	0.002413	0.005642	0.001448
Std. Dev.	0.0009489	0.004524	0.0004523	0.005703	0.000892
Upper Lim.	0.0025	0.007723	0.0025	0.003731	0.00245
Lower Lim.	0.0008	0.003779	0.00015	0.0005539	0.00052

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
11/11/2016	<0.0025				
2/6/2017	0.00058 (J)				
3/15/2017	0.00045 (J)				
4/11/2017	<0.0025				
4/26/2017	<0.0025				
6/7/2017	<0.0025				
7/11/2017	<0.0025				
8/10/2017	0.00049 (J)				
3/29/2018	<0.0025				
6/14/2018	<0.0025				
10/4/2018	<0.0025				
2/28/2019	0.00019 (J)				
4/2/2019	<0.0025				
9/18/2019	0.00045 (J)				
2/7/2020	0.00024 (J)				
5/4/2020	0.00018 (J)				
9/23/2020	0.00024 (J)				
2/3/2021	0.00025 (J)				
3/11/2021	0.00022 (J)				
8/26/2021	0.00022 (J)	0.00046 (J)	0.00042 (J)	0.00038 (J)	0.00017 (J)
1/11/2022			0.00032 (J)	0.00025 (J)	0.00016 (J)
1/12/2022		0.00037 (J)			
3/3/2022	0.00034 (J)		0.00042 (J)		
3/4/2022		<0.0025		0.00034 (J)	<0.0025
6/6/2022			0.001 (J)		<0.0025
6/7/2022		<0.0025		<0.0025	
8/16/2022			0.00039 (J)		
8/17/2022	<0.0025				<0.0025
8/18/2022		<0.0025			
8/19/2022				<0.0025	
2/15/2023				<0.0025	<0.0025
2/16/2023	0.00053 (J)	<0.0025	<0.0025		
8/11/2023		<0.0025			
8/16/2023	0.00026 (J)				
8/17/2023			<0.0025	<0.0025	<0.0025
2/13/2024		<0.0025			
2/14/2024				<0.0025	
2/15/2024	<0.0025		<0.0025		<0.0025
7/31/2024	0.00024 (J)	<0.0025			<0.0025
8/1/2024			<0.0025		
8/2/2024				<0.0025	
2/12/2025		<0.0025		<0.0025	
2/13/2025	<0.0025		<0.0025		0.00022 (J)
Mean	0.001292	0.002083	0.001505	0.001847	0.001805
Std. Dev.	0.001106	0.0008794	0.001065	0.001052	0.001119
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025
Lower Lim.	0.00025	0.00046	0.00039	0.00034	0.00017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-24	WGWC-25	WGWC-27	WGWC-28D	PZ-26D
8/26/2021	0.13	0.005			
1/11/2022	0.11	0.0048			
3/3/2022	0.086				
3/4/2022		0.004			
6/6/2022	0.042				
6/7/2022		0.0043			
8/17/2022		0.0037			
8/18/2022	0.031				
10/19/2022			0.002 (J)		
2/15/2023	0.084	0.0049			
2/16/2023			0.0013 (J)		
8/11/2023			0.0018 (J)		
8/15/2023		0.0081			
8/17/2023	0.035				0.017
9/26/2023				0.00072 (J)	
2/14/2024	0.045			0.00064 (J)	
2/15/2024		0.0062	0.0018 (J)		0.0069
7/31/2024	0.027	0.0088			
8/1/2024			0.0026	<0.0025	0.0081
2/12/2025		0.0085	0.002 (J)	0.00024 (J)	
2/13/2025	0.039				0.0011 (J)
Mean	0.0629	0.00583	0.001917	0.001025	0.008275
Std. Dev.	0.03669	0.001946	0.0004215	0.001006	0.006571
Upper Lim.	0.09563	0.007566	0.002496	0.00101	0.02319
Lower Lim.	0.03017	0.004094	0.001338	5.662E-05	0

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			0.182 (U)		
5/19/2016	0.711 (U)	0.209 (U)		0.431 (U)	0.0698 (U)
7/20/2016	1.14	-0.084 (U)	-0.135 (U)	-0.263 (U)	-0.0646 (U)
9/14/2016		0.42 (U)	0.311 (U)	0.13 (U)	0.199 (U)
9/15/2016	1.26				
11/11/2016			0.542	0.0257 (U)	0.467
11/14/2016	0.749				
1/27/2017				0.898	0.836
2/6/2017	1.05		0.104 (U)		
2/9/2017		0.393			
3/15/2017	1.32	0.271 (U)	0.523	0.121 (U)	0.254 (U)
4/11/2017		0.488 (U)			
4/26/2017	1.07	0.14 (U)	0.069 (U)	0.0309 (U)	0.267 (U)
8/10/2017	1.88	0.379	0.189 (U)	0.326 (U)	0.912
3/29/2018	2.31	0.278 (U)		0.461	0.419
3/30/2018			0.575		
6/14/2018	1.86	0.157 (U)	0.523	0.275 (U)	-0.263 (U)
10/4/2018	2.44	0.48	0.84	1.18	1.29
2/27/2019	2.42		0.236 (U)	0.374	0.415
2/28/2019		0.271 (U)			
4/3/2019	1.55	0.0621 (U)		0.187 (U)	0.264 (U)
4/4/2019			0.233 (U)		
9/19/2019	2.06	0.537	0.124 (U)	0.338 (U)	0.329 (U)
2/5/2020		-0.137 (U)	0.0961 (U)	0.163 (U)	0.225 (U)
2/7/2020	1.66				
3/18/2020			0.461 (U)	0.866	-0.0262 (U)
3/19/2020	1.21	0.23 (U)			
9/22/2020	1.75				
9/23/2020		0.0587 (U)	0.442 (U)		0.785
9/24/2020				1.2	
2/3/2021	2			0.718	0.322 (U)
2/4/2021		0.353 (U)	0.0332 (U)		
3/11/2021	2.38		0.42 (U)		
3/12/2021		0.831		0.0729 (U)	0.633
8/25/2021				0.401	0.443 (U)
8/26/2021	2.87	0.681	0.321 (U)		
3/3/2022	3.18	0.431 (U)	0.587	0.622	
3/4/2022					0.408
8/16/2022	2.4			0.5	
8/17/2022		0.139 (U)			
8/18/2022					0.279 (U)
8/19/2022			0.497 (U)		
2/15/2023		0.0109 (U)			
2/16/2023	3.04		0.326 (U)	0.417 (U)	0.388 (U)
8/15/2023	2.65				
8/16/2023		0.209 (U)		0.297 (U)	0.45 (U)
8/17/2023			-0.112 (U)		
2/13/2024	2.44				
2/14/2024		0.279 (U)			0.813
2/15/2024			0.126 (U)		
2/16/2024				-0.00801 (U)	
7/31/2024			1.33	0.791	1.07

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
8/1/2024	1.73	0.818			
2/11/2025	3.46	2.41		1.28	0.892
2/13/2025			0.44 (U)		
Mean	1.948	0.382	0.3438	0.4383	0.4473
Std. Dev.	0.7477	0.4712	0.3036	0.3944	0.3594
Upper Lim.	2.304	0.48	0.4886	0.6265	0.6187
Lower Lim.	1.591	0.14	0.199	0.2502	0.2758

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			0.569	1.03	0.116 (U)
5/19/2016	0.219 (U)				
7/19/2016			0.29 (U)	2.39	
7/20/2016	0.404 (U)				0.247 (U)
9/14/2016	0.692		0.412 (U)	3.05	0.594
11/10/2016	1		0.709	2.87	0.431
1/20/2017					1.35
1/24/2017			0.779	2.68	
1/27/2017	0.668				
2/8/2017		0.958			
2/23/2017		0.771			
3/14/2017			0.247 (U)		-0.107 (U)
3/15/2017	0.847			1.64	
3/17/2017		1.7			
4/11/2017		0.901			
4/25/2017			0.515	0.878	0.228 (U)
4/26/2017	0.408 (U)	0.434			
5/17/2017		0.632			
6/7/2017		1.06			
7/11/2017		0.716			
8/9/2017	0.816		1.7	2.5	-0.0246 (U)
3/29/2018	0.51	0.58		1.6	
3/30/2018			0.0985 (U)		0.135 (U)
6/14/2018	0.463	0.55	0.171 (U)	1.09	-0.373 (U)
10/3/2018			0.766		
10/4/2018	0.99	0.563		1.99	0.775
2/26/2019					0.431
2/27/2019	1.08	0.538	0.363 (U)	0.721	
4/3/2019	0.446	0.497			
4/4/2019			0.418	0.632	0.386
9/18/2019	0.392	0.376 (U)	0.484	0.278 (U)	0.167 (U)
2/5/2020	0.609	0.5			
2/7/2020			0.125 (U)	0.797	0.244 (U)
3/18/2020			0.303 (U)	0.437	0.0655 (U)
3/19/2020	0.47	0.376 (U)			
9/23/2020			0.448 (U)	0.276 (U)	0.643
9/24/2020	1.02	0.796			
2/4/2021	0.139 (U)	0.564	0.488 (U)	0.727	0.438 (U)
3/11/2021	0.473	0.764		0.942	0.247 (U)
3/12/2021			0.591		
8/25/2021	0.913	0.705		0.518	0.565
8/26/2021			0.678		
3/3/2022	0.621	0.956	0.358 (U)	0.573	
3/4/2022					0.573
8/16/2022					0.668
8/17/2022			0.563	0.946	
8/18/2022	0.719				
8/19/2022		0.932			
2/15/2023			0.0878 (U)	0.734	
2/16/2023	0.2 (U)	0.455 (U)			0.121 (U)
8/15/2023				0.732	
8/16/2023	-0.09 (U)	0.277 (U)	0.0271 (U)		0.533 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
2/15/2024	0.585	0.482 (U)	0.607	0.582	0.257 (U)
7/30/2024				0.628	
7/31/2024	0.823		1.17		0.594 (U)
8/2/2024		0.774			
2/11/2025					0.639 (U)
2/12/2025	0.589	0.968		1.14	
2/13/2025			1.11		
Mean	0.5928	0.6972	0.5214	1.199	0.3683
Std. Dev.	0.2907	0.2912	0.3673	0.8319	0.3345
Upper Lim.	0.7315	0.8055	0.6966	1.459	0.5278
Lower Lim.	0.4542	0.5495	0.3462	0.7523	0.2087

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
11/11/2016	-0.11 (U)				
2/6/2017	0.471				
3/15/2017	0.255 (U)				
4/11/2017	0.19 (U)				
4/26/2017	0.22 (U)				
6/7/2017	0.126 (U)				
7/11/2017	0.511				
8/10/2017	0.882				
3/29/2018	0.252 (U)				
6/14/2018	0.0458 (U)				
10/4/2018	0.381				
2/28/2019	0.254 (U)				
4/2/2019	0.209 (U)				
9/18/2019	0.403 (U)				
2/7/2020	0.2 (U)				
5/4/2020	0.0697 (U)				
9/23/2020	1.18				
2/3/2021	0.684				
3/11/2021	0.286 (U)				
8/26/2021	0.796	1.6	1.17	3.54	0.703
1/11/2022			0.919	6.91	0.218 (U)
1/12/2022		1.09			
3/3/2022	0.909		1.31		
3/4/2022		0.925		7.57	0.437 (U)
6/6/2022			2.61		1.45
6/7/2022		0.67		4.67	
8/16/2022			1.35		
8/17/2022	0.155 (U)				0.976
8/18/2022		0.994			
8/19/2022				3.07	
2/15/2023				5.98	0.985
2/16/2023	0.248 (U)	0.853	0.617		
8/11/2023		0.591 (U)			
8/16/2023	0.369 (U)				
8/17/2023			2.44	4.47	1.91
2/13/2024		1.06			
2/14/2024				5.46	
2/15/2024	0.523		1.3		0.232 (U)
7/31/2024	1.53	1.15			1.69
8/1/2024			0.417 (U)		
8/2/2024				4.11	
2/12/2025		1.12		4.31	
2/13/2025	0.187 (U)		1.7		1.31 (U)
Mean	0.4158	1.005	1.383	5.009	0.9911
Std. Dev.	0.3705	0.2812	0.7085	1.451	0.5972
Upper Lim.	0.523	1.256	2.015	6.303	1.524
Lower Lim.	0.19	0.7544	0.7512	3.715	0.4583

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-24	WGWC-25	WGWC-27	WGWC-28D	PZ-26D
8/26/2021	1.63	1.12			
1/11/2022	0.749	0.606			
3/3/2022	0.893				
3/4/2022		0.818			
6/6/2022	0.845				
6/7/2022		0.5			
8/17/2022		0.763			
8/18/2022	1.03				
10/19/2022			0.185 (U)		
2/15/2023	0.974	0.873			
2/16/2023			2.16		
8/11/2023			3.88		
8/15/2023		0.581 (U)			
8/17/2023	1.62				1.44
9/26/2023				15.4	
2/14/2024	0.674			13.3	
2/15/2024		0.672	5.82		1.06
7/31/2024	1.34	1.25			
8/1/2024			5.4	7.77	1.07
2/12/2025		1.43	5.08	7.79	
2/13/2025	0.801				0.648
Mean	1.056	0.8613	3.754	11.07	1.055
Std. Dev.	0.3515	0.3097	2.192	3.889	0.3236
Upper Lim.	1.369	1.138	6.766	19.89	1.789
Lower Lim.	0.742	0.585	0.7426	2.236	0.3198

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			0.206 (J)		
5/19/2016	0.304	1.58		0.039 (J)	0.12 (J)
7/20/2016	0.27	2	0.23	<0.2	0.11 (J)
9/14/2016		1.8	0.17 (J)	<0.2	0.095 (J)
9/15/2016	0.24				
11/11/2016			0.14 (J)	<0.2	<0.2
11/14/2016	0.2				
1/27/2017				<0.2	<0.2
2/6/2017	0.27		0.15 (J)		
2/9/2017		1.3			
3/15/2017	0.25	1.3	0.16 (J)	<0.2	<0.2
4/11/2017		1.4			
4/26/2017	0.31	1.5	0.17 (J)	<0.2	<0.2
8/10/2017	0.37	1.6	0.2	<0.2	0.11 (J)
10/12/2017	0.35	1.5	0.14 (J)	<0.2	0.091 (J)
3/29/2018	0.36	1.4		<0.2	0.089 (J)
3/30/2018			0.13 (J)		
6/14/2018	0.56	1.4	0.15 (J)	<0.2	0.1 (J)
10/4/2018	0.27	1.4	0.18 (J)	<0.2	0.12 (J)
2/27/2019	0.054 (J)		0.21	0.047 (J)	0.06 (J)
2/28/2019		1.4			
4/3/2019	0.5	1.3		0.048 (J)	0.084 (J)
4/4/2019			0.13 (J)		
9/19/2019	0.42	1.3	0.13 (J)	0.037 (J)	0.093 (J)
2/5/2020		1.3	0.14	0.045 (J)	0.098 (J)
2/7/2020	0.25				
3/18/2020			0.052 (J)	<0.2	0.033 (J)
3/19/2020	0.057 (J)	1			
9/22/2020	0.14				
9/23/2020		0.82	0.09 (J)		0.064 (J)
9/24/2020				0.18	
2/3/2021	0.15			0.027 (J)	0.082 (J)
2/4/2021		0.91	0.12		
3/11/2021	0.16		0.15		
3/12/2021		0.98		0.044 (J)	0.096 (J)
8/25/2021				0.056 (J)	0.14
8/26/2021	0.21	1	0.16		
3/3/2022	0.19	1	0.067 (J)	0.055 (J)	
3/4/2022					0.068 (J)
8/16/2022	0.21			<0.2	
8/17/2022		0.9			
8/18/2022					0.073 (J)
8/19/2022			0.1		
2/15/2023		0.85			
2/16/2023	0.14		0.11	0.041 (J)	0.089 (J)
8/15/2023	0.15 (J)				
8/16/2023		0.9		0.041 (J)	0.083 (J)
8/17/2023			0.1		
2/13/2024	<0.2				
2/14/2024		0.73			0.044 (J)
2/15/2024			<0.2		
2/16/2024				<0.2	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
7/31/2024			0.1	<0.2	0.077 (J)
8/1/2024	<0.2	0.9			
2/11/2025	<0.2	0.4		<0.2	<0.2
2/13/2025			<0.2		
Mean	0.2388	1.21	0.1388	0.1379	0.1078
Std. Dev.	0.1266	0.3539	0.04328	0.07743	0.04906
Upper Lim.	0.2979	1.375	0.159	0.2	0.09367
Lower Lim.	0.1796	1.044	0.1185	0.047	0.07072

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			0.779	0.1 (J)	0.121 (J)
5/19/2016	0.384				
7/19/2016			0.97	0.14 (J)	
7/20/2016	0.34				0.16 (J)
9/14/2016	0.31		0.89	0.18 (J)	0.19 (J)
11/10/2016	0.26		0.88	0.11 (J)	0.15 (J)
1/20/2017					0.18 (J)
1/24/2017			0.92	0.15 (J)	
1/27/2017	0.28				
2/8/2017		<0.2			
2/23/2017		<0.2			
3/14/2017			0.77		0.11 (J)
3/15/2017	0.3			0.1 (J)	
3/17/2017		<0.2			
4/11/2017		<0.2			
4/25/2017			0.95	0.13 (J)	0.13 (J)
4/26/2017	0.33	<0.2			
5/17/2017		<0.2			
6/7/2017		<0.2			
7/11/2017		<0.2			
8/9/2017	0.32		0.91	0.18 (J)	0.19 (J)
10/11/2017		<0.2	0.88	<0.2	0.14 (J)
10/12/2017	0.28				
3/29/2018	0.27	<0.2		0.13 (J)	
3/30/2018			0.79		0.095 (J)
6/14/2018	0.27	<0.2	0.79	<0.2	0.11 (J)
10/3/2018			0.79		
10/4/2018	0.23	<0.2		0.85 (J)	0.11 (J)
2/26/2019					0.068 (J)
2/27/2019	0.25	<0.2	0.81	0.47	
4/3/2019	0.24	0.048 (J)			
4/4/2019			0.78	0.08 (J)	0.087 (J)
9/18/2019	0.22	0.035 (J)	0.81	0.058 (J)	0.066 (J)
2/5/2020	0.2	0.04 (J)			
2/7/2020			0.79	0.072 (J)	0.079 (J)
3/18/2020			0.71	0.084 (J)	<0.2
3/19/2020	0.15	<0.2			
9/23/2020			0.63	0.049 (J)	0.05 (J)
9/24/2020	<0.2	0.028 (J)			
2/4/2021	0.16	0.033 (J)	0.69	0.052 (J)	0.064 (J)
3/11/2021	0.18	0.04 (J)		0.061 (J)	0.05 (J)
3/12/2021			0.88		
8/25/2021	0.2	0.071 (J)		0.099 (J)	0.093 (J)
8/26/2021			0.77		
3/3/2022	0.21	0.057 (J)	0.88	0.067 (J)	
3/4/2022					0.06 (J)
8/16/2022					0.06 (J)
8/17/2022			0.68	0.062 (J)	
8/18/2022	0.14				
8/19/2022		<0.2			
2/15/2023			0.73	0.076 (J)	
2/16/2023	0.15	<0.2			0.069 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
8/15/2023				0.065 (J)	
8/16/2023	0.13	0.04 (J)	0.73		0.064 (J)
2/15/2024	0.21 (J)	<0.2	0.89	<0.2	<0.2
7/30/2024				<0.2	
7/31/2024	0.15		0.62		0.049 (J)
8/2/2024		<0.2			
2/11/2025					<0.2
2/12/2025	<0.2	<0.2		<0.2	
2/13/2025			0.72		
Mean	0.2273	0.1497	0.8014	0.1559	0.1016
Std. Dev.	0.07597	0.07476	0.09329	0.1604	0.04264
Upper Lim.	0.2628	0.2	0.845	0.1286	0.1215
Lower Lim.	0.1918	0.057	0.7578	0.07105	0.08168

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
11/11/2016	0.32				
2/6/2017	0.45				
3/15/2017	0.37				
4/11/2017	0.37				
4/26/2017	0.4				
6/7/2017	0.35				
7/11/2017	0.39				
8/10/2017	0.42				
10/12/2017	0.36				
3/29/2018	0.34				
6/14/2018	0.35				
10/4/2018	0.35				
2/28/2019	0.28				
4/2/2019	0.33				
9/18/2019	0.32				
2/7/2020	0.35				
5/4/2020	0.36				
9/23/2020	0.25				
2/3/2021	0.3				
3/8/2021		1.8			
3/9/2021			1.7	1.1	0.092 (J)
3/11/2021	0.31				
4/7/2021			1.6		0.093 (J)
4/8/2021		1.7		1.4	
8/26/2021	0.38	2	2	0.51	0.081 (J)
1/11/2022			1.9	0.45	0.045 (J)
1/12/2022		1.8			
3/3/2022	0.4		1.8		
3/4/2022		2		0.42	0.045 (J)
6/6/2022			1.9		0.028 (J)
6/7/2022		2.5		0.37	
8/16/2022			1.8		
8/17/2022	0.28				0.043 (J)
8/18/2022		2			
8/19/2022				0.31	
2/15/2023				0.31	0.048 (J)
2/16/2023	0.33	1.9	1.9		
8/11/2023		2.1			
8/16/2023	0.34				
8/17/2023			1.8	0.32	0.045 (J)
2/13/2024		<0.2			
2/14/2024				0.23	
2/15/2024	0.4		2.2		<0.2
7/31/2024	0.28	1.8			0.045 (J)
8/1/2024			<0.2		
8/2/2024				<0.2	
2/12/2025		<0.2		<0.2	
2/13/2025	0.058 (J)		<0.2		<0.2
Mean	0.3371	1.667	1.583	0.485	0.08042
Std. Dev.	0.07151	0.7152	0.6631	0.3755	0.05963
Upper Lim.	0.37	2.047	1.898	0.6207	0.2
Lower Lim.	0.3165	1.114	1.161	0.2384	0.043

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-24	WGWC-25	WGWC-27	WGWC-28D	PZ-26D
3/8/2021		<0.2			
3/9/2021	1				0.26
4/7/2021	1.1				0.22
4/8/2021		0.028 (J)			
8/26/2021	1.2	0.047 (J)			
1/11/2022	1	0.028 (J)			
3/3/2022	0.71				
3/4/2022		0.038 (J)			
6/6/2022	0.43				
6/7/2022		<0.2			
8/17/2022		<0.2			
8/18/2022	0.24				
10/19/2022			0.52		
2/15/2023	0.63	<0.2			
2/16/2023			0.92		
8/11/2023			1.1		
8/15/2023		0.049 (J)			
8/17/2023	0.28				0.22
9/26/2023				1.6	
11/7/2023				2.1	
2/14/2024	<0.2			<0.2	
2/15/2024		<0.2	1.2		0.29 (J)
7/31/2024	0.1 (J)	<0.2			
8/1/2024			0.66	<0.2	0.1 (J)
2/12/2025		<0.2	<0.2	<0.2	
2/13/2025	<0.2				<0.2
Mean	0.5908	0.1325	0.7667	0.86	0.215
Std. Dev.	0.4015	0.08364	0.3783	0.9209	0.06504
Upper Lim.	0.8251	0.2	1.241	2.1	0.2895
Lower Lim.	0.2105	0.028	0.2922	0.2	0.06718

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			<0.001		
5/19/2016	<0.001	<0.001		<0.001	<0.001
7/20/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/14/2016		<0.001	<0.001	<0.001	<0.001
9/15/2016	<0.001				
11/11/2016			<0.001	<0.001	<0.001
11/14/2016	<0.001				
1/27/2017				<0.001	<0.001
2/6/2017	<0.001		<0.001		
2/9/2017		<0.001			
3/15/2017	<0.001	<0.001	<0.001	<0.001	<0.001
4/11/2017		<0.001			
4/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001
8/10/2017	<0.001	<0.001	<0.001	<0.001	<0.001
3/29/2018	<0.001	<0.001		<0.001	<0.001
3/30/2018			<0.001		
2/27/2019	0.00017 (J)		0.00023 (J)	0.00058 (J)	<0.001
2/28/2019		0.00014 (J)			
4/3/2019	<0.001	<0.001		<0.001	<0.001
4/4/2019			<0.001		
9/19/2019	<0.001	<0.001	0.00041 (J)	<0.001	<0.001
2/5/2020		<0.001	0.00016 (J)	<0.001	<0.001
2/7/2020	<0.001				
3/18/2020			0.00021 (J)	<0.001	<0.001
3/19/2020	0.00016 (J)	<0.001			
9/22/2020	0.00013 (J)				
9/23/2020		<0.001	0.00013 (J)		<0.001
9/24/2020				0.00037 (J)	
2/3/2021	0.00013 (J)			<0.001	<0.001
2/4/2021		<0.001	0.00019 (J)		
3/11/2021	<0.001		0.00032 (J)		
3/12/2021		<0.001		0.00038 (J)	<0.001
8/25/2021				0.00023 (J)	<0.001
8/26/2021	0.00014 (J)	<0.001	0.00026 (J)		
3/3/2022	0.00052 (J)	<0.001	0.00025 (J)	<0.001	
3/4/2022					0.00033 (J)
8/16/2022	0.00041 (J)			<0.001	
8/17/2022		<0.001			
8/18/2022					<0.001
8/19/2022			0.0003 (J)		
2/15/2023		<0.001			
2/16/2023	0.00029 (J)		<0.001	<0.001	<0.001
8/15/2023	<0.001				
8/16/2023		<0.001		<0.001	<0.001
8/17/2023			<0.001		
2/13/2024	<0.001				
2/14/2024		<0.001			<0.001
2/15/2024			0.0007 (J)		
2/16/2024				<0.001	
7/31/2024			<0.001	<0.001	<0.001
8/1/2024	<0.001	<0.001			
2/11/2025	0.00023 (J)	<0.001		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
2/13/2025			<0.001		
Mean	0.0007272	0.0009656	0.0006864	0.0009024	0.0009732
Std. Dev.	0.0003799	0.000172	0.0003751	0.0002338	0.000134
Upper Lim.	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00029	0.00014	0.00026	0.00058	0.00033

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			<0.001	<0.001	<0.001
5/19/2016	<0.001				
7/19/2016			<0.001	<0.001	
7/20/2016	<0.001				<0.001
9/14/2016	0.00055 (J)		<0.001	<0.001	<0.001
11/10/2016	0.00047 (J)		<0.001	<0.001	<0.001
1/20/2017					<0.001
1/24/2017			<0.001	<0.001	
1/27/2017	<0.001				
2/8/2017		<0.001			
2/23/2017		<0.001			
3/14/2017			<0.001		<0.001
3/15/2017	<0.001			<0.001	
3/17/2017		<0.001			
4/11/2017		<0.001			
4/25/2017			<0.001	<0.001	<0.001
4/26/2017	<0.001	<0.001			
5/17/2017		<0.001			
6/7/2017		<0.001			
7/11/2017		<0.001			
8/9/2017	<0.001		<0.001	<0.001	<0.001
3/29/2018	<0.001	<0.001		<0.001	
3/30/2018			<0.001		<0.001
2/26/2019					0.00033 (J)
2/27/2019	0.00068 (J)	<0.001	<0.001	0.00014 (J)	
4/3/2019	0.00047 (J)	<0.001			
4/4/2019			<0.001	<0.001	<0.001
9/18/2019	0.00045 (J)	<0.001	<0.001	<0.001	<0.001
2/5/2020	0.00045 (J)	<0.001			
2/7/2020			<0.001	<0.001	<0.001
3/18/2020			<0.001	<0.001	0.0002 (J)
3/19/2020	0.0006 (J)	0.00017 (J)			
9/23/2020			<0.001	<0.001	<0.001
9/24/2020	<0.001	0.00018 (J)			
2/4/2021	0.00038 (J)	0.00013 (J)	0.0003 (J)	0.00013 (J)	<0.001
3/11/2021	0.00075 (J)	0.00031 (J)		<0.001	<0.001
3/12/2021			<0.001		
8/25/2021	0.00025 (J)	0.00041 (J)		<0.001	<0.001
8/26/2021			<0.001		
3/3/2022	0.00023 (J)	0.00057 (J)	<0.001	<0.001	
3/4/2022					<0.001
8/16/2022					<0.001
8/17/2022			<0.001	<0.001	
8/18/2022	0.0011				
8/19/2022		0.00036 (J)			
2/15/2023			<0.001	<0.001	
2/16/2023	0.00027 (J)	0.00024 (J)			<0.001
8/15/2023				<0.001	
8/16/2023	0.00025 (J)	0.00022 (J)	<0.001		<0.001
2/15/2024	<0.001	0.00029 (J)	<0.001	<0.001	<0.001
7/30/2024				<0.001	
7/31/2024	0.00026 (J)		<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
8/2/2024		<0.001			
2/11/2025					<0.001
2/12/2025	0.00022 (J)	<0.001		<0.001	
2/13/2025			<0.001		
Mean	0.0006552	0.0007152	0.000972	0.0009308	0.0009412
Std. Dev.	0.0003242	0.0003651	0.00014	0.0002395	0.0002044
Upper Lim.	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00038	0.00031	0.0003	0.00014	0.00033

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-19	WGWC-22	WGWC-23	WGWC-24	WGWC-25
11/11/2016	<0.001				
2/6/2017	<0.001				
3/15/2017	<0.001				
4/11/2017	<0.001				
4/26/2017	<0.001				
6/7/2017	<0.001				
7/11/2017	<0.001				
8/10/2017	<0.001				
3/29/2018	<0.001				
2/28/2019	<0.001				
4/2/2019	<0.001				
9/18/2019	<0.001				
2/7/2020	<0.001				
5/4/2020	<0.001				
9/23/2020	<0.001				
2/3/2021	<0.001				
3/11/2021	<0.001				
8/26/2021	<0.001	0.00022 (J)	<0.001	0.0012	<0.001
1/11/2022		0.00023 (J)	<0.001	0.00082 (J)	<0.001
3/3/2022	0.0003 (J)			0.00076 (J)	
3/4/2022		0.00036 (J)	<0.001		<0.001
6/6/2022			<0.001	0.00047 (J)	
6/7/2022		<0.001			<0.001
8/17/2022	<0.001		<0.001		<0.001
8/18/2022				0.00032 (J)	
8/19/2022		0.00037 (J)			
2/15/2023		0.00023 (J)	0.0046	0.00056 (J)	<0.001
2/16/2023	<0.001				
8/15/2023					<0.001
8/16/2023	<0.001				
8/17/2023		<0.001	<0.001	0.00029 (J)	
2/14/2024		<0.001		0.00037 (J)	
2/15/2024	<0.001		<0.001		<0.001
7/31/2024	<0.001		<0.001	0.00025 (J)	<0.001
8/2/2024		<0.001			
2/12/2025		<0.001			0.00065 (J)
2/13/2025	<0.001		0.002	0.0005 (J)	
Mean	0.000972	0.000641	0.00146	0.000554	0.000965
Std. Dev.	0.00014	0.0003818	0.001147	0.0002965	0.0001107
Upper Lim.	0.001	0.001	0.002	0.0008185	0.001
Lower Lim.	0.0003	0.00023	0.001	0.0002895	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-28D	PZ-26D
8/17/2023		<0.001
9/26/2023	<0.001	
2/14/2024	0.00022 (J)	
2/15/2024		<0.001
8/1/2024	<0.001	<0.001
2/12/2025	<0.001	
2/13/2025		0.001
Mean	0.000805	0.001
Std. Dev.	0.00039	2.4E-11
Upper Lim.	0.001	0.001
Lower Lim.	0.00022	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			0.032 (J)		
5/19/2016	0.0215 (J)	0.0335 (J)		<0.005	<0.05
7/20/2016	0.026	0.024	0.021	<0.005	0.0057
9/14/2016		0.039	0.02	<0.005	0.0077
9/15/2016	0.057				
11/11/2016			0.017	<0.005	0.007
11/14/2016	0.017				
1/27/2017				<0.005	0.0074
2/6/2017	0.012		0.016		
2/9/2017		0.04			
3/15/2017	0.014	0.035	0.014	<0.005	0.0077
4/11/2017		0.034			
4/26/2017	0.0091	0.029	0.011	<0.005	0.0011
8/10/2017	0.013	0.038	0.011	<0.005	0.0064
3/29/2018	0.018	0.048		0.0018 (J)	0.01
3/30/2018			0.016		
6/14/2018	0.015	0.034	0.0084	0.0011 (J)	0.0062
10/4/2018	0.013	0.039	0.0085	0.0014 (J)	0.0066
2/27/2019	0.014		0.0068	<0.005	0.0068
2/28/2019		0.037			
4/3/2019	0.015	0.035		<0.005	0.0075
4/4/2019			0.0059		
9/19/2019	0.014	0.036	0.0075	<0.005	0.0067
2/5/2020		0.034	0.0061	<0.005	0.0063
2/7/2020	0.014				
3/18/2020			0.0071	<0.005	0.0081
3/19/2020	0.015	0.039			
9/22/2020	0.013				
9/23/2020		0.033	0.0054		0.007
9/24/2020				<0.005	
2/3/2021	0.014			<0.005	0.0075
2/4/2021		0.035	0.0049 (J)		
3/11/2021	0.013		0.0051		
3/12/2021		0.034		<0.005	0.0089
8/25/2021				<0.005	0.0061
8/26/2021	0.013	0.03	0.0044 (J)		
3/3/2022	0.014	0.03	0.0038 (J)	<0.005	
3/4/2022					0.0061
8/16/2022	0.014			0.00092 (J)	
8/17/2022		0.028			
8/18/2022					0.0063
8/19/2022			0.0049 (J)		
2/15/2023		0.033			
2/16/2023	0.01		0.0025 (J)	<0.005	0.0036 (J)
8/15/2023	0.0084				
8/16/2023		0.03		<0.005	0.0056
8/17/2023			0.0024 (J)		
2/13/2024	0.012				
2/14/2024		0.026			0.0045 (J)
2/15/2024			0.0088		
2/16/2024				<0.005	
7/31/2024			0.0048 (J)	0.0025 (J)	0.0089

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
8/1/2024	0.016	0.032			
2/11/2025	0.011	0.029		<0.005	0.0032 (J)
2/13/2025			<0.005		
Mean	0.01578	0.03387	0.009548	0.00436	0.007181
Std. Dev.	0.008964	0.004972	0.006978	0.00139	0.004004
Upper Lim.	0.015	0.03624	0.01164	0.005	0.0077
Lower Lim.	0.013	0.0315	0.005906	0.0025	0.0061

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			<0.005	<0.005	<0.05
5/19/2016	<0.005				
7/19/2016			0.0036 (J)	0.0091	
7/20/2016	<0.005				0.0042 (J)
9/14/2016	<0.005		<0.005	0.012	0.0058
11/10/2016	0.0038 (J)		0.0064	0.013	0.0066
1/20/2017					0.0044 (J)
1/24/2017			0.0075	0.011	
1/27/2017	<0.005				
2/8/2017		0.0039 (J)			
2/23/2017		<0.005			
3/14/2017			0.0057		0.0048 (J)
3/15/2017	<0.005			0.01	
3/17/2017		<0.005			
4/11/2017		<0.005			
4/25/2017			0.0059	0.0081	0.0049 (J)
4/26/2017	<0.005	<0.005			
5/17/2017		0.0033 (J)			
6/7/2017		<0.005			
7/11/2017		<0.005			
8/9/2017	<0.005		0.0068	0.013	0.0067
3/29/2018	0.0022 (J)	0.0025 (J)		0.015	
3/30/2018			0.0077		0.0067
6/14/2018	0.0018 (J)	0.0018 (J)	0.0052	0.009	0.0046 (J)
10/3/2018			0.006		
10/4/2018	0.0025 (J)	0.0016 (J)		0.012	0.005
2/26/2019					0.0063
2/27/2019	<0.005	<0.005	0.0055	0.0075	
4/3/2019	<0.005	0.0015 (J)			
4/4/2019			0.0054	0.0077	0.0042 (J)
9/18/2019	<0.005	<0.005	0.0054	0.0056	0.0047 (J)
2/5/2020	<0.005	<0.005			
2/7/2020			0.0068	0.0053	0.0045 (J)
3/18/2020			0.0086	0.0057	0.0054
3/19/2020	<0.005	<0.005			
9/23/2020			0.0071	0.0059	0.0056
9/24/2020	<0.005	<0.005			
2/4/2021	<0.005	<0.005	0.0086	0.0051	0.0047 (J)
3/11/2021	0.0037 (J)	0.0035 (J)		0.005	0.0049 (J)
3/12/2021			0.0096		
8/25/2021	<0.005	<0.005		0.0046 (J)	0.0048 (J)
8/26/2021			0.0059		
3/3/2022	0.0018 (J)	0.0019 (J)	0.0068	0.0041 (J)	
3/4/2022					0.0042 (J)
8/16/2022					0.0053
8/17/2022			0.0073	0.0042 (J)	
8/18/2022	0.0024 (J)				
8/19/2022		0.0021 (J)			
2/15/2023			0.0062	0.0044 (J)	
2/16/2023	<0.005	<0.005			0.0026 (J)
8/15/2023				<0.005	
8/16/2023	<0.005	<0.005	0.0055		0.0031 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:46 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
2/15/2024	<0.005	<0.005	0.0055	0.0032 (J)	0.0026 (J)
7/30/2024				<0.005	
7/31/2024	0.0026 (J)		0.01		0.0029 (J)
8/2/2024		<0.005			
2/11/2025					0.0034 (J)
2/12/2025	<0.005	<0.005		0.0024 (J)	
2/13/2025			0.0052		
Mean	0.004289	0.004152	0.006267	0.007052	0.005478
Std. Dev.	0.001186	0.001319	0.001796	0.00373	0.004068
Upper Lim.	0.005	0.005	0.007123	0.008831	0.0056
Lower Lim.	0.0037	0.0033	0.00541	0.005273	0.0042

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
11/11/2016	0.045				
2/6/2017	0.05				
3/15/2017	0.052				
4/11/2017	0.048				
4/26/2017	0.044				
6/7/2017	0.047				
7/11/2017	0.045				
8/10/2017	0.056				
3/29/2018	0.072				
6/14/2018	0.048				
10/4/2018	0.062				
2/28/2019	0.045				
4/2/2019	0.052				
9/18/2019	0.052				
2/7/2020	0.044				
5/4/2020	0.049				
9/23/2020	0.056				
2/3/2021	0.06				
3/8/2021		0.11			
3/9/2021			0.022	0.011	<0.005
3/11/2021	0.051				
4/7/2021			0.031		<0.005
4/8/2021		0.11		0.0081	
8/26/2021	0.057	0.11	0.032	0.011	<0.005
1/11/2022			0.038	0.011	<0.005
1/12/2022		0.15			
3/3/2022	0.057		0.044		
3/4/2022		0.14		0.011	0.0015 (J)
6/6/2022			0.051		0.002 (J)
6/7/2022		0.12		0.0093	
8/16/2022			0.059		
8/17/2022	0.056				0.0017 (J)
8/18/2022		0.11			
8/19/2022				0.01	
2/15/2023				0.009	<0.005
2/16/2023	0.053	0.14	0.053		
8/11/2023		0.13			
8/16/2023	0.062				
8/17/2023			0.061	0.0069	<0.005
2/13/2024		0.15			
2/14/2024				0.0028 (J)	
2/15/2024	0.056		0.074		0.0044 (J)
7/31/2024	0.067	0.16			0.0042 (J)
8/1/2024			0.068		
8/2/2024				0.0086	
2/12/2025		0.14		0.0069	
2/13/2025	0.06		0.065		<0.005
Mean	0.05356	0.1308	0.05938	0.0088	0.004067
Std. Dev.	0.007202	0.01832	0.009782	0.002428	0.001436
Upper Lim.	0.05699	0.1452	0.06974	0.01056	0.005
Lower Lim.	0.05012	0.1165	0.04901	0.007365	0.0017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-24	WGWC-25	WGWC-27	WGWC-28D	PZ-26D
3/8/2021		0.0046 (J)			
3/9/2021	0.0084				
4/7/2021	0.0077				
4/8/2021		0.0044 (J)			
8/26/2021	0.0076	0.0044 (J)			
1/11/2022	0.0091	0.0043 (J)			
3/3/2022	0.0066				
3/4/2022		0.0035 (J)			
6/6/2022	0.0044 (J)				
6/7/2022		0.004 (J)			
8/17/2022		0.0036 (J)			
8/18/2022	0.0036 (J)				
10/19/2022			0.0072		
2/15/2023	0.0068	0.0031 (J)			
2/16/2023			0.024		
8/11/2023			0.036		
8/15/2023		<0.005			
8/17/2023	0.0022 (J)				0.028
9/26/2023				0.18	
11/7/2023				0.21	
2/14/2024	0.0044 (J)			0.21	
2/15/2024		0.0063	0.038		0.031
7/31/2024	0.0067	0.0037 (J)			
8/1/2024			0.029	0.2	0.032
2/12/2025		<0.005	0.026	0.19	
2/13/2025	0.0034 (J)				0.024
Mean	0.005908	0.004325	0.0267	0.198	0.02875
Std. Dev.	0.002222	0.0008582	0.01102	0.01304	0.003594
Upper Lim.	0.007651	0.004714	0.04184	0.2198	0.03691
Lower Lim.	0.004165	0.003445	0.01156	0.1762	0.02059

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			<0.0002		
5/19/2016	<0.0002	<0.0002		<0.0002	<0.0002
7/20/2016	<0.0002	<0.0002	8.2E-05 (J)	8.2E-05 (J)	0.00011 (J)
9/14/2016		<0.0002	<0.0002	<0.0002	<0.0002
9/15/2016	0.00011 (J)				
11/11/2016			8.5E-05 (J)	0.00011 (J)	7.9E-05 (J)
11/14/2016	<0.0002				
1/27/2017				<0.0002	<0.0002
2/6/2017	7.8E-05 (J)		8.3E-05 (J)		
2/9/2017		<0.0002			
3/15/2017	0.00013 (J)	0.00013 (J)	0.00013 (J)	<0.0002	0.00018 (J)
4/11/2017		<0.0002			
4/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/10/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/29/2018	<0.0002	<0.0002		<0.0002	0.00011 (J)
3/30/2018			<0.0002		
6/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/4/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/27/2019	<0.0002		<0.0002	<0.0002	<0.0002
2/28/2019		<0.0002			
2/5/2020		<0.0002	<0.0002	<0.0002	<0.0002
2/7/2020	<0.0002				
3/18/2020			<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002			
9/22/2020	<0.0002				
9/23/2020		<0.0002	<0.0002		<0.0002
9/24/2020				<0.0002	
2/3/2021	<0.0002			<0.0002	<0.0002
2/4/2021		<0.0002	<0.0002		
3/3/2022	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2022					<0.0002
8/16/2022	<0.0002			<0.0002	
8/17/2022		<0.0002			
8/18/2022					<0.0002
8/19/2022			<0.0002		
2/15/2023		<0.0002			
2/16/2023	<0.0002		<0.0002	<0.0002	<0.0002
8/15/2023	<0.0002				
8/16/2023		<0.0002		<0.0002	<0.0002
8/17/2023			<0.0002		
2/13/2024	<0.0002				
2/14/2024		<0.0002			<0.0002
2/15/2024			<0.0002		
2/16/2024				<0.0002	
7/31/2024			<0.0002	<0.0002	<0.0002
8/1/2024	<0.0002	<0.0002			
2/11/2025	<0.0002	<0.0002		<0.0002	<0.0002
2/13/2025			<0.0002		
Mean	0.0001877	0.000197	0.0001817	0.000191	0.000186
Std. Dev.	3.332E-05	1.46E-05	4.16E-05	3.026E-05	3.488E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00013	0.00013	0.00013	0.00011	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
5/18/2016			<0.0002	<0.0002	<0.0002
5/19/2016	<0.0002				
7/19/2016			9.3E-05 (J)	<0.0002	
7/20/2016	8.1E-05 (J)				7.4E-05 (J)
9/14/2016	<0.0002		<0.0002	<0.0002	<0.0002
11/10/2016	8.3E-05 (J)		8.5E-05 (J)	0.00012 (J)	<0.0002
1/20/2017					<0.0002
1/24/2017			<0.0002	7E-05 (J)	
1/27/2017	<0.0002				
2/8/2017		<0.0002			
2/23/2017		<0.0002			
3/14/2017			7.1E-05 (J)		<0.0002
3/15/2017	<0.0002			<0.0002	
3/17/2017		0.00013 (J)			
4/11/2017		<0.0002			
4/25/2017			<0.0002	0.00019 (J)	<0.0002
4/26/2017	<0.0002	<0.0002			
5/17/2017		<0.0002			
6/7/2017		<0.0002			
7/11/2017		<0.0002			
8/9/2017	<0.0002		<0.0002	<0.0002	<0.0002
3/29/2018	<0.0002	<0.0002		<0.0002	
3/30/2018			8.6E-05 (J)		<0.0002
6/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/3/2018			<0.0002		
10/4/2018	<0.0002	<0.0002		<0.0002	<0.0002
2/26/2019					<0.0002
2/27/2019	<0.0002	<0.0002	<0.0002	<0.0002	
2/5/2020	<0.0002	<0.0002			
2/7/2020			<0.0002	<0.0002	<0.0002
3/18/2020			<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002	<0.0002			
9/23/2020			<0.0002	<0.0002	<0.0002
9/24/2020	<0.0002	<0.0002			
2/4/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/3/2022	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2022					<0.0002
8/16/2022					<0.0002
8/17/2022			<0.0002	<0.0002	
8/18/2022	<0.0002				
8/19/2022		<0.0002			
2/15/2023			<0.0002	<0.0002	
2/16/2023	<0.0002	<0.0002			<0.0002
8/15/2023				<0.0002	
8/16/2023	<0.0002	<0.0002	<0.0002		<0.0002
2/15/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
7/30/2024				<0.0002	
7/31/2024	<0.0002		<0.0002		<0.0002
8/2/2024		<0.0002			
2/11/2025					<0.0002
2/12/2025	<0.0002	<0.0002		<0.0002	
2/13/2025			<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17
Mean	0.0001897	0.000197	0.0001798	0.0001904	0.0001945
Std. Dev.	3.4E-05	1.46E-05	4.518E-05	3.111E-05	2.627E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	8.3E-05	0.00013	9.3E-05	0.00019	7.4E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals
Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
11/11/2016	7.6E-05 (J)				
2/6/2017	0.00012 (J)				
3/15/2017	<0.0002				
4/11/2017	<0.0002				
4/26/2017	<0.0002				
6/7/2017	<0.0002				
7/11/2017	<0.0002				
8/10/2017	<0.0002				
3/29/2018	<0.0002				
6/14/2018	<0.0002				
10/4/2018	<0.0002				
2/28/2019	<0.0002				
2/7/2020	<0.0002				
5/4/2020	<0.0002				
9/23/2020	<0.0002				
2/3/2021	<0.0002				
8/26/2021		0.00033	0.0002	0.00018 (J)	0.00022
1/11/2022			<0.0002	<0.0002	<0.0002
1/12/2022		<0.0002			
3/3/2022	<0.0002		<0.0002		
3/4/2022		<0.0002		<0.0002	<0.0002
6/6/2022			<0.0002		<0.0002
6/7/2022		<0.0002		<0.0002	
8/16/2022			<0.0002		
8/17/2022	<0.0002				<0.0002
8/18/2022		<0.0002			
8/19/2022				<0.0002	
2/15/2023				<0.0002	<0.0002
2/16/2023	<0.0002	<0.0002	<0.0002		
8/11/2023		<0.0002			
8/16/2023	<0.0002				
8/17/2023			<0.0002	<0.0002	<0.0002
2/13/2024		<0.0002			
2/14/2024				<0.0002	
2/15/2024	<0.0002		<0.0002		<0.0002
7/31/2024	<0.0002	<0.0002			<0.0002
8/1/2024			<0.0002		
8/2/2024				<0.0002	
2/12/2025		<0.0002		<0.0002	
2/13/2025	<0.0002		<0.0002		<0.0002
Mean	0.0001911	0.000213	0.0002	0.000198	0.000202
Std. Dev.	3.013E-05	4.111E-05	1.6E-12	6.325E-06	6.325E-06
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00012	0.0002	0.0002	0.0002	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-24	WGWC-25
8/26/2021	0.00026	0.0019
1/11/2022	<0.0002	<0.0002
3/3/2022	<0.0002	
3/4/2022		<0.0002
6/6/2022	<0.0002	
6/7/2022		<0.0002
8/17/2022		<0.0002
8/18/2022	<0.0002	
2/15/2023	<0.0002	<0.0002
8/15/2023		<0.0002
8/17/2023	<0.0002	
2/14/2024	<0.0002	
2/15/2024		<0.0002
7/31/2024	<0.0002	<0.0002
2/12/2025		<0.0002
2/13/2025	<0.0002	
Mean	0.000206	0.00037
Std. Dev.	1.897E-05	0.0005376
Upper Lim.	0.0002	0.0002
Lower Lim.	0.0002	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13
5/18/2016		<0.015			
5/19/2016	0.00762 (J)		<0.015	<0.015	0.00491 (J)
7/20/2016	0.0084 (J)	<0.015	<0.015	0.00095 (J)	0.0025 (J)
9/14/2016	0.0071 (J)	0.00091 (J)	<0.015	0.0009 (J)	0.0028 (J)
11/10/2016					0.0016 (J)
11/11/2016		<0.015	<0.015	<0.015	
1/27/2017			<0.015	<0.015	0.0023 (J)
2/6/2017		<0.015			
2/9/2017	0.018				
3/15/2017	0.0057 (J)	<0.015	<0.015	<0.015	0.0022 (J)
4/11/2017	0.0047 (J)				
4/26/2017	0.004 (J)	<0.015	<0.015	<0.015	0.0019 (J)
8/9/2017					0.0028 (J)
8/10/2017	0.0046 (J)	0.00093 (J)	0.0011 (J)	0.0046 (J)	
3/29/2018	0.0048 (J)		<0.015	<0.015	0.0028 (J)
3/30/2018		<0.015			
6/14/2018	0.0046 (J)	<0.015	<0.015	<0.015	0.0018 (J)
10/4/2018	0.003 (J)	<0.015	<0.015	<0.015	<0.015
2/27/2019		<0.015	<0.015	0.00063 (J)	0.0019 (J)
2/28/2019	0.0053				
4/3/2019	0.0026 (J)		<0.015	<0.015	<0.015
4/4/2019		<0.015			
9/18/2019					0.0021 (J)
9/19/2019	0.0048 (J)	<0.015	<0.015	0.00073 (J)	
2/5/2020	0.0044 (J)	<0.015	<0.015	<0.015	0.0012 (J)
3/18/2020		<0.015	<0.015	<0.015	
3/19/2020	0.0042 (J)				0.0018 (J)
9/23/2020	0.0027 (J)	<0.015		<0.015	
9/24/2020			0.0017 (J)		<0.015
2/3/2021			<0.015	<0.015	
2/4/2021	0.003 (J)	<0.015			0.0012 (J)
3/11/2021		<0.015			0.0013 (J)
3/12/2021	0.003 (J)		<0.015	0.00062 (J)	
8/25/2021			<0.015	<0.015	0.00092 (J)
8/26/2021	0.0028 (J)	<0.015			
3/3/2022	0.0027 (J)	<0.015	<0.015		0.00094 (J)
3/4/2022				<0.015	
8/16/2022			<0.015		
8/17/2022	0.0027 (J)				
8/18/2022				<0.015	0.00087 (J)
8/19/2022		<0.015			
2/15/2023	0.0025 (J)				
2/16/2023		<0.015	<0.015	<0.015	0.0013 (J)
8/16/2023	0.0031 (J)		<0.015	<0.015	0.0012 (J)
8/17/2023		<0.015			
2/14/2024	0.0033 (J)			<0.015	
2/15/2024		<0.015			0.0012 (J)
2/16/2024			<0.015		
7/31/2024		<0.015	<0.015	<0.015	0.0011 (J)
8/1/2024	0.0028 (J)				
2/11/2025	0.0033 (J)		<0.015	<0.015	
2/12/2025					0.0013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-9	WGWC-10	WGWC-11	WGWC-12	WGWC-13
2/13/2025		<0.015			
Mean	0.004656	0.01396	0.01399	0.01198	0.002461
Std. Dev.	0.003105	0.003758	0.003631	0.005801	0.002004
Upper Lim.	0.0048	0.015	0.015	0.015	0.0025
Lower Lim.	0.0028	0.00093	0.0017	0.0046	0.0012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-15	WGWC-17	WGWC-19	WGWC-20
5/18/2016		0.0153	0.00526 (J)		
7/19/2016		0.0093 (J)			
7/20/2016			0.0066 (J)		
9/14/2016		0.012 (J)	0.0081 (J)		
11/10/2016		0.0065 (J)	0.0076 (J)		
11/11/2016				<0.015	
1/20/2017			0.0094 (J)		
1/24/2017		0.0049 (J)			
2/6/2017				0.001 (J)	
2/8/2017	<0.015				
2/23/2017	<0.015				
3/14/2017		0.0034 (J)	0.0044 (J)		
3/15/2017				<0.015	
3/17/2017	<0.015				
4/11/2017	<0.015			<0.015	
4/25/2017		0.004 (J)	0.0074 (J)		
4/26/2017	<0.015			<0.015	
5/17/2017	<0.015				
6/7/2017	0.001 (J)			0.0015 (J)	
7/11/2017	<0.015			<0.015	
8/9/2017		0.0042 (J)	0.0066 (J)		
8/10/2017				0.0016 (J)	
3/29/2018	<0.015			0.0012 (J)	
3/30/2018		0.0049 (J)	0.0024 (J)		
6/14/2018	<0.015	0.0056 (J)	0.0026 (J)	0.0014 (J)	
10/3/2018		0.0041 (J)			
10/4/2018	<0.015		0.00085 (J)	<0.015	
2/26/2019			0.0032 (J)		
2/27/2019	<0.015	0.0061			
2/28/2019				0.0013 (J)	
4/2/2019				<0.015	
4/3/2019	<0.015				
4/4/2019		0.0039 (J)	0.002 (J)		
9/18/2019	<0.015	0.0052	0.0026 (J)	0.0011 (J)	
2/5/2020	<0.015				
2/7/2020		0.0024 (J)	0.0025 (J)	0.0014 (J)	
3/18/2020		0.002 (J)	0.0024 (J)		
3/19/2020	<0.015				
5/4/2020				0.0013 (J)	
9/23/2020		0.0031 (J)	0.0027 (J)	0.0013 (J)	
9/24/2020	<0.015				
2/3/2021				0.0013 (J)	
2/4/2021	<0.015	0.0022 (J)	0.0025 (J)		
3/11/2021	<0.015		0.0022 (J)	0.0012 (J)	
3/12/2021		0.0019 (J)			
8/25/2021	<0.015		0.0022 (J)		
8/26/2021		0.0029 (J)		0.0011 (J)	0.00079 (J)
1/12/2022					0.00062 (J)
3/3/2022	<0.015	0.0025 (J)		0.0013 (J)	
3/4/2022			0.0021 (J)		<0.015
6/7/2022					<0.015
8/16/2022			0.0024 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-15	WGWC-17	WGWC-19	WGWC-20
8/17/2022		0.0025 (J)		0.001 (J)	
8/18/2022					<0.015
8/19/2022	<0.015				
2/15/2023		0.0027 (J)			
2/16/2023	<0.015		0.0022 (J)	0.0014 (J)	<0.015
8/11/2023					<0.015
8/16/2023	<0.015	0.003 (J)	0.0023 (J)	0.0013 (J)	
2/13/2024					<0.015
2/15/2024	<0.015	0.0021 (J)	0.0023 (J)	0.0014 (J)	
7/31/2024		0.0028 (J)	0.0023 (J)	0.0012 (J)	<0.015
8/2/2024	<0.015				
2/11/2025			0.0023 (J)		
2/12/2025	<0.015				0.00087 (J)
2/13/2025		0.0023 (J)		0.0014 (J)	
Mean	0.01448	0.004511	0.003682	0.004841	0.01073
Std. Dev.	0.002694	0.003167	0.002323	0.006126	0.006879
Upper Lim.	0.015	0.004959	0.00526	0.0016	0.015
Lower Lim.	0.001	0.002949	0.0023	0.0012	0.00079

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-21	WGWC-22	WGWC-28D	PZ-26D
8/26/2021	0.044	<0.015		
1/11/2022	0.037	<0.015		
3/3/2022	0.036			
3/4/2022		0.00084 (J)		
6/6/2022	0.032			
6/7/2022		<0.015		
8/16/2022	0.042			
8/19/2022		<0.015		
2/15/2023		<0.015		
2/16/2023	0.034			
8/17/2023	0.029	<0.015		0.0025 (J)
9/26/2023			0.018	
2/14/2024		<0.015	0.0094 (J)	
2/15/2024	0.023			0.0024 (J)
8/1/2024	0.027		0.0089 (J)	0.0028 (J)
8/2/2024		0.0082 (J)		
2/12/2025		<0.015	0.0088 (J)	
2/13/2025	0.027			0.0027 (J)
Mean	0.0331	0.0129	0.01128	0.0026
Std. Dev.	0.006806	0.004747	0.004491	0.0001826
Upper Lim.	0.03917	0.015	0.018	0.003015
Lower Lim.	0.02703	0.0082	0.0088	0.002185

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
5/18/2016			<0.005		
5/19/2016	0.00518 (J)	0.00228 (J)		<0.005	<0.005
7/20/2016	0.0038	0.0016	<0.005	<0.005	<0.005
9/14/2016		0.0024	<0.005	<0.005	<0.005
9/15/2016	0.0034				
11/11/2016			<0.005	<0.005	<0.005
11/14/2016	0.0033				
1/27/2017				<0.005	<0.005
2/6/2017	0.0033		<0.005		
2/9/2017		0.0023			
3/15/2017	0.003	0.0031	<0.005	<0.005	<0.005
4/11/2017		0.0023			
4/26/2017	0.0032	0.0019	<0.005	<0.005	<0.005
8/10/2017	0.0031	0.0021	0.00031 (J)	0.00049 (J)	0.0021
3/29/2018	0.0034	0.0021		<0.005	<0.005
3/30/2018			<0.005		
6/14/2018	0.0031	0.0025	<0.005	<0.005	<0.005
10/4/2018	0.0033	0.002	<0.005	<0.005	<0.005
2/27/2019	0.0035		<0.005	<0.005	<0.005
2/28/2019		0.0027			
4/3/2019	0.0031	0.0019		<0.005	<0.005
4/4/2019			<0.005		
9/19/2019	0.0021 (J)	0.0026 (J)	<0.005	<0.005	<0.005
2/5/2020		0.0033 (J)	<0.005	<0.005	<0.005
2/7/2020	0.0048 (J)				
3/18/2020			<0.005	<0.005	<0.005
3/19/2020	0.0037 (J)	0.0033 (J)			
9/22/2020	0.0039 (J)				
9/23/2020		0.0029 (J)	<0.005		<0.005
9/24/2020				<0.005	
2/3/2021	0.0036 (J)			<0.005	<0.005
2/4/2021		0.003 (J)	<0.005		
3/11/2021	0.0038 (J)		<0.005		
3/12/2021		0.0034 (J)		<0.005	<0.005
8/25/2021				<0.005	<0.005
8/26/2021	0.0037 (J)	0.0028 (J)	<0.005		
3/3/2022	0.0038 (J)	0.0021 (J)	<0.005	<0.005	
3/4/2022					<0.005
8/16/2022	0.0075			<0.005	
8/17/2022		0.0022 (J)			
8/18/2022					<0.005
8/19/2022			<0.005		
2/15/2023		0.0037 (J)			
2/16/2023	0.0033 (J)		<0.005	<0.005	<0.005
8/15/2023	0.0037 (J)				
8/16/2023		0.0036 (J)		<0.005	<0.005
8/17/2023			<0.005		
2/13/2024	0.007				
2/14/2024		0.0022 (J)			<0.005
2/15/2024			<0.005		
2/16/2024				<0.005	
7/31/2024			<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-8	WGWC-9	WGWC-10	WGWC-11	WGWC-12
8/1/2024	0.0071	0.0032 (J)			
2/11/2025	0.0048 (J)	0.0029 (J)		<0.005	<0.005
2/13/2025			<0.005		
Mean	0.003981	0.002607	0.004826	0.004833	0.004893
Std. Dev.	0.001311	0.0005742	0.0009026	0.0008679	0.0005581
Upper Lim.	0.0039	0.002881	0.005	0.005	0.005
Lower Lim.	0.0033	0.002333	0.00031	0.00049	0.0021

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-15	WGWC-16	WGWC-19	WGWC-20
5/18/2016		<0.005	0.00735 (J)		
7/19/2016		<0.005	0.0075		
9/14/2016		<0.005	0.0091		
11/10/2016		<0.005	0.0056		
11/11/2016				<0.005	
1/24/2017		<0.005	0.012		
2/6/2017				<0.005	
2/8/2017	<0.005				
2/23/2017	<0.005				
3/14/2017		<0.005			
3/15/2017			0.012	<0.005	
3/17/2017	<0.005				
4/11/2017	<0.005			<0.005	
4/25/2017		<0.005	0.013		
4/26/2017	<0.005			<0.005	
5/17/2017	<0.005				
6/7/2017	<0.005			<0.005	
7/11/2017	<0.005			<0.005	
8/9/2017		<0.005	0.016		
8/10/2017				0.00036 (J)	
3/29/2018	0.0003 (J)		0.016	<0.005	
3/30/2018		<0.005			
6/14/2018	<0.005	0.0005 (J)	0.012	<0.005	
10/3/2018		<0.005			
10/4/2018	<0.005		0.013	<0.005	
2/27/2019	<0.005	<0.005	0.0081		
2/28/2019				<0.005	
4/2/2019				<0.005	
4/3/2019	<0.005				
4/4/2019		<0.005	0.0091		
9/18/2019	<0.005	<0.005	0.0044 (J)	<0.005	
2/5/2020	<0.005				
2/7/2020		<0.005	0.0036 (J)	<0.005	
3/18/2020		<0.005	0.0046 (J)		
3/19/2020	<0.005				
5/4/2020				<0.005	
9/23/2020		<0.005	0.0028 (J)	<0.005	
9/24/2020	<0.005				
2/3/2021				<0.005	
2/4/2021	<0.005	<0.005	0.0023 (J)		
3/11/2021	<0.005		0.0023 (J)	<0.005	
3/12/2021		<0.005			
8/25/2021	<0.005		0.0019 (J)		
8/26/2021		<0.005		<0.005	0.0016 (J)
1/12/2022					<0.005
3/3/2022	<0.005	<0.005	0.0018 (J)	<0.005	
3/4/2022					0.0014 (J)
6/7/2022					0.0014 (J)
8/17/2022		<0.005	<0.005	<0.005	
8/18/2022					0.0027 (J)
8/19/2022	<0.005				
2/15/2023		<0.005	0.0019 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-14A	WGWC-15	WGWC-16	WGWC-19	WGWC-20
2/16/2023	<0.005			<0.005	0.0017 (J)
8/11/2023					0.0016 (J)
8/15/2023			0.0018 (J)		
8/16/2023	<0.005	<0.005		<0.005	
2/13/2024					0.0035 (J)
2/15/2024	<0.005	<0.005	<0.005	<0.005	
7/30/2024			0.0015 (J)		
7/31/2024		<0.005		<0.005	0.0043 (J)
8/2/2024	<0.005				
2/12/2025	<0.005		<0.005		0.0026 (J)
2/13/2025		<0.005		<0.005	
Mean	0.004826	0.004833	0.006561	0.004828	0.00233
Std. Dev.	0.0009045	0.000866	0.0048	0.000893	0.0009821
Upper Lim.	0.005	0.005	0.007191	0.005	0.003206
Lower Lim.	0.0003	0.0005	0.003354	0.00036	0.001454

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-22	WGWC-23	WGWC-24
8/26/2021	0.0049 (J)	0.002 (J)	<0.005
1/11/2022	0.0065	0.0024 (J)	<0.005
3/3/2022			0.00077 (J)
3/4/2022	0.0072	0.002 (J)	
6/6/2022		0.0018 (J)	<0.005
6/7/2022	0.0047 (J)		
8/17/2022		0.0013 (J)	
8/18/2022			<0.005
8/19/2022	0.0035 (J)		
2/15/2023	0.0077	0.0026 (J)	<0.005
8/17/2023	0.0038 (J)	0.0024 (J)	<0.005
2/14/2024	0.0041 (J)		<0.005
2/15/2024		0.003 (J)	
7/31/2024		0.0027 (J)	<0.005
8/2/2024	0.0036 (J)		
2/12/2025	0.003 (J)		
2/13/2025		0.0031 (J)	<0.005
Mean	0.0049	0.00233	0.004577
Std. Dev.	0.001661	0.0005599	0.001338
Upper Lim.	0.006382	0.00283	0.005
Lower Lim.	0.003418	0.00183	0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-10	WGWC-11	WGWC-14A	WGWC-16	WGWC-19
5/18/2016	<0.001			<0.001	
5/19/2016		<0.001			
7/19/2016				8.5E-05 (J)	
7/20/2016	<0.001	<0.001			
9/14/2016	<0.001	<0.001		0.00017 (J)	
11/10/2016				0.00017 (J)	
11/11/2016	<0.001	<0.001			<0.001
1/24/2017				0.00023 (J)	
1/27/2017		<0.001			
2/6/2017	<0.001				<0.001
2/8/2017			0.00011 (J)		
2/23/2017			0.00012 (J)		
3/15/2017	<0.001	<0.001		0.00021 (J)	<0.001
3/17/2017			<0.001		
4/11/2017			<0.001		<0.001
4/25/2017				0.00024 (J)	
4/26/2017	<0.001	<0.001	<0.001		<0.001
5/17/2017			<0.001		
6/7/2017			<0.001		<0.001
7/11/2017			<0.001		<0.001
8/9/2017				0.0002 (J)	
8/10/2017	<0.001	<0.001			<0.001
3/29/2018		<0.001	0.0002 (J)	0.00019 (J)	<0.001
3/30/2018	8.5E-05 (J)				
6/14/2018	<0.001	<0.001	0.00014 (J)	0.00017 (J)	<0.001
10/4/2018	<0.001	<0.001	0.00013 (J)	0.00015 (J)	<0.001
2/27/2019	<0.001	<0.001	0.00016 (J)	0.00015 (J)	
2/28/2019					<0.001
4/2/2019					<0.001
4/3/2019		<0.001	0.00012 (J)		
4/4/2019	<0.001			9.5E-05 (J)	
9/18/2019			<0.001	<0.001	<0.001
9/19/2019	<0.001	<0.001			
2/5/2020	<0.001	<0.001	0.00022 (J)		
2/7/2020				<0.001	<0.001
3/18/2020	<0.001	<0.001		<0.001	
3/19/2020			0.00017 (J)		
5/4/2020					<0.001
9/23/2020	<0.001			<0.001	<0.001
9/24/2020		<0.001	<0.001		
2/3/2021		0.00016 (J)			0.00018 (J)
2/4/2021	<0.001		0.00021 (J)	<0.001	
3/11/2021	<0.001		0.00019 (J)	<0.001	<0.001
3/12/2021		<0.001			
8/25/2021		<0.001	<0.001	<0.001	
8/26/2021	<0.001				<0.001
3/3/2022	<0.001	<0.001	<0.001	<0.001	<0.001
8/16/2022		<0.001			
8/17/2022				<0.001	<0.001
8/19/2022	<0.001		<0.001		
2/15/2023				<0.001	
2/16/2023	<0.001	<0.001	<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-10	WGWC-11	WGWC-14A	WGWC-16	WGWC-19
8/15/2023				<0.001	
8/16/2023		<0.001	<0.001		<0.001
8/17/2023	<0.001				
2/15/2024	<0.001		<0.001	<0.001	<0.001
2/16/2024		<0.001			
7/30/2024				<0.001	
7/31/2024	<0.001	<0.001			<0.001
8/2/2024			<0.001		
2/11/2025		<0.001			
2/12/2025			<0.001	<0.001	
2/13/2025	<0.001				<0.001
Mean	0.0009661	0.0009689	0.0006581	0.0006319	0.0009696
Std. Dev.	0.0001761	0.0001617	0.0004209	0.0004206	0.0001578
Upper Lim.	0.001	0.001	0.001	0.001	0.001
Lower Lim.	8.5E-05	0.00016	0.00017	0.00019	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/11/2025 2:47 PM View: Confidence Intervals

Plant Wansley Client: Southern Company Data: Wansley AP 1

	WGWC-22	WGWC-24
8/26/2021	<0.001	0.00072 (J)
1/11/2022	<0.001	0.00062 (J)
3/3/2022		0.0006 (J)
3/4/2022	0.00047 (J)	
6/6/2022		0.00052 (J)
6/7/2022	<0.001	
8/18/2022		0.0003 (J)
8/19/2022	<0.001	
2/15/2023	<0.001	0.00045 (J)
8/17/2023	<0.001	0.00028 (J)
2/14/2024	<0.001	0.00033 (J)
7/31/2024		0.00031 (J)
8/2/2024	<0.001	
2/12/2025	<0.001	
2/13/2025		<0.001
Mean	0.000947	0.000463
Std. Dev.	0.0001676	0.0001547
Upper Lim.	0.001	0.000601
Lower Lim.	0.001	0.000325

ND substitution: RL or RL/2 if <15% NDs.

FIGURE I.

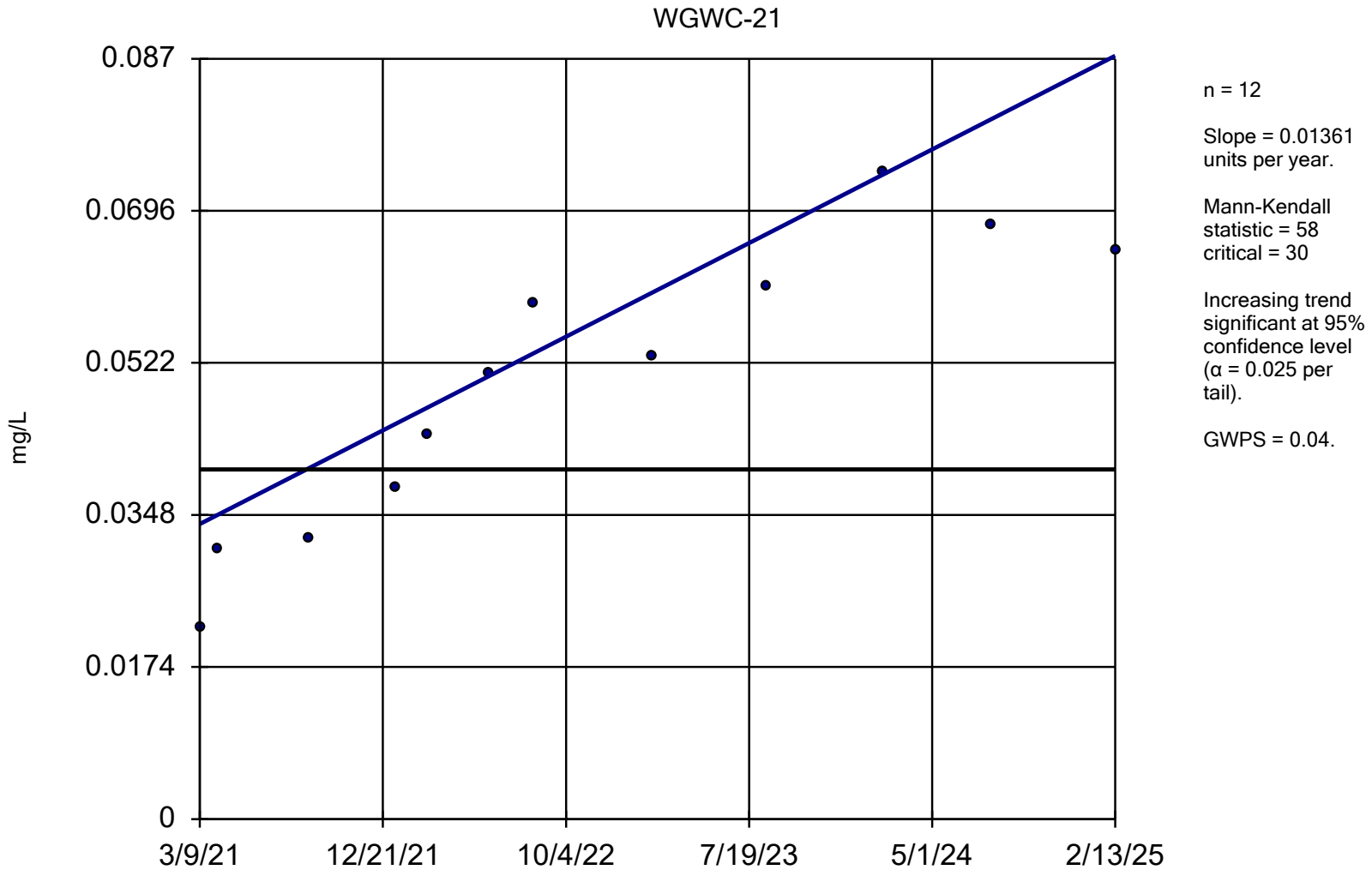
Lithium WGWC-21 Trend Test - All/Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/16/2025, 4:30 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Lithium (mg/L)	**WGWC-21**	**0.01361**	**58**	**30**	**Yes**	**12**	**0**	**n/a**	**0.05**	**NP**

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Sen's Slope Estimator



Constituent: Lithium Analysis Run 4/11/2025 2:48 PM View: Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

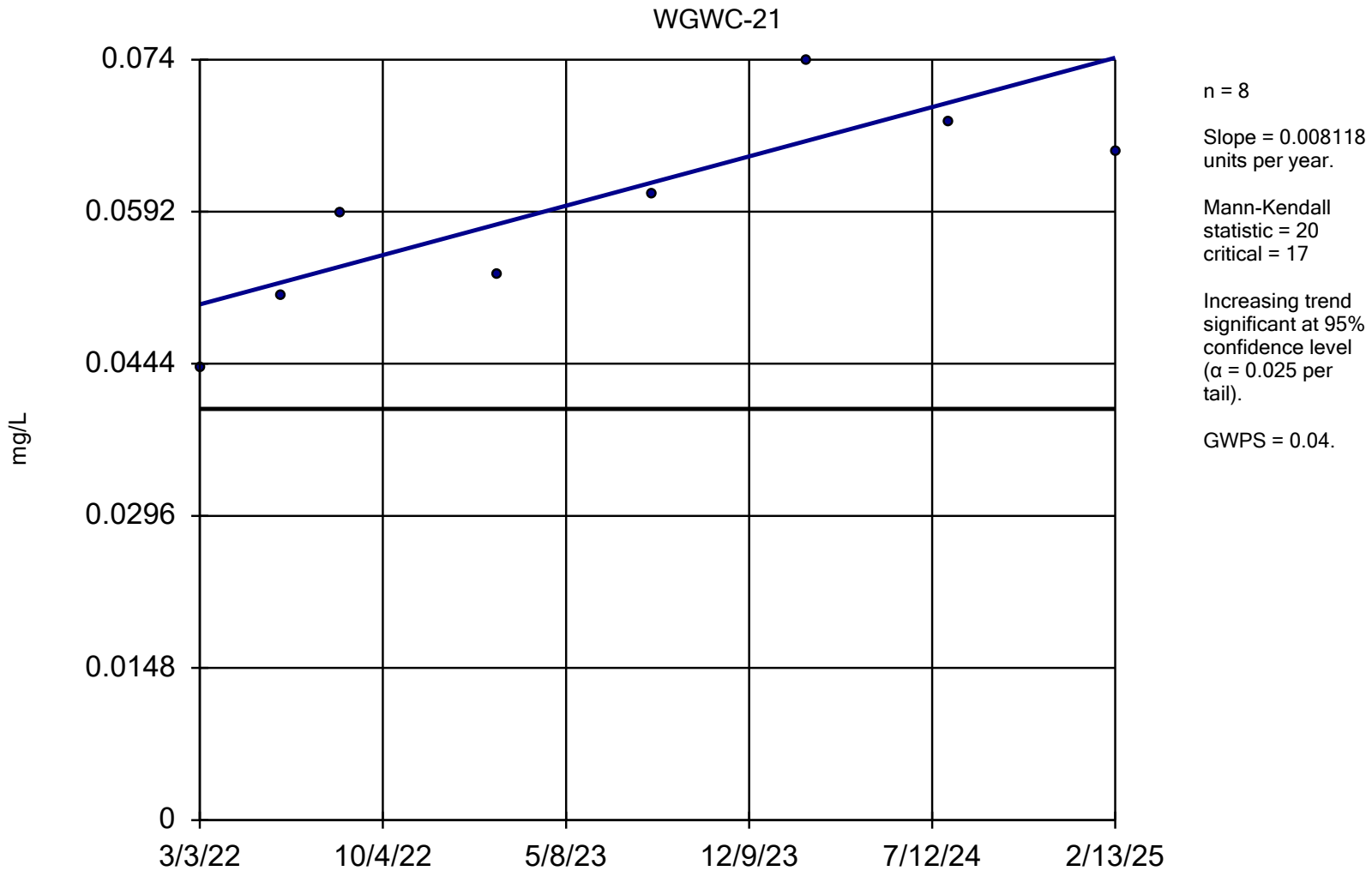
Lithium WGWC-21 Trend Test - Truncated Record - All/Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/17/2025, 2:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Lithium (mg/L)	**WGWC-21**	**0.008118**	**20**	**17**	**Yes**	**8**	**0**	**n/a**	**0.05**	**NP**

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Sen's Slope Estimator



Constituent: Lithium Analysis Run 4/11/2025 2:47 PM View: Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

FIGURE J.

Appendix IV Trend Tests - Significant Results

Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Beryllium (mg/L)	**WGWC-24**	**-0.002748**	**-26**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-1 (bg)**	**-0.00006557**	**-220**	**-96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-2 (bg)**	**-0.00008878**	**-257**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-5 (bg)**	**-0.0002865**	**-116**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-18 (bg)**	**-0.0002783**	**-186**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWC-24**	**-0.02622**	**-27**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**WGWC-19**	**0.001603**	**144**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	**WGWC-21**	**0.01361**	**58**	**30**	**Yes**	**12**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - All Results

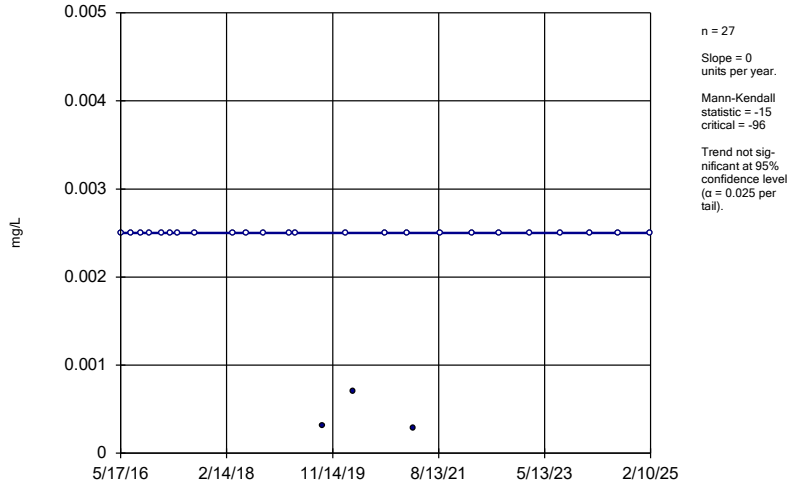
Plant Wansley Client: Southern Company Data: Wansley AP 1 Printed 4/11/2025, 2:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Beryllium (mg/L)	WGWA-1 (bg)	0	-15	-96	No	27	88.89	n/a	0.05	NP
Beryllium (mg/L)	WGWA-2 (bg)	0	-13	-96	No	27	88.89	n/a	0.05	NP
Beryllium (mg/L)	WGWA-3 (bg)	0	-15	-96	No	27	92.59	n/a	0.05	NP
Beryllium (mg/L)	WGWA-4 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Beryllium (mg/L)	WGWA-5 (bg)	0	-2	-85	No	25	96	n/a	0.05	NP
Beryllium (mg/L)	WGWA-6 (bg)	0	0	96	No	27	96.3	n/a	0.05	NP
Beryllium (mg/L)	WGWA-7 (bg)	0	-2	-96	No	27	96.3	n/a	0.05	NP
Beryllium (mg/L)	WGWA-18 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Beryllium (mg/L)	WGWC-20	0.0007813	12	23	No	10	0	n/a	0.05	NP
Beryllium (mg/L)	**WGWC-24**	**-0.002748**	**-26**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-1 (bg)**	**-0.00006557**	**-220**	**-96**	**Yes**	**27**	**3.704**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWA-2 (bg)**	**-0.00008878**	**-257**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	WGWA-3 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Cobalt (mg/L)	WGWA-4 (bg)	0	4	96	No	27	96.3	n/a	0.05	NP
Cobalt (mg/L)	**WGWA-5 (bg)**	**-0.0002865**	**-116**	**-76**	**Yes**	**23**	**4.348**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	WGWA-6 (bg)	0	12	96	No	27	85.19	n/a	0.05	NP
Cobalt (mg/L)	WGWA-7 (bg)	0	-28	-96	No	27	62.96	n/a	0.05	NP
Cobalt (mg/L)	**WGWA-18 (bg)**	**-0.0002783**	**-186**	**-96**	**Yes**	**27**	**7.407**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**WGWC-24**	**-0.02622**	**-27**	**-23**	**Yes**	**10**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	WGWA-1 (bg)	-0.0000132	-42	-90	No	26	34.62	n/a	0.05	NP
Lithium (mg/L)	WGWA-2 (bg)	0	-5	-90	No	26	0	n/a	0.05	NP
Lithium (mg/L)	WGWA-3 (bg)	0	25	90	No	26	88.46	n/a	0.05	NP
Lithium (mg/L)	WGWA-4 (bg)	-0.00001556	-12	-90	No	26	11.54	n/a	0.05	NP
Lithium (mg/L)	WGWA-5 (bg)	0	0	76	No	23	95.65	n/a	0.05	NP
Lithium (mg/L)	WGWA-6 (bg)	0	2	85	No	25	12	n/a	0.05	NP
Lithium (mg/L)	WGWA-7 (bg)	0	11	90	No	26	96.15	n/a	0.05	NP
Lithium (mg/L)	WGWA-18 (bg)	0	-18	-90	No	26	80.77	n/a	0.05	NP
Lithium (mg/L)	**WGWC-19**	**0.001603**	**144**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	WGWC-20	0.008513	30	30	No	12	0	n/a	0.05	NP
Lithium (mg/L)	**WGWC-21**	**0.01361**	**58**	**30**	**Yes**	**12**	**0**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	WGWC-28D	-0.00681	-1	-10	No	5	0	n/a	0.05	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = -15
critical = -96

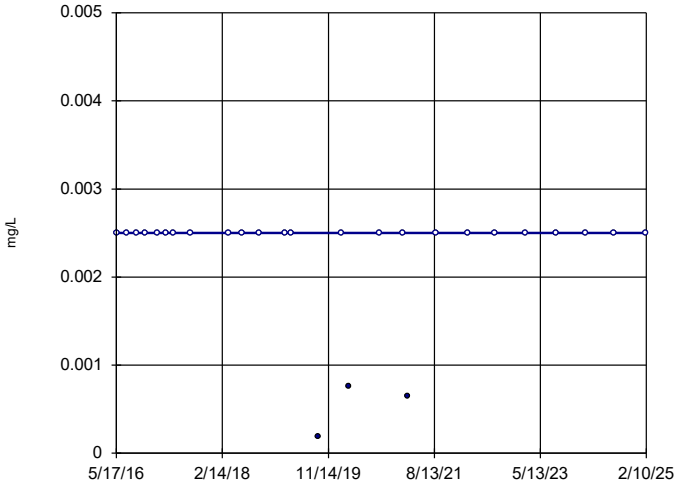
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:50 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-2 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = -13
critical = -96

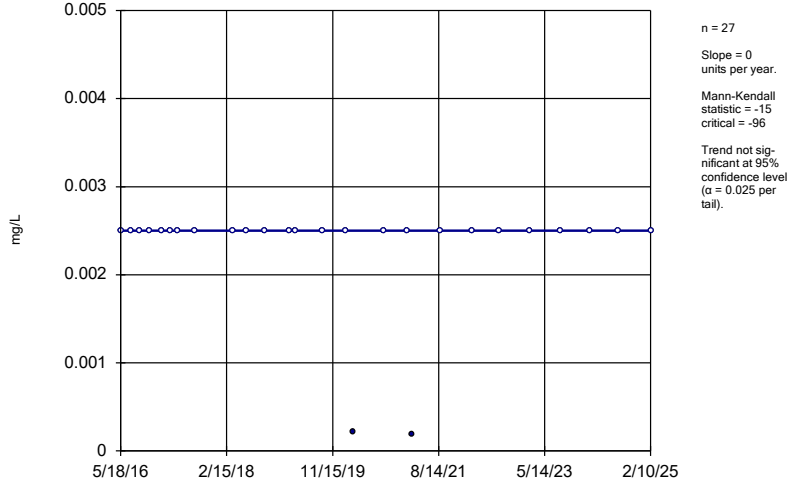
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:50 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-3 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = -15
critical = -96

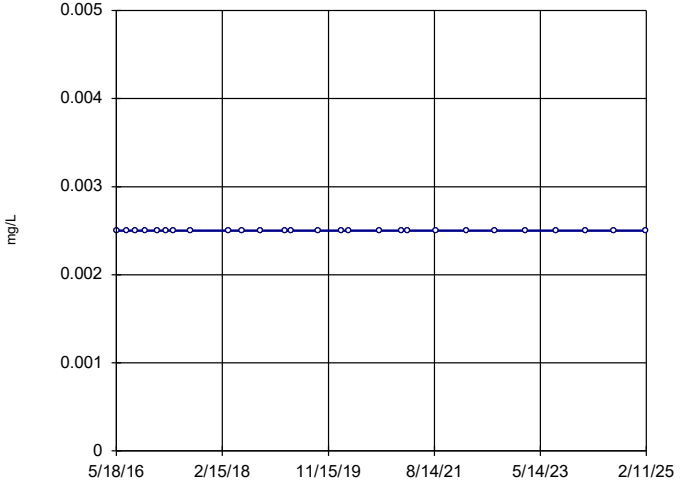
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:50 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-4 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 96

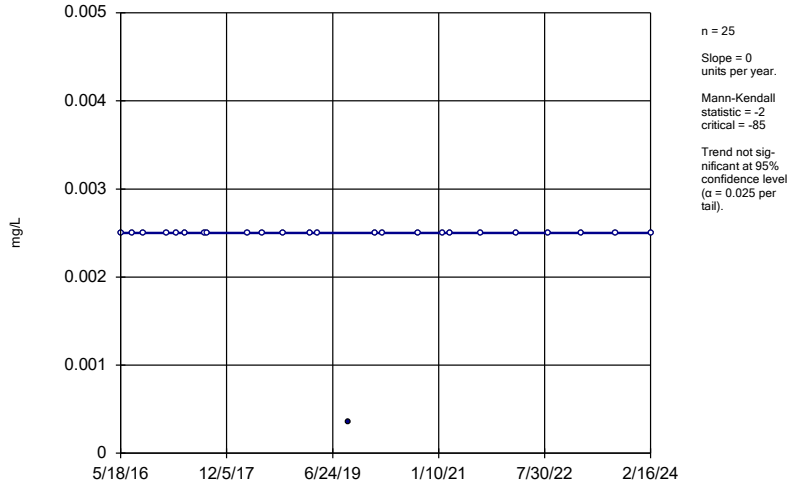
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:50 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-5 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -2 critical = -85

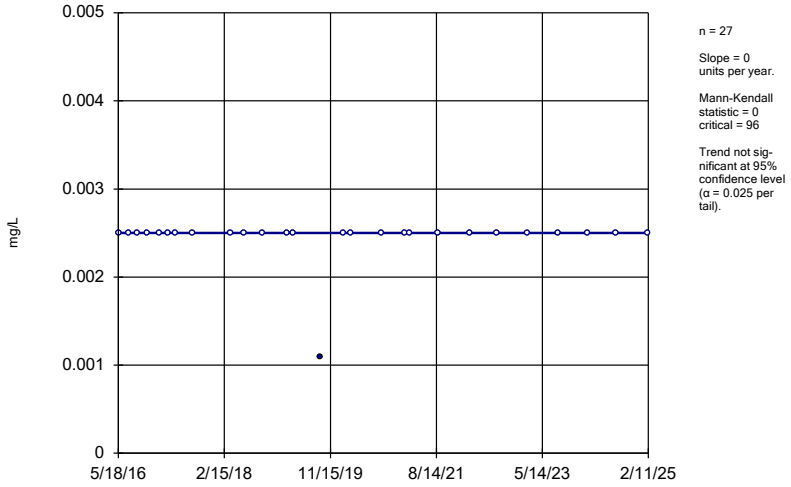
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:50 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-6 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 96

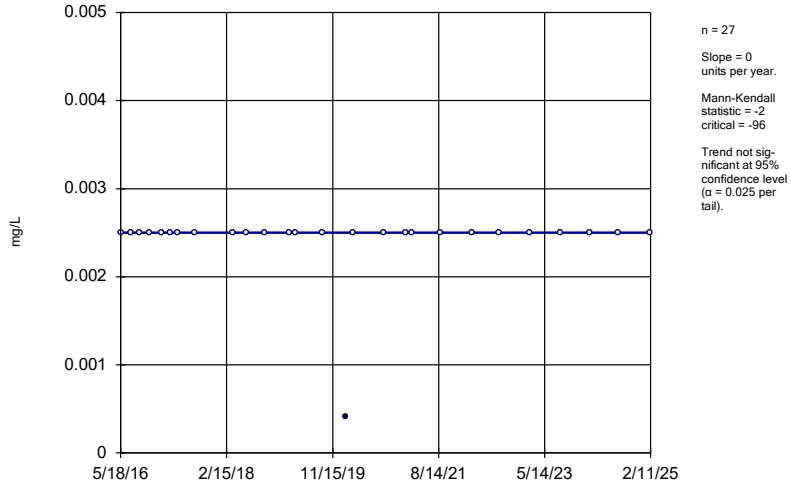
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:50 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-7 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -2 critical = -96

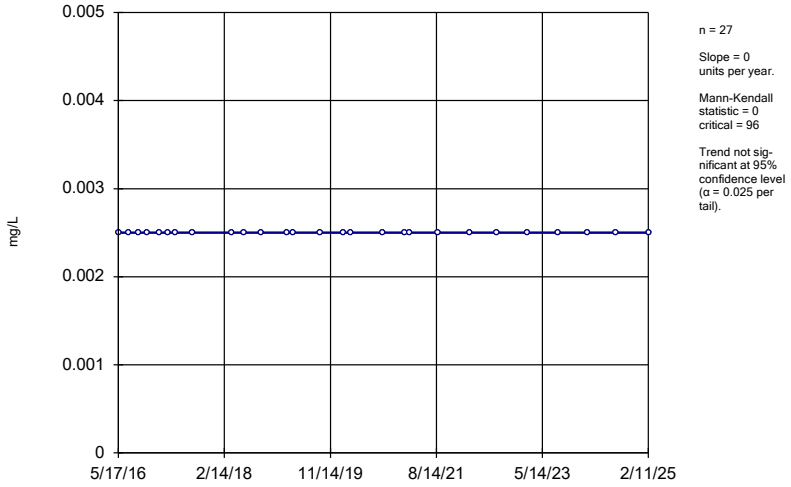
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:50 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-18 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 96

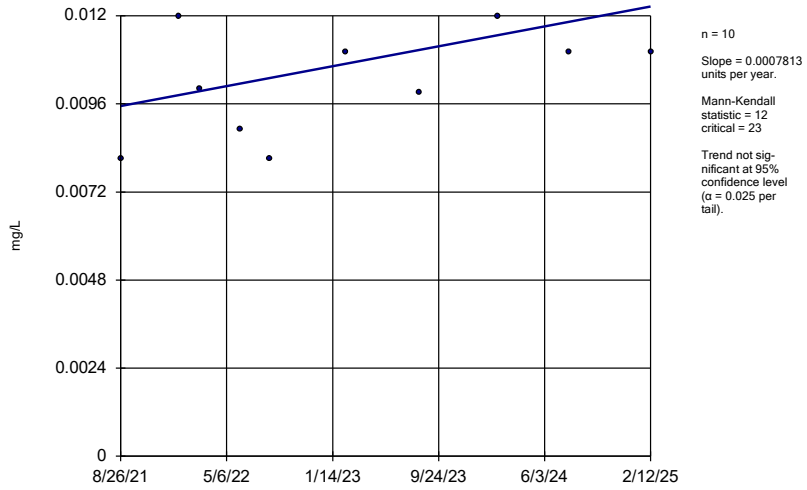
Trend not significant at 95% confidence level (α = 0.025 per tail).

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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWC-20



n = 10

Slope = 0.0007813 units per year.

Mann-Kendall statistic = 12
critical = 23

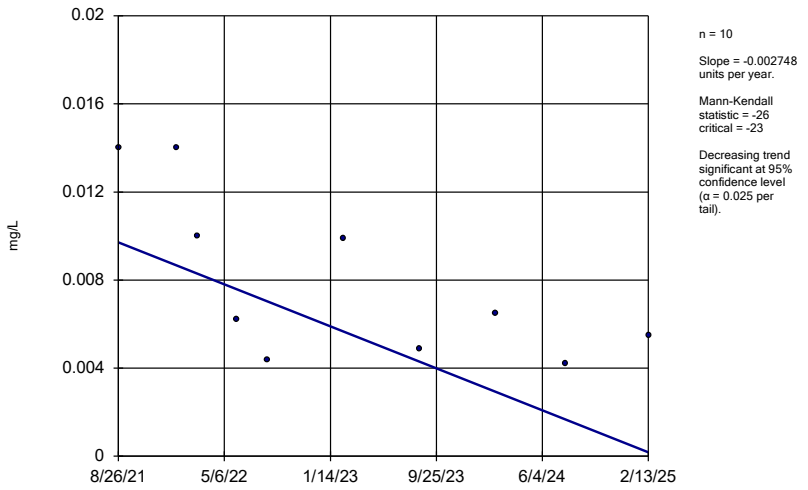
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWC-24



n = 10

Slope = -0.002748 units per year.

Mann-Kendall statistic = -26
critical = -23

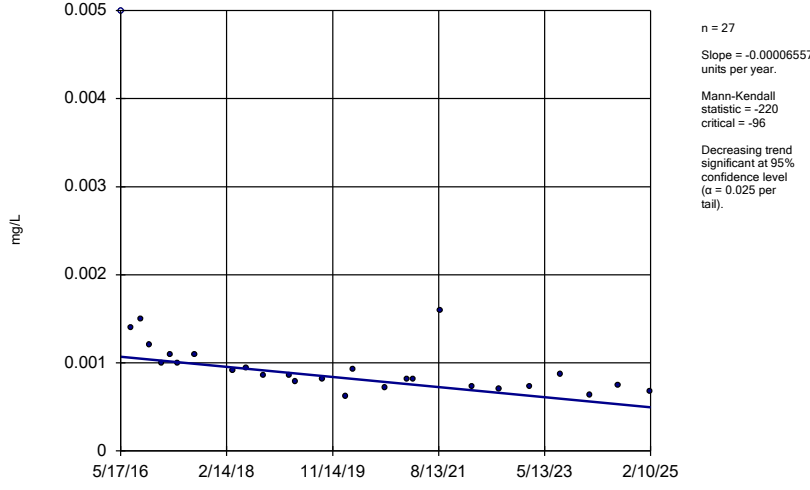
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)



n = 27

Slope = -0.00006557 units per year.

Mann-Kendall statistic = -220
critical = -96

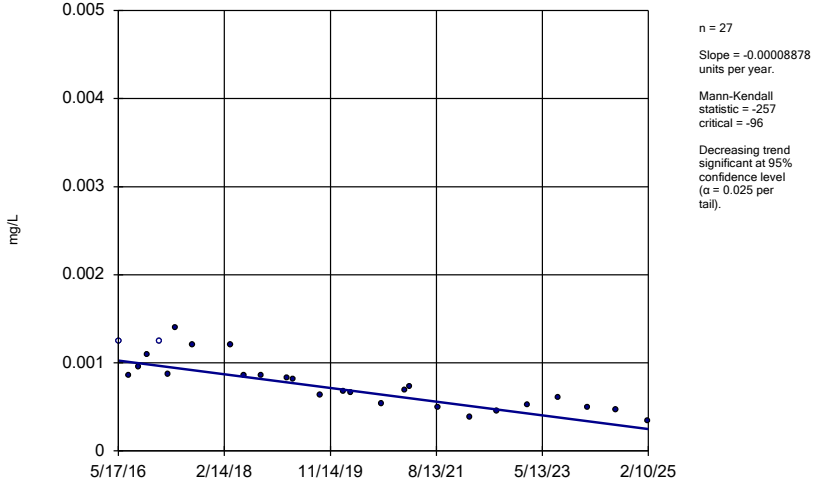
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-2 (bg)



n = 27

Slope = -0.00008878 units per year.

Mann-Kendall statistic = -257
critical = -96

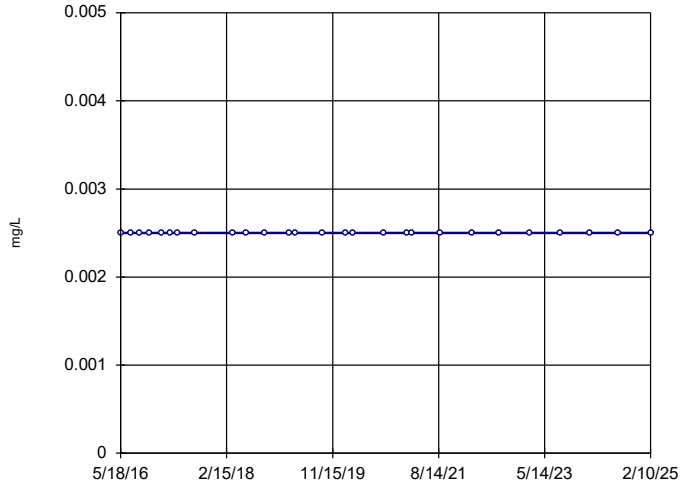
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-3 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 96

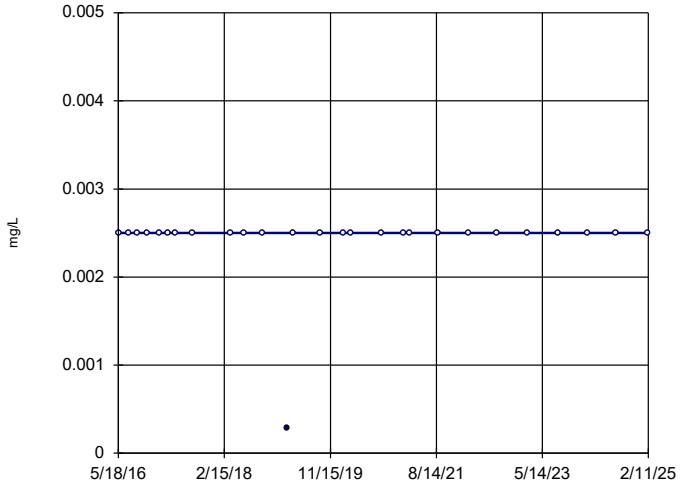
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-4 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = 4
critical = 96

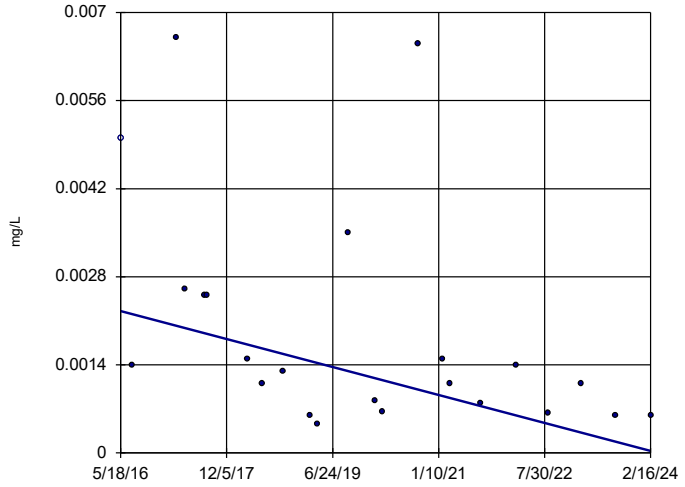
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-5 (bg)



n = 23

Slope = -0.0002865
units per year.

Mann-Kendall
statistic = -116
critical = -76

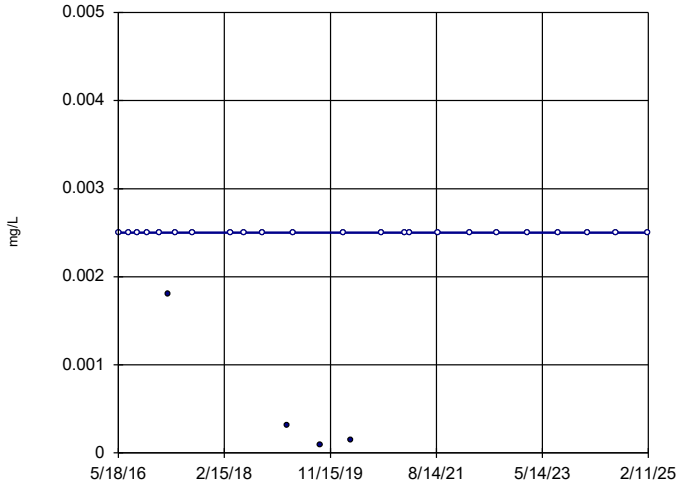
Decreasing trend
significant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-6 (bg)



n = 27

Slope = 0
units per year.

Mann-Kendall
statistic = 12
critical = 96

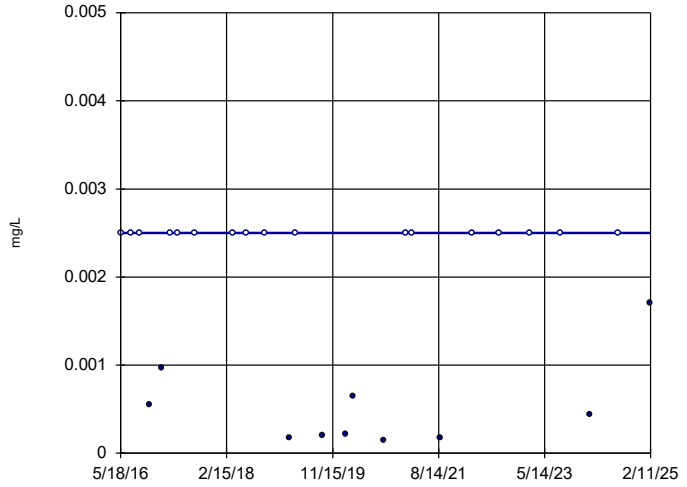
Trend not sig-
nificant at 95%
confidence level
(α = 0.025 per
tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-7 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -28
critical = -96

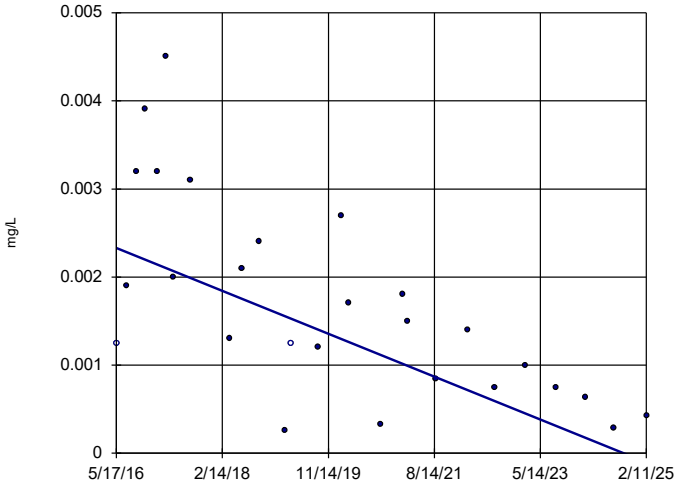
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

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Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-18 (bg)



n = 27

Slope = -0.0002783 units per year.

Mann-Kendall statistic = -186
critical = -96

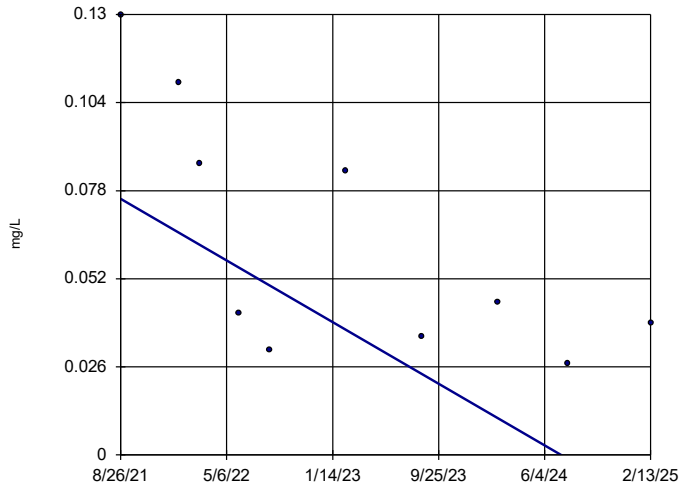
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWC-24



n = 10

Slope = -0.02622 units per year.

Mann-Kendall statistic = -27
critical = -23

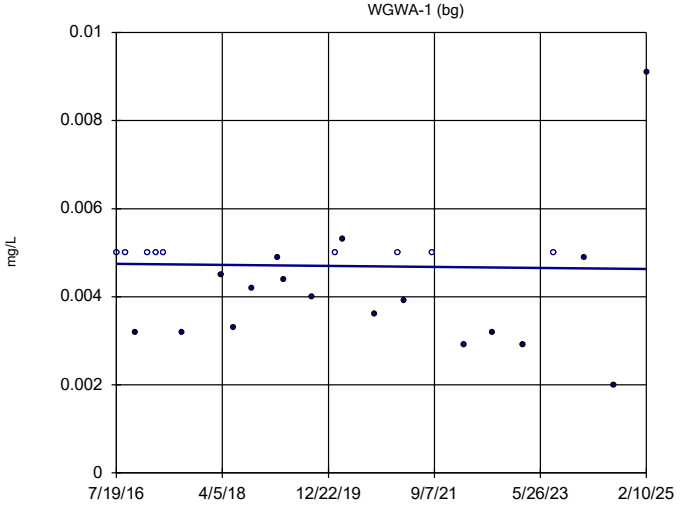
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-1 (bg)



n = 26

Slope = -0.0000132 units per year.

Mann-Kendall statistic = -42
critical = -90

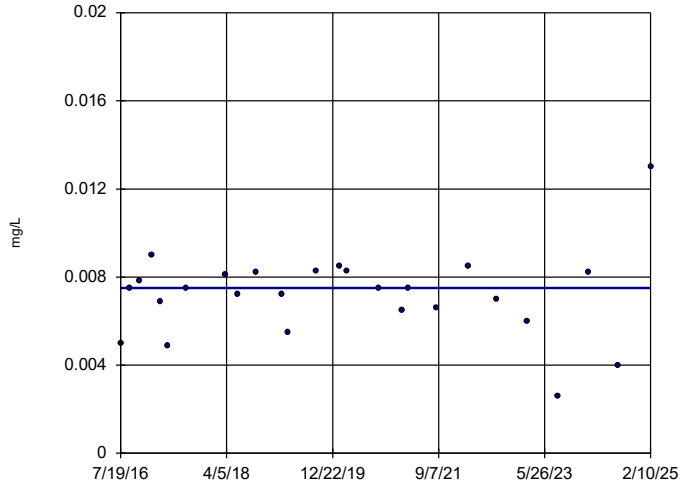
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWA-2 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -5 critical = -90

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

Constituent: Lithium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests

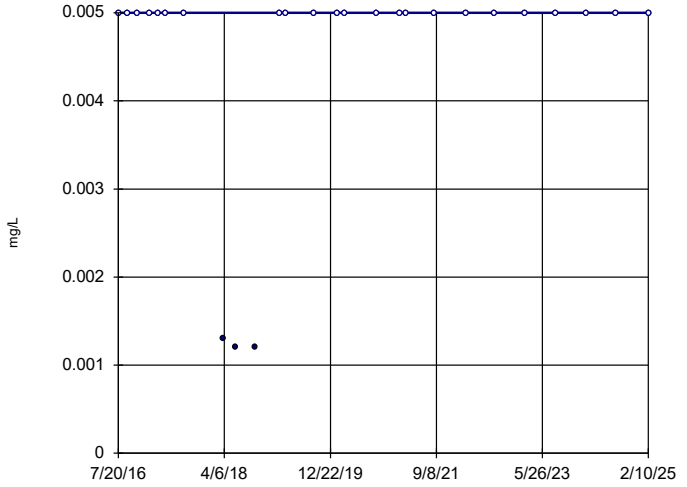
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-3 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 25 critical = 90

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

Constituent: Lithium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests

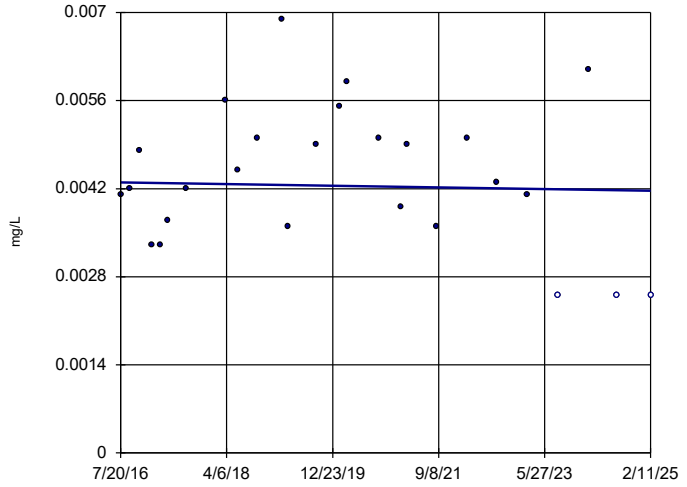
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-4 (bg)



n = 26

Slope = -0.00001556 units per year.

Mann-Kendall statistic = -12 critical = -90

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

Constituent: Lithium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests

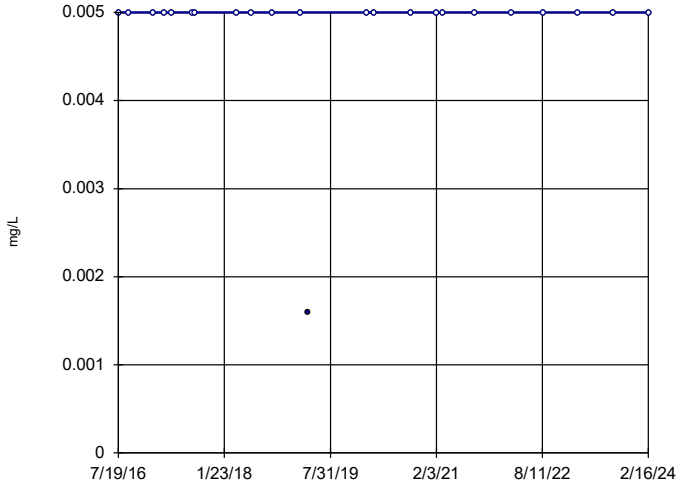
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-5 (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).

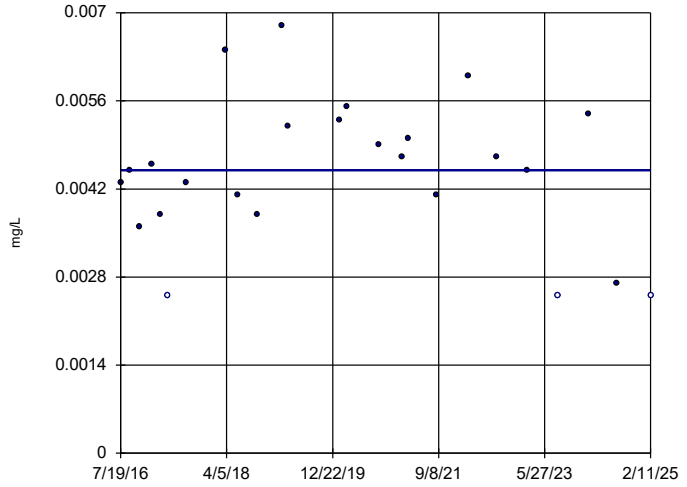
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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-6 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 85

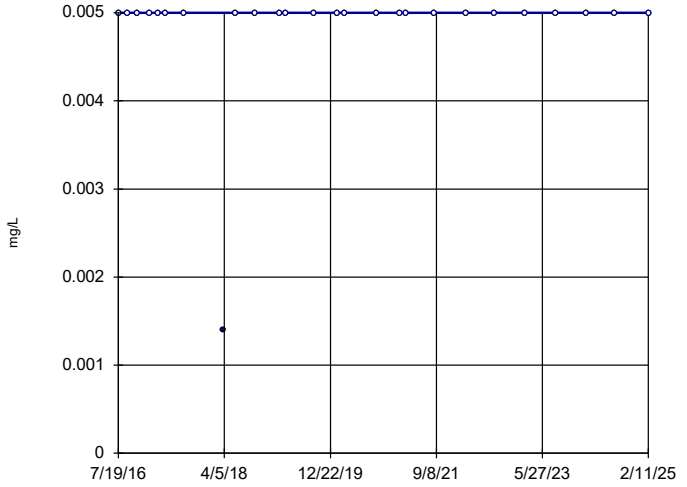
Trend not significant at 95% confidence level (α = 0.025 per tail).

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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-7 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 11 critical = 90

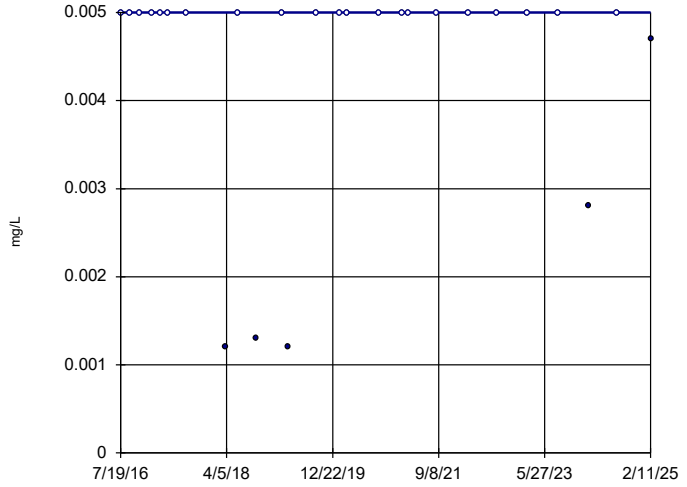
Trend not significant at 95% confidence level (α = 0.025 per tail).

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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

WGWA-18 (bg)



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -18 critical = -90

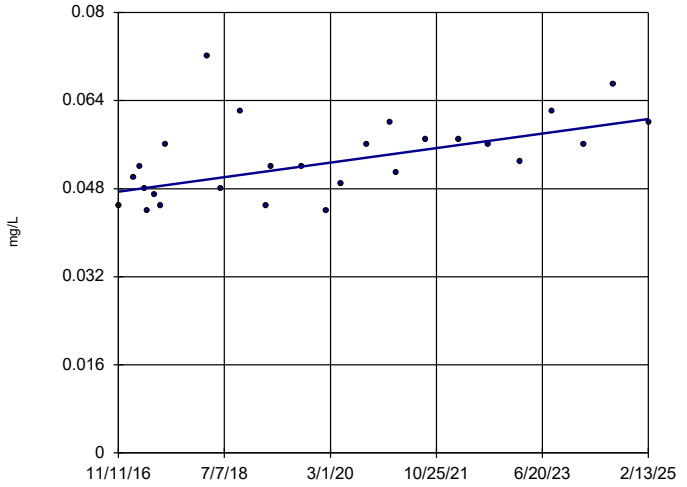
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWC-19



n = 27

Slope = 0.001603 units per year.

Mann-Kendall statistic = 144 critical = 96

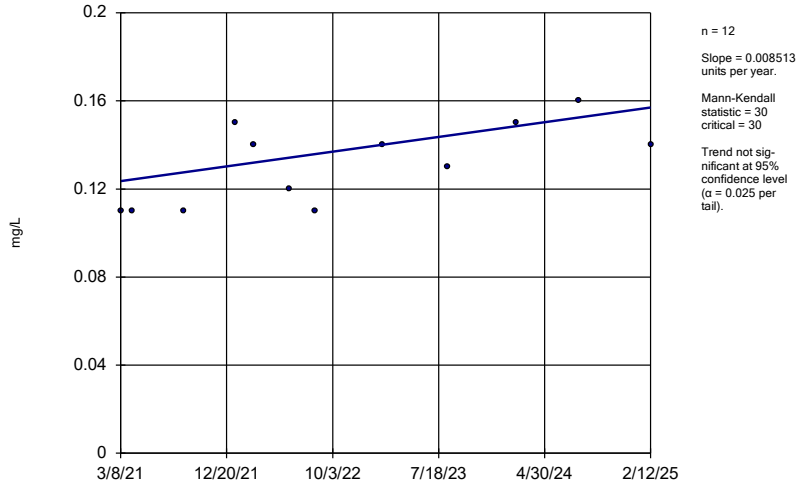
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Lithium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests
Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWC-20



n = 12

Slope = 0.008513 units per year.

Mann-Kendall statistic = 30 critical = 30

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

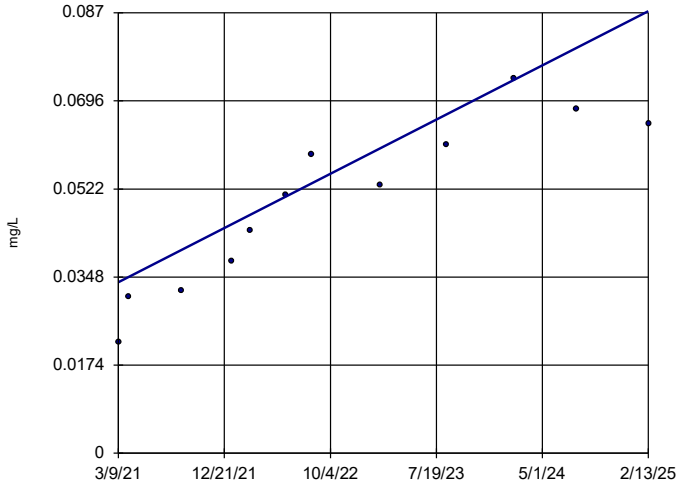
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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWC-21



n = 12

Slope = 0.01361 units per year.

Mann-Kendall statistic = 58 critical = 30

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

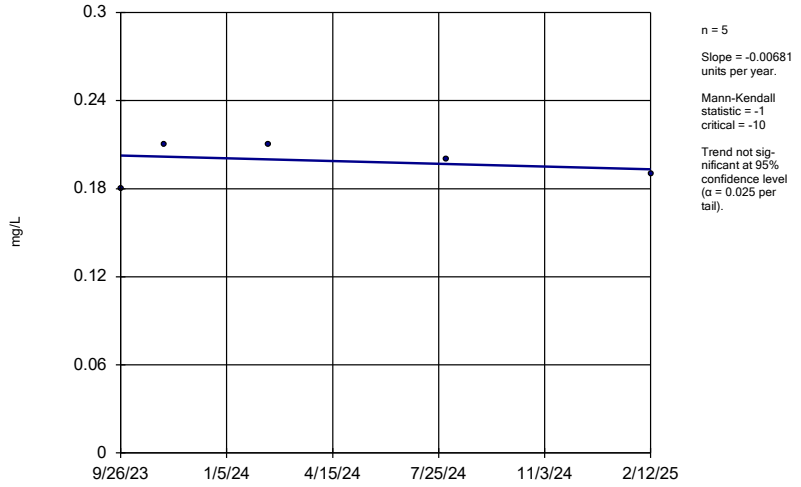
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Plant Wansley Client: Southern Company Data: Wansley AP 1

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

WGWC-28D



n = 5

Slope = -0.00681 units per year.

Mann-Kendall statistic = -1 critical = -10

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

Constituent: Lithium Analysis Run 4/11/2025 2:51 PM View: Appendix IV Trend Tests

Plant Wansley Client: Southern Company Data: Wansley AP 1

APPENDIX E

Semiannual Remedy Selection and Design Progress Report

Prepared for



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

SEMIANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

PLANT WANSLEY ASH POND 1 (AP-1)

Prepared by



engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW11293

August 2025

Geosyntec
consultants

CERTIFICATION STATEMENT

This *Semiannual Remedy Selection and Design Progress Report, Plant Wansley Ash Pond 1 (AP-1)* has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically § 257.97(a), the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10(6)(a) 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.

Report Prepared by:



Whitney B. Law.
Georgia Professional Engineer No. 36641

August 29, 2025
Date

Geosyntec consultants

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LIST OF ACRONYMS AND ABBREVIATIONS

ACC	Atlantic Coast Consulting, Inc.
ACM	Assessment of Corrective Measures
AP	ash pond
ASD	alternate source demonstration
CCR	coal combustion residuals
CFR	Code of Federal Regulations
CSM	conceptual site model
EDR	Environmental Data Resources
EMPA	Electron Microprobe Analysis
ft bgs	feet below ground surface
GA EPD	Georgia Environmental Protection Division
GCSM	geochemical conceptual site model
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GWPS	Groundwater Protection Standard
ISS	in-situ stabilization
K_d	distribution coefficient
LA-ICP-MS	Laser Ablation Inductively Coupled Plasma Mass Spectrometry
L/kg	liters per kilogram
M	molar
mg/L	milligrams per liter
mg/kg	milligrams per kilogram
mL	milliliter
MNA	monitored natural attenuation
ORP	oxidation-reduction potential
ppb	parts per billion
ppm	parts per million
PRB	permeable reactive barrier
QEMSCAN	Quantitative Evaluation of Materials by Scanning Electron Microscopy
redox	oxidation-reduction
SEP	sequential extraction procedure
SSI	statistically significant increase
SSL	statistically significant level
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey

XRD	X-ray diffraction

1.0 INTRODUCTION

1.1 Purpose

This *Semiannual Remedy Selection and Design Progress Report* (the semiannual progress report) was prepared by Geosyntec Consultants, Inc. (Geosyntec) for Georgia Power Company (Georgia Power) Plant Wansley Ash Pond 1 (AP-1 or Site) in accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically 40 CFR § 257.97(a), and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10(6)(a) (State CCR Rule). This semiannual progress report describes the progress made since the issuance of the prior semiannual progress report in January 2025 in selecting and designing a remedy. Potentially applicable groundwater corrective measures were previously described in the *Assessment of Corrective Measures Report – Plant Wansley Ash Pond 1 (AP-1)* (Geosyntec, 2023a) (ACM Report).

The purpose of the ACM Report (and subsequent semiannual progress reports) is to document the process of evaluating and selecting corrective measure(s) to improve groundwater quality at the Site. This process is typically iterative and may be composed of multiple steps to analyze the effectiveness of corrective measures. Once potential corrective measures are identified, they are further evaluated using the criteria outlined in § 257.96(c) and Rule 391-3-4-.10(6)(a). The selected corrective measure must meet the additional protection criteria outlined in § 257.97 and corresponding Rule 391-3-4-.10(6)(a). Pursuant to § 257.97(a) and Rule 391-3-4-.10(6)(a), semiannual progress reports have been regularly submitted to document the efforts of evaluating and progressing toward selecting a groundwater corrective measure (Geosyntec, 2024a, 2024b, and 2025).

1.2 Site Background and Overview of AP-1 Pond Closure

Plant Wansley (**Figure 1**) is a former electric generating facility owned and operated by Georgia Power. Constructed in the early 1970s, the Plant operated one 343-acre CCR pond identified as AP-1 for water treatment and disposal of CCR from electrical generation operations. AP-1 began receiving process water containing fly ash and bottom ash in 1976. In 2008, two temporary gypsum storage cells were constructed on top of the CCR delta in AP-1, adjacent to the Separator Dike (**Figure 2**).

As of April 2019, all process-related flows from the Plant to AP-1 have ceased. As part of the *2022 Integrated Resource Plan*, the Georgia Public Service Commission approved decommissioning of the Plant Wansley coal fired units on August 31, 2022. In this plan, Georgia Power has elected to close Plant Wansley AP-1 by removal of the CCR material in accordance with § 257.102 and corresponding State Rule 391-3-4-.10(7)(b). Removed CCR will be consolidated in the onsite existing landfill. The closure of AP-1 in this manner provides a source control measure that reduces the potential for migration of CCR constituents to groundwater.

1.3 Regulatory Program Status and Nature and Extent

Pursuant to the CCR Rule, CCR compliance groundwater monitoring-related activities have been performed for AP-1 since 2016. Georgia Power initiated an assessment monitoring program for groundwater at AP-1 in January 2018, after identifying statistically significant increases (SSI) of Appendix III constituents. Statistical analyses of the 2018 assessment monitoring data identified a statistically significant level (SSL) of lithium in detection monitoring wells WGWC-8, WGWC-9, WGWC-10, and WGWC-19 in excess of the associated federal and/or state groundwater protection standard (GWPS)[1]. Statistical analyses of groundwater data obtained since March 2021 have identified an SSL of lithium in WGWC-19 and SSLs of beryllium and lithium in WGWC-20, and statistical analyses of groundwater data since February 2023 have identified SSLs of beryllium and cobalt in WGWC-24. Statistical analyses of groundwater data identified new SSLs of lithium in WGWC-21 and WGWC-28D during this reporting period.

In accordance with § 257.95(g)(3), Georgia Power prepared an alternate source demonstration (ASD) for lithium (ACC, 2019b), which was included in the *2018 Annual Groundwater Monitoring and Corrective Action Report* (ACC, 2019a). The ASD presented evidence that the source of lithium in groundwater at wells WGWC-8, WGWC-9, WGWC-10, and WGWC-19 was naturally-derived from the subsurface rock formations and did not originate from the unit. An ASD Addendum was submitted to GA EPD in November 2020 (Geosyntec, 2020), with a revised ASD Addendum subsequently submitted to GA EPD in February 2021 (Geosyntec, 2021). The ASD Addendum presents supplemental data collected since submittal of the 2019 ASD, which provide additional lines of evidence to demonstrate that the SSLs of lithium identified at AP-1 are associated with naturally occurring lithium within rock formations at the Site. On September 26,

[1] On February 22, 2022, GA EPD adopted the federal GWPS for cobalt, lithium, lead, and molybdenum. The GWPS for cadmium is derived from the federally promulgated maximum contaminant level of 0.005 milligrams per liter.

2024, GA EPD issued a letter of nonconcurrence stating that they do not currently agree with the ASD, based on the information provided. Additional data collection and evaluation of lithium SSLs is ongoing to supplement the ASD or support ACM efforts, as appropriate.

Pursuant to § 257.96, an ACM program was initiated for AP-1 in October 2022. The ACM Report for AP-1 was submitted to GA EPD on March 24, 2023 (Geosyntec, 2023a). In accordance with § 257.96(b), groundwater continues to be monitored at AP-1 under the assessment monitoring program while the ACM phase is implemented.

Since the ACM was initiated, assessment monitoring wells have been installed and incorporated into the detection monitoring well network to delineate, both horizontally and vertically, the extent of the beryllium, cobalt, and lithium SSLs at AP-1. The monitoring well network is shown on **Figure 2**; **Table 1** provides well construction details. To enhance the groundwater monitoring network at the Site at the request of GA EPD, Georgia Power installed 13 monitoring wells between December 2024 and March 2025, including eight paired wells on the Separator Dike and five wells on the southern side of AP-1. Additionally, six existing piezometers were reclassified to detection monitoring wells and added to the monitoring network.

Statistical analysis of the February 2025 semiannual assessment monitoring groundwater data identified SSLs of the following Appendix IV constituents at concentrations exceeding the applicable GWPS at AP-1:

- Beryllium: WGWC-20 and WGWC-24
- Cobalt: WGWC-24
- Lithium: WGWC-19, WGWC-20, WGWC-21, and WGWC-28D

Details are provided in the *2025 Semiannual Groundwater Monitoring and Corrective Action Report* (2025 Semiannual Groundwater Report) to which this semiannual progress report is appended.

The groundwater data collected in February 2025 was used to generate the beryllium, cobalt, and lithium iso-concentration maps presented on **Figures 3** through **5**, respectively. Based on the groundwater data reported in the 2025 Semiannual Groundwater Report, the current horizontal and vertical delineation status of identified beryllium, cobalt, and lithium SSLs is as follows:

- WGWC-20 – beryllium and lithium are horizontally delineated downgradient by WGWC-27. Beryllium is vertically delineated by WGWC-28D, and vertical delineation of lithium is ongoing.

- WGWC-24 – beryllium and cobalt are vertically delineated by PZ-26D to below the established GWPS. Both are also horizontally delineated by the inward groundwater flow direction and by PZ-31 groundwater concentration data. Additionally, there are significant decreasing trends of beryllium and cobalt in WGWC-24 based on statistical analysis of the latest groundwater data.

- WGWC-19 – lithium is horizontally and vertically delineated by WAMW-2 and WAMW-1, respectively, following GA EPD nonconcurrence with the submitted ASD.

- WGWC-21 – lithium is horizontally delineated based on the inward groundwater flow direction in this area toward AP-1. Vertical delineation of lithium is currently under evaluation. However, lithium concentrations below the GWPS at WAMW-1, which is screened deeper than WGWC-21, suggest that the vertical extent of the lithium SSL at WGWC-21 is shallower than the WAMW-1 screen interval. It also appears to be isolated to the west of WAMW-1 and localized at WGWC-21, as further supported by the inward groundwater flow at this location.

- WGWC-28D – horizontal and vertical delineation of lithium are ongoing.

In accordance with GA EPD guidance, data for monitoring wells with SSLs were further evaluated by Groundwater Stats Consulting using the Sen's Slope/Mann Kendall trend test (**Figures 6a** and **6b**). The full statistical evaluation is included as an appendix to the 2025 Semiannual Groundwater Report.

- No statistically significant trends (at 95% confidence) were identified for beryllium or lithium in WGWC-20 during the current reporting period.

- Statistically significant decreasing trends (at 95% confidence) were identified for beryllium and cobalt in WGWC-24 during the current reporting period.

- Statistically significant increasing trends (at 95% confidence) were identified for lithium in WGWC-19 and WGWC-21 during the current reporting period.

In addition to the assessment monitoring program at the Site, Georgia Power conducted a human health and ecological risk evaluation to evaluate beryllium and lithium that are present at SSLs at WGWC-20. The evaluation provides one of many lines of evidence that will be evaluated and factored into the remedy selection process, which will be completed in accordance with § 257.97. Based on this risk evaluation, concentrations of beryllium and lithium detected in groundwater and surface water at AP-1 between November 2016 and October 2022 are not expected to pose a risk to human health or the environment (Geosyntec, 2023b). Data collected since October 2022 are generally consistent with data used in the risk evaluation; therefore, the conclusions provided in the *2023 Risk Evaluation Report* (Geosyntec, 2023b) are supported by current conditions. The risk evaluation will be updated by Georgia Power to include evaluation of beryllium and cobalt in WGWC-24 as part of the Remedy Selection Report.

Georgia Power will continue to adaptively manage the Site and use ongoing data collection to evaluate the need for additional wells at AP-1. Pursuant to § 257.96, groundwater in the vicinity of AP-1 continues to be monitored during the ACM phase in accordance with the established assessment monitoring program.

1.4 Corrective Measures Evaluated

As discussed in the ACM Report, the following corrective measures were initially considered to be potentially feasible for use at AP-1.

1. Geochemical Approaches (In-Situ Injection)
2. Hydraulic Containment (Pump and Treat)
3. In-Situ Solidification/Stabilization (ISS)
4. Monitored Natural Attenuation (MNA)
5. Permeable Reactive Barrier (PRB)
6. Phytoremediation
7. Subsurface Vertical Barrier Walls

A comparative screening of the corrective measures is provided in **Table 2,** with the exception of ISS. ISS, also known as deep soil mixing, is a method for solidifying soil, immobilizing constituents of interest in the solid matrix. ISS technology was not retained as it is less effective or not applicable to dilute concentrations of lithium and beryllium in groundwater beyond the unit boundary as compared to the other options being evaluated. As such, no detailed evaluation on ISS is provided in **Table 2**.

PRB, phytoremediation, and subsurface vertical barrier wall corrective measures have since been removed from consideration based on retainage evaluations applicable to WGWC-20 and WGWC-24 presented in the August 2024 semiannual progress report (Geosyntec, 2024b) and the discussion provided in **Table 2**.

Georgia Power proactively initiated adaptive site management as outlined in the ACM Report (Geosyntec, 2023a) to support the groundwater remedy selection process and address potential changes in site conditions (e.g., successful reduction of constituent concentrations or changing trends) as appropriate during ash pond closure. The adaptive site management approach will take existing site conditions, including natural attenuation mechanisms, into account.

Characterization activities to evaluate attenuation mechanisms at the Site include collection of data necessary to progressively evaluate the existing and long-term effectiveness of these processes in the aquifer and reduce uncertainty for decision making at each screening step as listed in the USEPA guidelines for MNA of inorganic constituents (USEPA, 1999, 2007, and 2015). The 1999 MNA guidance originally introduced a "tiered approach" with three tiers of site-specific information, or lines of evidence, to evaluate the appropriate use of MNA at certain sites (USEPA, 1999). In 2007, the USEPA issued MNA technical guidance specific to inorganic contaminants (USEPA, 2007) that contained four "tiers." The 2015 MNA guidance retains these four "tiers," but describes them as "phases" as described below (USEPA, 2015). This 2015 MNA document for inorganic contaminants expands on and is designed to be a companion to the 1999 and 2007 MNA guidance. The phases are briefly outlined below:

- Phase I: Demonstration that the groundwater plume is *not expanding*.
- Phase II: Determination that the *mechanism and rate* of the attenuation process are sufficient.
- Phase III: Determination that the *capacity* of the aquifer is sufficient to attenuate the mass of contaminant within the plume and the *stability* of the immobilized contaminant is sufficient to resist re-mobilization.
- Phase IV: Design of a *performance monitoring program* based on an understanding of the mechanism of the attenuation process, and establishment of contingency remedies tailored to site-specific characteristics.

Georgia Power will address Phase IV, as appropriate, during the development of the future corrective action monitoring plan, after the final remedy selection report.

The data collection approach and the data interpretation presented within this semiannual progress report are informed by this tiered MNA guidance. It is noted, however, that the characterization data collected under this approach are also used to refine the conceptual site model (CSM) and evaluate other retained potential corrective measures, namely, in-situ injection and hydraulic containment.

2.0 SUMMARY OF WORK COMPLETED

The following section summarizes the field investigations and data evaluations completed in support of the ACM program since the issuance of the prior semiannual progress report in January 2025 (Geosyntec, 2025). The routine monitoring events associated with the assessment monitoring program are discussed in the 2025 Semiannual Groundwater Report, to which this semiannual progress report is appended.

2.1 Field Activities

Additional field investigation activities since the issuance of the prior semiannual progress report include groundwater sampling and soil boring installation. These activities are detailed below.

2.1.1 Well and Piezometer Installation and Sampling

No well or piezometer installation activities were performed in specific support of the ACM program for AP-1 during this semiannual reporting period. As noted in Section 1.3, the detection and assessment monitoring well networks were expanded with 19 new or reclassified wells during this reporting period. Supplemental groundwater samples were collected from piezometers PZ-31 for Appendix III, Appendix IV, and select geochemical parameters in February 2025. PZ-31 was sampled to provide additional data on beryllium and cobalt delineation and groundwater flow characteristics in the vicinity of WGWC-24. In April 2025, groundwater samples were collected from PZ-32D and PZ-33D and in June 2025 samples were collected from PZ-23D for Appendix III parameters, lithium, and select geochemical parameters. These piezometers were sampled to provide additional information related to the evaluation of lithium proximal to WGWC-20 and WGWC-21.

2.1.2 Soil Boring Installation

On December 4, 2024, soil boring SB-24 was installed for the collection of soil samples in the vicinity of detection well WGWC-24 exhibiting SSLs of beryllium and cobalt. Soil samples were collected from SB-24 at three intervals corresponding to the elevation range of the screen interval for WGWC-24. These aquifer solids were collected for characterization purposes and to evaluate the sorption capacity for SSL constituents beryllium and cobalt.

2.2 Data Analysis Activities

In addition to the field activities discussed above, this section describes further data analysis including aquifer solids characterization and groundwater geochemical characterization. Characterization activities were conducted on aquifer solids collected from SB-24, as well as on aquifer solids previously collected during the installation of monitoring wells WAMW-1, WGWC-20, and WGWC-21 and nested piezometers PZ-32D and PZ-33D. The sample from WAMW-1 was collected at a depth selected to represent the same depth interval as the screen interval of the adjacent well WGWC-19. Samples from WGWC-20 and WGWC-21 were collected directly from their respective well screen intervals for analysis.

2.2.1 Soil Characterization

Total metals were reported for aquifer solids from soil boring SB-24 and from boreholes completed during the installation of monitoring wells WAMW-1 and WGWC-21. Whole rock analyses were also reported for these three samples as well as one additional aquifer solids sample from WGWC-20. Whole rock analysis is an analytical method for lithogeochemical classification of samples providing elemental analysis of sample mineralogy that can be used to help inform X-ray diffraction (XRD). XRD results were reported for the same four samples that were analyzed for whole rock analysis. XRD analysis is used to identify mineralogy present in solid samples.

In addition, aquifer solids from SB-24, WAMW-1, and WGWC-21 were analyzed by Quantitative Evaluation of Materials by Scanning Electron Microscopy (QEMSCAN), a high-resolution mineralogical analysis to supplement XRD, and sequential extraction procedure (SEP) to assess the geochemical fractionation of trace elements within the aquifer solids. SEP is chemical extractions used to remove metals from specific solid-associated phases. SEP uses progressively stronger reagents to solubilize metals from increasingly recalcitrant phases. SGS Environmental Services in Lakefield, Ontario uses a 6-step extraction procedure for SEP as described below.

- Step 1 (Water Soluble Phase): This extraction includes trace elements that are water soluble. Therefore, deionized water is utilized for this extraction step as the trace elements will solubilize into the solution.

- Step 2 (Exchangeable Phase): This extraction includes trace elements that are reversibly sorbed to soil minerals, amorphous solids, and/or organic material by electrostatic forces. These forces may be overcome by exposing the soil to a

concentrated electrolyte solution, such as 1 molar (M) magnesium sulfate that displaces the trace elements from solid surfaces.

- Step 3 (Carbonate Phase): This extraction targets trace elements that are sorbed or otherwise bound to carbonate minerals. This phase is soluble in a mild acid solution (e.g., 1M sodium acetate solution in 25% acetic acid at pH 4.5 – 5 or acetic acid (buffered to pH 3–3.5 or 5) and the complexing agent disodium ethylenediaminetetraacetic acid at pH 4.6).

- Step 4 (Metal Oxide Phase or reducible fraction): Trace elements bound to crystalline hydroxides of iron or manganese are extracted by establishment of reducing conditions. This can be achieved using a solution of 1M hydroxylamine hydrochloride in acetic acid, a sodium citrate/sodium dithionite buffer, or an ascorbic acid/ammonium oxalate mixture. This phase often provides significant attenuation capacity.

- Step 5 (Organic Phase or oxidizable fraction): This extraction targets trace elements strongly bound via chemisorption to organic material. Oxidation of soil organic matter (e.g., hydrogen peroxide [H_2O_2] in an acidic medium, sodium hypochlorite at pH 9.5, tetrasodium pyrophosphate at pH 9.5, or a hydrogen peroxide/ammonium acetate mixture), will bring into solution metals bound to organic functional groups.

- Step 6 (Residual Fraction): Trace elements remaining in the soil after the previous extractions will be distributed between silicates, phosphates, and refractory oxides. These residual metals can be removed from the soil through total dissolution with concentrated acid (e.g., hydrofluoric acid, nitric acid, hydrochloric acid, and boric acid). These are mostly stable, and naturally occurring fractions, which are not easily leached nor provides notable attenuating capacity for trace elements in groundwater.

Finally, to investigate lithium distribution in different mineral fractions, Electron Microprobe Analysis (EMPA) and Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) analysis were performed on a rock core sample retrieved from 279 to 289 feet below ground surface (ft bgs) in the borehole installed for nested piezometers PZ-32D and PZ-33D, where the highest lithium concentration (120 milligrams per kilogram [mg/kg]) was observed. EMPA identifies the elements within a small area of a sample by detecting the unique X-rays trace elements emit when hit by an

electron beam. LA-ICP-MS measures trace elements by using a laser to aerosolize a small amount of material, which is then analyzed by a plasma mass spectrometer. This particular sample was selected in an effort to increase the likelihood that the analytical results would be above the detection limits of these analyses.

The laboratory results for these analyses are included in **Appendix A**.

2.2.2 Groundwater Analytical Analysis

The analytical groundwater data reported for the assessment monitoring event conducted in February 2025 along with supplemental data collected from PZ-31 in February 2025, PZ-32D and PZ-33D in April 2025, and PZ-23D in June 2025 were evaluated in support of characterizing the nature and extent of beryllium, cobalt, and lithium impacts downgradient of AP-1.

The laboratory results for PZ-31, PZ-32D, PZ-33D, and PZ-23D analyses are provided in **Appendix A**.

2.3 Sorption and Desorption Batch Studies

Aquifer solids and groundwater samples were sent to SiREM for laboratory treatability studies to assess the sorption and desorption behavior of cobalt and beryllium. Sorption tests used soil and groundwater collected near areas where GWPS were exceeded, specifically around well WGWC-24. These tests were performed to assess how readily cobalt and beryllium in groundwater are attenuated via interactions with aquifer solids. Desorption tests were conducted to evaluate how stable these attenuation mechanisms are, using aquifer solids from the same area and unimpacted groundwater from a background location (WGWA-18). The results of these tests are used to calculate a site-specific distribution coefficient (K_d), which helps quantify how contaminants partition between soil and groundwater. K_d values can be used to estimate the aquifer's attenuation capacity and are also used in fate and transport models to predict future groundwater concentrations and evaluate potential corrective actions at the Site.

2.3.1 Sorption Studies

For the sorption studies, two parallel experimental setups were constructed. In the first setup, the pH of the reactors was not adjusted and ranged between 6.0 and 7.0. Adsorption under these conditions may represent the attenuation capacity in areas of the site with circumneutral pH levels or post-closure condition when pH conditions are expected to

shift more toward circumneutral pH values similar to upgradient groundwater. In the second setup, the pH was adjusted with 1M hydrochloric acid to between 5.0 and 5.5 to simulate conditions near well WGWC-24, allowing for evaluation of attenuation capacity in that specific area under current conditions. Reactors were constructed in duplicate and incubated for seven days under ambient (i.e., aerobic) conditions consistent with conditions in the aquifer downgradient of AP-1. All reactors (except controls) were set up using 150 milliliters (mL) of groundwater and 15 grams (wet weight) of soil. Groundwater from WGWC-24 was spiked with cobalt at five concentration levels: 0.007, 0.020, 0.030, 0.050, and 0.080 milligrams per liter (mg/L), and with beryllium at five concentration levels: 0.040, 0.080, 0.12, 0.240 and 0.480 mg/L. The highest concentration level for each constituent was at least twice the concentration observed in downgradient wells. Due to the strong attenuation of beryllium at circumneutral pH levels, where all spiked concentrations were fully adsorbed to the aquifer solids, two additional reactors were constructed, with beryllium spiked at 0.75 and 1.0 mg/L (i.e., more than 100 times the baseline groundwater concentration for beryllium at WGWC-24).

Samples were collected from the reactors at the beginning (i.e., Day 0) and at the end of the study (Day 7). The samples were analyzed for dissolved cobalt and beryllium, pH, and oxidation-reduction potential (ORP). The concentrations of cobalt and beryllium attenuated by the aquifer solids were calculated based on the difference in aqueous phase concentrations between control spike systems (groundwater only) and the systems containing both groundwater and aquifer solids at Day 7. Calculations also accounted for the mass of aquifer solids and the volume of groundwater in each reactor. A detailed description of the methods and materials used to complete the sorption study is included in the SiREM report provided in **Appendix B**.

Based on the laboratory results, the concentrations of attenuated constituents (in mg/kg) and dissolved constituents remaining in the aqueous phase (in mg/L) were plotted for each spiked concentration level. These graphs represent sorption isotherms and can be used to calculate site-specific K_d values for the two pH ranges tested. Linear regression lines were fit to the data using the method of least squares in Microsoft Excel, with the slopes of each line representing the K_d value for each respective constituent (USEPA, 2008).

2.3.2 Desorption Studies

Two parallel experimental setups were also constructed to evaluate the desorption behavior of cobalt and beryllium. In the first setup, aquifer solids collected from boring

SB-24 near WGWC-24 were incubated with unimpacted groundwater from background well WGWA-18 to assess the stability of aged sorbed cobalt and beryllium. The SB-24 soils contained 1.4 mg/kg of cobalt and 0.56 mg/kg of beryllium, while cobalt and beryllium were not detected in groundwater from WGWA-18. To evaluate the influence of pH on desorption, two pH conditions were tested: one set was adjusted with 1M hydrochloric acid to between 5.0 and 5.5, and the other was left unadjusted, with pH ranging from 6.0 to 7.0. All batch reactors were constructed in duplicate with a 1:10 soil to groundwater ratio and incubated for seven days under ambient (i.e., aerobic) conditions.

Desorption tests were also performed using aquifer solids recovered at the conclusion of the sorption experiments (Day 7), combined with groundwater from background well WGWA-18. This setup was designed to further confirm the K_d values calculated for the freshly sorbed fractions. As previously noted, additional details regarding the methods and materials are provided in the SiREM report included in **Appendix B**.

3.0 SUMMARY OF RESULTS

This section presents the results of the field and data analysis efforts outlined in Section 2.2.

3.1 Summary of Data Analysis Activities

3.1.1 Soil Characterization

Total metals were completed on solids collected from WAMW-1[2], WGWC-21, and SB-24 for inorganic characterization of the solid phase downgradient of AP-1. The results of the total metals analysis are summarized in **Table 3.** Lithium was detected at elevated concentration of approximately 40 mg/kg in WAMW-1 (near WGWC-19) and WGWC-21. Elevated iron and manganese concentrations measured at 37,000 and 660 mg/kg, respectively, were also observed at WAMW-1, suggesting the potential abundance of iron and manganese oxides. Cobalt and beryllium in SB-24 were detected at relatively low concentrations at 1 and 1.5 mg/kg, respectively.

Further characterization of the aquifer matrix was accomplished by whole rock analysis, XRD, and QEMSCAN. Results for these analyses are presented in **Tables 4** through **6**. Generally, the aquifer is characterized by quartz and albite (a plagioclase feldspar) as the dominant mineral fractions with somewhat lesser fractions and of microcline (a potassium feldspar), muscovite (mica), and chlorite. Results among the various samples indicate varying elemental concentrations at different depths and locations.

Additionally, aquifer solids were evaluated for the fractionation of beryllium and cobalt at SB-24 and lithium at WAMW-1 and WGWC-21 using a 6-step SEP analysis method. The results are summarized in **Table 7**. The sums of steps 1 through 6 in **Table 7** are consistent in order of magnitude with the total concentrations reported in **Table 3**, which suggests that the SEP analysis results are acceptable for data evaluation. In SB-24, the majority of the solid-phase beryllium and cobalt concentrations were associated with the residual phase (about 68% and 48%, respectively) and the iron/manganese (Fe/Mn) oxides phase (about 24% and 21%, respectively), followed by carbonates phase (about 4% and 16%, respectively). In WAMW-1 and WGWC-21, the majority of the solid-phase lithium concentrations were associated with the residual phase (about 67% and 64%,

[2] Sample ID listed on the Chain of Custody and in the lab reports for solids characterization did not correspond to the well ID from which the sample was collected. The ID has been corrected from WAWM-1 to WAMW-1 to accurately reflect the sample's origin.

respectively) and the iron/manganese (Fe/Mn) oxides phase (about 15% and 18%, respectively), followed by the organics phase (about 9% and 8%, respectively), the carbonates phase (about 7% and 5%, respectively), the exchangeable metals phase (about 2% for both), and the water soluble phase (about 2% and 4%, respectively). Several of the SEP phases are considered readily available for leaching, including the water soluble phase and the exchangeable metals phase. Metals in the carbonates phase are bound to carbonate minerals and can be released under acidic conditions. Metals in the iron/manganese oxides phase can either desorb from surface sites, be replaced by other exchangeable cations, or be released from the crystal structure through mineral weathering. Metals complexed with organic matter may become available through microbial degradation or changes in redox conditions. As a result, up to 35% and 37% of lithium are considered environmentally available in the WAMW-1 and WGWC-21 samples, respectively. Similarly, SEP results for SB-24 indicate that as much as 32% of beryllium and 50% of cobalt are present in environmentally accessible forms.

Finally, aquifer solids from the borehole for piezometers PZ-32D and PZ-33D were analyzed by EMPA and LA-ICP-MS to investigate lithium distribution in different mineral phases. The EMPA and LA-ICP-MS results are presented in **Table 8**. Lithium concentrations ranged from 155 to 736 parts per million (ppm) among the various minerals, with elevated levels observed in biotite, mixed biotite, and chlorite.

3.1.2 Groundwater Geochemical Analysis

A summary of the groundwater analytical results is provided in **Table 9**. These results indicate attenuation of beryllium in the vicinity of WGWC-20 and WGWC-24, both vertically and laterally, as delineation is complete. Also, attenuation of cobalt in the vicinity of WGWC-24 is likely, based on the observed decreasing concentration trend and cobalt concentrations below the GWPS in PZ-26D and PZ-31 during this reporting period. Horizontal delineation of lithium in the vicinity of WGWC-20 was achieved by downgradient well WGWC-27. The vertical delineation of lithium at WGWC-20 is ongoing. Following GA EPD nonconcurrence with the submitted ASD, the vertical and horizontal delineation of lithium at WGWC-19 has been completed by WAMW-1 and WAMW-2, respectively, with measured lithium all below the GWPS in the three historical sampling events in October 2018, December 2024/January 2025, and February 2025. Additionally, the new SSL of lithium in WGWC-21 is likely horizontally delineated based on the inward groundwater flow direction toward AP-1. Vertical delineation is currently under evaluation. However, lithium concentrations below the GWPS at WAMW-1, which is screened deeper than WGWC-21, suggest that the vertical

extent of the lithium SSL at WGWC-21 is shallower than the WAMW-1 screen interval. It also appears to be isolated to the west of WAMW-1 and localized at WGWC-21, as further supported by the inward groundwater flow at this location. Both horizontal and vertical delineation of the new SSL of lithium in WGWC-28D are also currently being evaluated.

To evaluate the geochemical signature of the detection and assessment wells and additional wells including PZ-31, PZ-32D, and PZ-33D at AP-1, piper diagrams (**Figure 7**) were developed using data from February 2025 and April 2025. The results of this geochemical analysis indicate select downgradient wells appear to be influenced by the CCR signature, characterized as a high $CaSO_4$ water. Background and unimpacted wells plot opposite the CCR signature and generally cluster together. The results indicate that PZ-31 and PZ-26D, which provide horizontal and vertical delineation of WGWC-24, respectively, do not appear to be influenced by CCR signature. Although a lithium SSL is present at WGWC-19, this well plots with the background and unimpacted wells, suggesting no indication of CCR impact. Geochemical evaluations across the site will be continued as additional data become available.

3.2 Sorption and Desorption Study Results

3.2.1 Sorption Results

The results of the batch sorption tests are summarized in **Tables 10a** to **10d** and included in the SiREM report provided in **Appendix B**.

Beryllium sorption results for systems with pH adjusted between 5.0 and 5.5 and for systems without pH adjustment are summarized in **Table 10a** and **10b**, respectively. **Figure 8a** presents the linear adsorption isotherm for pH adjusted systems, with dissolved concentrations (in mg/L) plotted on the x-axis and the sorbed concentrations (in mg/kg) on the y-axis. An adsorption isotherm was not generated for the unadjusted systems because, in most cases, beryllium was completely sorbed onto the aquifer solids. By Day 7, aqueous-phase concentrations were non-detect, indicating a strong affinity of the aquifer solids for beryllium adsorption. The beryllium results from systems with adjusted pH between 5.0 and 5.5 also confirmed strong sorption onto aquifer materials and suggest a linear sorption isotherm with a calculated K_d value of approximately 193 liters per kilogram (L/kg). This value is within the range of K_d values reported by USEPA (2005) for beryllium in soil/water systems and suggests strong sorption of beryllium occurs in the subsurface downgradient of AP-1. This observation is also consistent with groundwater monitoring results downgradient of WGWC-24, which is horizontally

delineated by the inward groundwater flow direction and by PZ-31, and indicates beryllium attenuation. ORP and pH remained stable across reactors (**Figure 8a**), indicating that the isotherms are reliably described for each redox condition.

Cobalt sorption results for systems with pH adjusted between 5.0 and 5.5 are summarized in **Table 10c** and depicted on **Figure 8b**. Results from systems without pH adjustment, which maintained circumneutral pH values, are summarized in **Table 10d** and depicted on **Figure 8c**. The data indicate strong attenuation of cobalt onto aquifer materials and suggest a linear sorption isotherm, with a calculated K_d value of approximately 64 L/kg at pH values between 5.0 and 5.5 and 434 at circumneutral pH. These values are within the range of K_d values reported by USEPA (2005) for cobalt in soil/water systems and suggests strong sorption of cobalt in the subsurface downgradient of AP-1. As expected, the results indicate more attenuation and higher K_d values for cobalt with increasing pH. This observation is also consistent with groundwater monitoring results downgradient of WGWC-24, which is horizontally delineated by the inward groundwater flow direction and by PZ-31, and indicates cobalt attenuation. ORP and pH remained stable across reactors (**Figure 8b** and **8c**), indicating that the isotherms are reliably described for each redox condition.

3.2.2 Desorption Results

The results of the desorption testing are summarized in **Table 11a** and **11b** for beryllium and cobalt, respectively. As described in Section 2.3.2, aquifer solids from boring SB-24, located in proximity to WGWC-24, were used to evaluate desorption behavior of beryllium and cobalt under ambient (i.e., aerobic) conditions, which is consistent with aquifer conditions downgradient of AP-1. Furthermore, the total concentrations of these elements obtained through the baseline characterization of these samples and the background groundwater concentration from WGWA-18 are included in **Table 11a** and **11b** to provide some context for the desorption results. As shown in **Tables 11a** and **11b**, no desorption occurred in systems containing soils with aged, sorbed beryllium and cobalt (unspiked systems), indicating the stability of sorbed fractions over time. These results are consistent with the SEP results. Quantifiable concentrations of beryllium and cobalt were reported following contact of groundwater from background well WGWA-18 with aquifer solids recovered at the conclusion of the sorption experiments (i.e., freshly sorbed fractions).

4.0 UPDATED CONCEPTUAL SITE MODEL

As noted previously, the closure strategy for AP-1 will be closure by removal, thereby providing a source control measure that reduces potential for migration of CCR-related constituents to groundwater. Data collected since the previous semiannual progress report are consistent with and generally agree with the CSM described in the previous semiannual remedy selection and design progress report (Geosyntec, 2024b). Due to the letter of nonconcurrence on the ASD submittal for WGWC-19, this CSM has been updated to include lithium trends in this location.

- The characterization of aquifer solids downgradient of AP-1 indicate the presence of iron oxides and clays could potentially provide surface sites and ion exchange capacities to attenuate inorganics.

- The sorption and desorption studies confirm that cobalt and beryllium strongly sorb onto aquifer solids. Beryllium and cobalt showed strong sorption with minimal desorption under representative site conditions, indicating a low potential for remobilization. Overall, results indicate aquifer solids have a substantial capacity to attenuate both metals of interest, supporting the use of the calculated K_d values in fate and transport modeling.

- Lithium is detected in the minerals of aquifer solids collected from a location in the vicinity of wells with SSLs of lithium. Solid phase lithium was observed to be associated with environmentally available fractions.

- The laboratory studies presented to date are consistent with groundwater monitoring results that indicate variable attenuation of site-specific constituents is occurring downgradient of AP-1.

5.0 UPDATED EVALUATION OF CORRECTIVE MEASURES

Based on the data collected to date, the following potential corrective measures will be retained for further evaluation.

- Geochemical Injections:
    - Geochemical injections include the use of an injection well network, or other means of introducing reagents or air into the subsurface, to promote conditions suitable for the attenuation of beryllium and cobalt and possibly lithium. A variety of pH and/or oxidation-reduction (redox)-altering technologies are available which can incorporate biological processes, chemical oxidants and reductants, and/or mechanical processes such as air sparging. These processes can be used to decrease the mobility of beryllium and cobalt. For example, beryllium and cobalt can be sorbed to iron and manganese oxides or co-precipitated with sulfide minerals. In-situ treatment techniques to sequester lithium into the formation of hydroxide minerals have been successful at the laboratory scale for lithium remediation, however treatment of lithium via geochemical injection has yet to be demonstrated in the field. This approach would mainly be evaluated for use at WGWC-20 to potentially address beryllium and lithium and WGWC-19 and WGWC-21 to address lithium. Currently the groundwater flow direction observed at WGWC-24, where SSLs of beryllium and cobalt have been identified, is inward toward AP-1. Given this condition and the observed decreasing concentration trends, the applicability of this corrective measure should be considered for this location.

- Hydraulic Containment (Pump and Treat):
    - Hydraulic containment refers to the use of groundwater extraction to induce a hydraulic gradient for hydraulic capture or control the migration of impacted groundwater. This approach uses extraction wells or trenches to capture groundwater, which may subsequently require above-ground treatment and permitted discharge to a receiving water feature, reinjection into the groundwater, or reuse. Groundwater extraction and above-ground treatment is potentially a viable option within the alluvium and fractured bedrock zone as a supplemental or adaptive measure to treat groundwater

near compliance wells if warranted by site conditions. However, it may not be suited or effective for extraction to treat groundwater near deeper wells with slow aquifer recharge. A screening-level analysis indicates that hydraulic containment remains a viable corrective measure.

- Monitored Natural Attenuation:
    - MNA relies on natural attenuation processes to achieve site-specific remediation objectives within a reasonable time frame relative to more active methods. Under certain conditions (e.g., through sorption, mineral precipitation or redox reactions), MNA effectively reduces the dissolved concentrations of inorganic constituents in groundwater. The characterization of aquifer solids presented in this progress report suggest that the aquifer matrix has the potential for attenuation of the various constituents of interest at the Site. Therefore, MNA remains a viable corrective measure especially for use at WGWC-24 to address beryllium and cobalt. MNA may either be a stand-alone corrective measure or be part of a combination of corrective measures to address groundwater impacts.

Continued groundwater monitoring and updates to the statistical analyses will further refine the CSM and allow for the continued evaluation of an appropriate groundwater corrective measure at the Site.

6.0 PLANNED ACTIVITIES AND ANTICIPATED SCHEDULE

The proposed closure by removal approach provides a source control measure that reduces the potential for migration of CCR constituents to groundwater. During the closure construction of AP-1, temporary changes in site conditions may occur that must be considered as part of remedy selection. Georgia Power proactively initiated adaptive site management as outlined in the ACM Report (Geosyntec, 2023a) to support the remedial strategy and address potential changes in site conditions as appropriate. The adaptive site management approach may be adjusted over the Site's life cycle as new site information and technologies become available. To this end, Georgia Power will continue its data collection efforts as necessary in support of efforts to refine the CSM and to continue assessment of the feasibility of the corrective measures retained for further evaluation. Once sufficient data are available to make technically sound decisions regarding the ability to implement one or more specific corrective measures, necessary steps will be taken to design and implement a remedy for AP-1 in accordance with § 257.98.

Supplementary data collection and evaluation activities proposed to be completed during the next semiannual reporting period include:

- Continue evaluation of beryllium, cobalt, and lithium in assessment monitoring wells.
- Continue the ongoing characterization of the nature and extent of lithium downgradient of WGWC-20, WGWC-21, and WGWC-28D, including characterization of additional groundwater samples.
- Develop a geochemical conceptual site model (GCSM) to evaluate the horizontal and vertical nature and extent of SSLs and identify the mechanisms of mobilization and potential attenuation.
- Assess the application of geochemical modeling to support remedy selection.

Georgia Power will continue to prepare semiannual progress reports to document AP-1 groundwater conditions, results associated with additional data collection, and the progress in selecting and designing a groundwater remedy in accordance with § 257.97(a). Georgia Power will include future semiannual progress reports in routine groundwater monitoring and corrective action reports. Record keeping, notifications, and publicly accessible internet site requirements for the semiannual progress reports will be

provided in accordance with § 257.105(h)(12), § 257.106(h)(9), and § 257.107(h)(9), respectively.

7.0 REFERENCES

Atlantic Coast Consulting, Inc (ACC), 2019a. *2018 Annual Groundwater Monitoring and Corrective Action Report - Plant Wansley Ash Pond 1 (AP-1)*. January 2019.

ACC, 2019b, *Alternate Source Demonstration – Plant Wansley Ash Pond*. January 2019.

Geosyntec, 2020. *Alternative Source Demonstration Addendum – Lithium – Plant Wansley Ash Pond 1 (AP-1)*. November 2020.

Geosyntec, 2021. *Alternative Source Demonstration Addendum - Lithium – Plant Wansley Ash Pond 1 (AP-1)*. February 2021.

Geosyntec, 2023a. *Assessment of Corrective Measures Report – Plant Wansley Ash Pond 1 (AP-1)*. March 2023.

Geosyntec, 2023b. *Risk Evaluation Report – Plant Wansley Ash Pond 1 (AP-1)*. 2023

Geosyntec, 2023c. *2022 Annual Groundwater Monitoring and Corrective Action Report - Plant Wansley Ash Pond 1 (AP-1)*. January 2023.

Geosyntec, 2024a. *Semiannual Remedy Selection and Design Progress Report - Plant Wansley Ash Pond 1 (AP-1)*. January 2024.

Geosyntec, 2024b. *Semiannual Remedy Selection and Design Progress Report - Plant Wansley Ash Pond 1 (AP-1)*. August 2024.

Geosyntec, 2025. *Semiannual Remedy Selection and Design Progress Report - Plant Wansley Ash Pond 1 (AP-1)*. January 2025.

Gruebel, K. A., J. A. Davies and J. O. Leckie, 1988. *The Feasibility of Using Sequential Extraction Techniques for Arsenic and Selenium in Soils and Sediments*. Soil Sci. Soc. Am. J. 52: 390-397.

Hickey, M. G. and J.A. Kittrick, 1984. *Chemical Partitioning of Cadmium, Copper, Nickel, and Zinc in Soils and Sediments Containing High Levels of Heavy Metals*. J. Environ. Qual. 13: 372-376.

Kuo, S., P.E Heilman, and A.S. Baker, 1983. *Distribution and Forms of Copper, Zinc, Cadmium, Iron, and Manganese in Soils Near a Copper Smelter*. Soil Sci.135: 101-109.

Sposito, G., C. S. LeVesque, J. P. LeClaire and N. Senesi, 1984. *Methodologies to Predict the Mobility and Availability of Hazardous Metals in Sludge-Amended Soils*. California Water Resource Center. University of California, Davis, CA.

Tessier A., P.G.C. Campbell, and M. Bisson, 1979. *Sequential Extraction Procedures for the Speciation of Particulate Trace Metals*. Anal. Chem. 51(7): 844-851.

USEPA, 1999. *Use of Monitored Natural Attenuation at Superfund, RCRA Corrective Action, and Underground Storage Tank Sites*. Office of Solid Waste and Emergency Response; Directive 9200.4-17P. April 1999.

USEPA, 2005. *Partition Coefficients for Metals in Surface Water, Soil, and Waste*. Office of Research and Development. EPA/600/R-05/074. July 2005.

USEPA, 2007. *Monitored Natural Attenuation of Inorganic Contaminants in Ground Water. Volume 1 – Technical Basis for Assessment*. National Risk Management Laboratory. EPA/600/R-07/139. October 2007.

USEPA, 2008. *Fate, Transport and Transformation Test Guidelines OPPTS 835.1230 Adsorption/Desorption (Batch Equilibrium)*. Office of Prevention, Pesticides and Toxic Substances. October 2008.

USEPA, 2015. *Use of Monitored Natural Attenuation for Inorganic Contaminants in Groundwater at Superfund Sites*. Office of Solid Waste and Emergency Response Directive 9283.1-36. August 2015.

USEPA, 2023. *Regional Screening Level (RSL) Chemical-specific Parameters Supporting Table*. United States Environmental Protection Agency. November 2023.

TABLES

Table 1
Monitoring Well Network Summary
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, 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
WGWA-1	Detection	Upgradient	1250656.10	2035580.71	780.37	782.93	663.37	653.37	129.56	PWR	10/21/2015
WGWA-2	Detection	Upgradient	1251556.40	2035590.11	755.77	758.23	665.77	655.77	102.46	PWR/Bedrock	10/16/2015
WGWA-3	Detection	Upgradient	1240848.21	2022350.10	826.63	828.91	820.23	810.23	19.08	Saprolite/Bedrock	12/15/2014
WGWA-4	Detection	Upgradient	1240879.58	2022339.66	831.33	834.34	780.43	760.43	74.31	Bedrock	01/13/2015
WGWA-6	Detection	Upgradient	1241932.02	2022360.58	894.62	897.13	822.62	792.62	104.91	Bedrock	01/13/2015
WGWA-7	Detection	Upgradient	1243338.63	2023843.81	894.49	897.33	867.69	857.69	40.04	Bedrock	12/22/2014
WGWA-18	Detection	Upgradient	1244592.56	2025580.71	875.47	878.02	848.47	838.47	39.95	Saprolite/Bedrock	12/16/2014
WGWC-8	Detection	Downgradient	1242929.40	2029644.58	777.70	780.08	730.70	720.70	59.38	Bedrock	10/29/2015
WGWC-9	Detection	Downgradient	1242801.12	2029115.75	809.33	812.03	760.93	750.93	61.50	PWR	12/04/2014
WGWC-10	Detection	Downgradient	1240971.96	2026725.61	809.61	812.38	673.61	663.61	148.77	Saprolite/PWR	10/27/2015
WGWC-11	Detection	Downgradient	1240860.18	2025773.39	821.44	823.96	783.14	773.14	51.22	Saprolite	12/08/2014
WGWC-12	Detection	Downgradient	1240827.68	2025755.99	820.57	823.04	756.57	746.57	76.47	Bedrock	10/22/2015
WGWC-13	Detection	Downgradient	1240610.93	2024585.91	807.32	809.78	734.32	714.32	95.46	Bedrock	11/04/2015
WGWC-14A	Detection	Downgradient	1240604.54	2024599.63	808.20	810.94	778.20	768.20	42.74	Saprolite/PWR	01/31/2017
WGWC-15	Detection	Downgradient	1240483.16	2023912.92	802.03	804.69	758.53	748.53	56.16	Bedrock	11/11/2015
WGWC-16	Detection	Downgradient	1240480.46	2023903.77	801.72	804.21	779.72	769.72	34.50	Saprolite/PWR	11/11/2015
WGWC-17	Detection	Downgradient	1240052.06	2022623.82	813.36	816.00	730.36	720.36	95.94	Bedrock	11/06/2015
WGWC-19	Detection	Downgradient	1241851.51	2028949.19	780.60	783.42	698.60	688.60	94.82	Bedrock	10/28/2015
WGWC-20	Detection	Downgradient	1243350.76	2029769.43	804.88	807.95	775.18	765.18	43.17	Bedrock	09/29/2020
WGWC-21	Detection	Downgradient	1242139.33	2028512.65	831.79	834.41	773.11	763.11	71.70	Bedrock	10/02/2020
WGWC-22	Detection	Downgradient	1241695.25	2028116.05	807.00	810.37	776.92	766.92	43.85	PWR/Bedrock	10/18/2020
WGWC-23	Detection	Downgradient	1240769.79	2027414.58	820.50	823.80	780.40	770.40	53.80	PWR	10/04/2020
WGWC-24	Detection	Downgradient	1239916.68	2024139.82	802.22	804.80	774.43	764.43	40.77	PWR	10/17/2020
WGWC-25	Detection	Downgradient	1240184.18	2023616.69	805.98	808.98	779.51	769.51	39.87	Saprolite/PWR	10/28/2020
WGWC-30	Detection	Downgradient	1240032.73	2022624.29	812.44	815.20	792.03	782.03	33.50	Saprolite	12/09/2024
WGWC-31D	Detection	Downgradient	1240831.55	2027168.07	811.79	814.61	734.54	724.54	90.40	Bedrock	12/09/2024
WGWC-31S	Detection	Downgradient	1240831.58	2027173.44	811.74	814.69	782.45	772.45	42.57	Saprolite/PWR	12/06/2024
WGWC-32	Detection	Downgradient	1241721.24	2028131.52	807.70	810.23	786.16	776.16	34.40	PWR	12/10/2024
WGWC-33	Detection	Downgradient	1242764.83	2029104.26	809.71	812.09	784.72	774.72	37.70	PWR	12/11/2024
WGWC-34D	Detection	Downgradient	1245303.30	2027822.22	806.31	806.04	724.21	714.21	92.15	Saprolite	03/09/2025
WGWC-34S	Detection	Downgradient	1245294.99	2027830.72	806.28	805.77	769.50	759.50	46.60	Dike Material	03/19/2025
WGWC-35D	Detection	Downgradient	1244985.87	2028140.13	806.27	806.02	698.55	688.55	117.80	Saprolite	03/06/2025
WGWC-35S	Detection	Downgradient	1244973.26	2028152.75	806.24	805.95	755.68	745.68	60.60	Dike Material	02/26/2025
WGWC-36D	Detection	Downgradient	1244524.68	2028595.96	805.81	805.56	689.79	679.79	126.10	Dike Material/Saprolite	02/24/2025
WGWC-36S	Detection	Downgradient	1244517.48	2028601.76	805.81	805.62	758.25	748.25	57.70	Dike Material	02/21/2025
WGWC-37D	Detection	Downgradient	1244304.90	2028853.29	805.77	805.24	688.69	678.69	126.95	Saprolite/PWR/Bedrock	11/01/2020
WGWC-37S	Detection	Downgradient	1244317.13	2028839.68	805.80	805.30	770.28	760.28	45.42	Dike Material	10/31/2020
WGWC-38D	Detection	Downgradient	1243855.62	2029276.99	806.37	806.15	726.72	716.72	89.75	PWR	01/31/2025
WGWC-38S	Detection	Downgradient	1243844.64	2029287.40	806.32	806.07	756.89	746.89	59.50	Dike Material	02/02/2025
WGWC-39	Detection	Downgradient	1240457.61	2025105.38	824.59	826.86	795.79	785.79	41.46	Saprolite	12/10/2014
WGWC-40	Detection	Downgradient	1240837.96	2026731.01	816.17	818.74	779.37	769.37	49.78	Saprolite	12/08/2014
WGWC-41	Detection	Downgradient	1242058.41	2028554.29	829.26	832.02	810.46	800.46	31.96	Bedrock	12/05/2014
WGWC-42	Detection	Downgradient	1243496.86	2030132.73	784.45	787.30	759.45	749.45	37.85	Saprolite	01/31/2017

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Heard and Carroll Counties, GA

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PZ-26D	Assessment	Downgradient	1239919.45	2024146.35	802.31	804.93	735.23	725.23	80.10	Bedrock	10/12/2020
WAMW-1	Assessment	Downgradient	1241843.66	2028944.63	780.05	782.66	668.40	658.40	124.60	Bedrock	09/16/2018
WAMW-2	Assessment	Downgradient	1241547.56	2028806.27	768.39	770.82	694.19	684.19	86.92	Bedrock	09/14/2018
WGWC-27	Assessment	Downgradient	1243215.51	2029878.92	778.05	780.54	749.15	739.15	41.69	Bedrock	09/27/2022
WGWC-28D	Assessment	Downgradient	1243337.13	2029751.04	805.36	808.24	609.06	599.06	209.58	Bedrock	08/18/2023
PZ-01	Piezometer	Upgradient	1240249.86	2022319.93	853.91	856.72	817.81	807.81	49.31	Bedrock	12/12/2014
PZ-04	Piezometer	Upgradient	1242592.03	2023595.91	886.13	889.01	878.93	868.93	20.48	Saprolite/Bedrock	12/22/2014
PZ-06	Piezometer	Upgradient	1244382.89	2024661.39	912.30	915.15	898.60	888.60	26.94	Bedrock	12/17/2014
PZ-08	Piezometer	Upgradient	1245514.59	2026807.30	864.65	867.29	836.85	826.85	40.84	Saprolite/Bedrock	12/15/2014
PZ-16	Piezometer	Downgradient	1239419.77	2023662.22	798.05	800.70	785.05	775.05	26.15	Saprolite	12/11/2014
PZ-17	Piezometer	Downgradient	1239270.02	2023086.50	828.54	831.01	789.84	779.84	51.57	Saprolite	12/11/2014
PZ-18	Piezometer	Downgradient	1239569.52	2022299.20	812.10	814.51	788.20	778.20	36.71	Saprolite	12/11/2014
PZ-23D	Piezometer	Downgradient	1242139.53	2028520.87	831.89	834.32	749.92	739.92	94.80	Bedrock	10/02/2020
PZ-27D	Piezometer	Downgradient	1240190.93	2023620.36	806.22	809.28	737.96	727.96	81.72	Bedrock	10/15/2020
PZ-28	Piezometer	Downgradient	1240066.02	2022624.73	813.57	816.18	753.68	743.68	72.90	Saprolite/PWR	10/29/2020
PZ-30	Piezometer	Downgradient	1240592.30	2027321.68	812.43	814.80	787.83	777.83	37.47	Saprolite/PWR	03/20/2024
PZ-31	Piezometer	Downgradient	1239941.77	2024324.33	807.86	810.90	778.96	768.96	42.45	Saprolite	03/22/2024
PZ-32D	Piezometer	Downgradient	1243211.88	2029886.45	777.14	776.74	461.74	451.74	325.30	Bedrock	10/17/2024
PZ-33D	Piezometer	Downgradient	1243211.76	2029886.78	777.14	776.74	381.74	371.74	405.30	Bedrock	10/17/2024
WGWA-5	Piezometer	Upgradient	1241997.94	2022368.85	899.28	902.15	888.88	878.88	23.66	Saprolite/PWR/Bedrock	12/23/2014
WGWC-14	Piezometer	Downgradient	1240621.86	2024584.92	806.87	809.50	764.87	754.87	54.63	PWR/Bedrock	11/05/2015
WGWC-26D	Piezometer	Downgradient	1243343.66	2029758.85	805.06	808.23	749.31	739.31	69.27	Bedrock	09/26/2022

Notes:
Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey of WGWA-1 through WGWA-18, WGWC-8 through WGWC-19, WAMW-1 and WAMW-2, and PZ-01 through PZ-20 was completed by GEL Solutions and certified June 16, 2020. Survey of WGWC-20 through WGWC-25, and PZ-23D through PZ-29D was completed by GEL Solutions and certified on November 17, 2020. Survey of WGWC-26D and WGWC-27 was completed by GEL Solutions and certified on October 13, 2022. Survey of WGWC-28D was completed by GEL Solutions and certified September 5, 2023. Survey of PZ-30 and PZ-31 was completed by GEL Solutions and certified July 1, 2024. Survey of PZ-32D and PZ-33D was completed by GEL Solutions and certified November 7, 2024. Survey of WGWC-30 through WGWC-38S was completed by Thompson Engineering and certified on April 9, 2025.
Ground surface elevation defined at the survey nail installed within the well pad.
Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
Total well depth accounts for sump if data provided on construction logs.
PZ-29D, PZ-29S, PZ-15, PZ-12, PZ-10, and PZ-20 were reclassified to detection wells WGWC-37D, WGWC-37S, and WGWC-39 though WGWC-42, respectively.
WAMW-2 was reclassified to an assessment well.

Table 2
Evaluation of Remedial Technologies
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Regulatory Citation for Criteria:		40 CFR 257.96(C)(1)		40 CFR 257.96(C)(1)	40 CFR 257.96(C)(1)
Corrective Measure	**Description**	**Performance**	**Reliability**	**Ease of Implementation**	**Potential Impacts**
Geochemical Approaches (In-Situ Injection)	Use of an injection well network, or other means of introducing reagents or air into the subsurface, to promote either anaerobic or aerobic attenuation of beryllium (Be), Cobalt (Co), and potentially lithium (Li), although further evaluation and testing would be needed to understand applicability to Li attenuation. The main attenuation mechanism for Be and Co is sorption, which is more dependent on pH than oxidation-reduction (redox) conditions. Under anaerobic conditions, Be and Co would be attenuated within sparingly soluble sulfide minerals. Under aerobic conditions, soluble iron or manganese and oxygen (either via air sparging or through a chemical oxidant) would be injected to promote the formation of iron or manganese (oxy-) hydroxides for subsequent sorption of Be and Co onto these mineral phases. If sufficient iron is present in groundwater, the use of air sparging alone may be considered to precipitate iron (oxy-) hydroxides for sorption. In-situ chemical oxidation (ISCO) or in-situ chemical reduction (ISCR) can be used to chemically alter the redox environment in the subsurface to affect the mobility of certain inorganic compounds, including Be and Co.	The effective immobilization of Be and Co at neutral to alkaline pH can be effective at achieving groundwater protection standards (GWPS) within a reasonable time frame. This immobilization has been shown at other sites under aerobic and anaerobic conditions; however, the anaerobic approach (involving the injection of an electron donor together with iron or manganese and sulfur) requires careful study and testing. While aerobic approaches are somewhat less complex, additional aquifer characterization is needed to further evaluate these options. Li is generally characterized as nonreactive, and the application of in-situ injection treatment for immobilization would need to be further investigated to evaluate efficacy.	Reliability dependent on permeability of the subsurface and the amount and distribution of secondary iron or manganese (oxy-) hydroxides (for aerobic approach), or electron donors and soluble iron or manganese and sulfur that can be consistently distributed (for anaerobic approach). Reliable technology if injected materials can be distributed throughout the impacted aquifer. Bench- and/or pilot-scale treatability testing programs are needed to understand the biogeochemical processes that would effectively reduce migration of Be, Co, and Li in groundwater.	Moderate. Installation of injection well network or other injection infrastructure would be required. Alternative installation approaches may be considered, such as along the downgradient edge of impacted groundwater, which would function similar to a PRB application. The potential for clogging of aquifer matrix and/or injection well infrastructure is an implementation consideration. Injectate distribution during injections (i.e., radius of influence) needs to be evaluated, especially given the shallow bedrock environment in the vicinity of WGWC-20. Current groundwater flow conditions are towards AP-1 in the vicinity of WGWC-24, therefore the relevant applicability of this corrective measure needs to be considered for this location.	Minimal impacts are expected if remedy works as designed, based on a thorough pre-design investigation, geochemical modeling, and bench/pilot study results. Redox-altering processes have the potential to mobilize naturally-occurring constituents as an unintended consequence if not properly studied and implemented.
Hydraulic Containment ("Pump and Treat")	Hydraulic containment refers to the use of groundwater extraction to induce a hydraulic gradient for hydraulic capture or control the migration of impacted groundwater. This approach uses extraction wells or trenches to capture groundwater, which may subsequently require above-ground treatment and permitted discharge to a receiving water feature, reinjection into the aquifer, or reuse (e.g., land application, CCR conditioning, etc.). It is applicable to a variable mix of inorganic constituents, including dissolved Be, Co, and Li.	Pump and treat (P&T) is effective at providing hydraulic control, but it is unclear whether full groundwater remediation can be achieved without further understanding attenuation mechanisms at the Site. At WGWC-20 and WGWC-24, implementation of the corrective measure is contingent on completing additional assessment activities (i.e., high-resolution site characterization, pump tests, flow modeling, and capture zone analysis). This is needed to refine the constituent distribution in the subsurface to target specific flow zones for pumping for improved mass recovery efficiency/effectiveness and to further evaluate the potential remedy performance. Current groundwater flow conditions are towards AP-1 in the vicinity of WGWC-24, therefore the relevant applicability of this corrective measure needs to be considered for this location.	Generally reliable for hydraulic containment, but uncertainty exists whether groundwater remediation goals can be achieved within a reasonable time frame without further understanding attenuation mechanisms.	Moderate. Proven approach for hydraulic control, and supplemental installation of extraction wells/trenches is fairly straightforward. The extracted groundwater may potentially require an above-ground treatment system, although one may be available as a result of closure activities. A variety of sorption and precipitation approaches exist for ex-situ treatment of Be and Co, while this would need to be further evaluated for Li. Operation and maintenance (O&M) requirements are expected to include upkeep of infrastructure components (pumps, pipes, tanks, instrumentation and controls, above-ground treatment system) and handling of treatment residuals. Current groundwater flow conditions are towards AP-1 in the vicinity of WGWC-24, therefore the relevant applicability of this corrective measure needs to be considered for this location.	Moderate. The main potential impacts are related to the presence and operation of an on-site above-ground water treatment facility and related infrastructure to convey and treat extracted groundwater. Pumping activity may unintentionally alter the geochemistry within the hydraulic capture zone.
Monitored Natural Attenuation (MNA)	MNA relies on natural attenuation processes to achieve site-specific remediation objectives within a reasonable time frame relative to more active methods. Under certain conditions (e.g., through sorption, mineral precipitation or oxidation-reduction reactions), MNA effectively reduces the dissolved concentrations of inorganic constituents in groundwater. Attenuation mechanisms for inorganic constituents at CCR sites, including Be and Li at WGWC-20 and Be and Co at WGWC-24, are either physical (e.g., dilution, dispersion, flushing, and related processes) or chemical (sorption or oxidation reduction reactions). Chemical attenuation processes include precipitation and sorption reactions such as adsorption on the surfaces of soil minerals, absorption into the matrix of soil minerals, or partitioning into organic matter. Further, redox reactions, via abiotic or biotic processes, can transform the valence states of some inorganic constituents to less soluble and thus less mobile forms. For Be and Co, the main attenuation processes include sorption to iron and manganese oxides and for Li, physical attenuation. Further evaluation of chemical attenuation mechanisms for Li would need to be completed.	Physical and chemical MNA mechanisms for Be, Co, and Li, including dilution, dispersion, sorption, and oxidation reduction reactions, can be effective at achieving GWPS within a reasonable time frame. Attenuation processes for Be, Co, and Li are already occurring at the site as evidenced by data from the assessment wells associated with WGWC-20 and WGWC-24. Source control will improve the mass balance such that the buffer capacity of the aquifer is unlikely to be exhausted. The attenuation processes already at work for Be and Li at WGWC-20 and Be and Co at WGWC-24 will further enhance the effectiveness of MNA.	Reliable as long as the aquifer conditions that result in Be, Co, and Li attenuation remain favorable (and/or are being enhanced) and sufficient attenuation capacity is present. MNA is reliable and can either be used as a stand-alone corrective measure for groundwater impacted by dissolved Be and Co, or in combination with a second technology for Be, Co, or Li.	Reasonably implementable with respect to infrastructure, but moderate to complex with respect to documentation. Proven approach, but additional data are needed to show that the existing attenuation capacity is sufficient to meet site objectives within a reasonable timeframe. A monitoring well network already exists to implement future groundwater monitoring efforts.	None. MNA relies on the natural processes active in the aquifer matrix to reduce constituent concentrations without disturbing the surface or the subsurface.
Permeable Reactive Barrier	Permeable reactive barrier (PRB) technology typically involves the installation of a permeable subsurface wall constructed with reactive media for the removal of constituents as groundwater passes through. The effectiveness of a PRB on the removal of Be and Li is relatively unknown. Further research and testing are required to see if Be and Li could be attenuated by a PRB. Either ZVI- Carbon matrix or solid carbon (bio-barrier) are most likely viable for the removal of Co. The carbon could be composed of peat moss, mulch or another carbon source. Exact placement of the PRB is contingent on finalization of the nature and extent characterization and subsurface geologic considerations. PRBs can also be constructed as "funnel and gate" systems, where a barrier wall directs groundwater to a smaller "treatment gate" filled with reactive media.	The PRB approach would be expected to achieve GWPS for Be, Co, and Li as impacted groundwater passes through the reactive barrier, if an appropriate reactive barrier can be identified in further evaluations. Additional testing is required to select the appropriate sorptive media mix that will not result in generation of unwanted byproducts and be applicable for Be and Li, ideally in concurrence with Co.	Reliable groundwater corrective measure, but loss of reactivity over time may require re-installation depending on the duration of the remedy. Additional data collection, including conducting a bench and/or pilot study, is needed to better characterize current attenuation mechanisms and/or select the appropriate reactive media mix for a PRB wall.	Difficult. Trenching at depth through bedrock (up to 40 feet) would be required to install a mix of reactive materials in the subsurface. Placement of reactive material in bedrock fracture zones to capture groundwater would be a complex construction method. Once installed, treatment will be passive and O&M requirements are minimal if replacement of the PRB is not necessary.	Minimal impacts are expected following the construction of the remedy. However, certain PRB methods have the potential to create anaerobic conditions downgradient of the PRB wall that may mobilize redox-sensitive naturally-occurring constituents. These conditions need to be carefully monitored. Short-term impacts during the construction of the remedy can be mitigated through appropriate planning and health and safety measures.
Phytoremediation / *TreeWells*	Phytoremediation uses trees and other plants to degrade or immobilize constituents or achieve hydraulic control without the need for an above-ground water treatment system and infrastructure. Within the context of AP-1, this corrective measure would likely use an engineered (proprietary) TreeWell phytoremediation system along the point of compliance or downgradient edge of the impacted groundwater for hydraulic control. The system promotes root development to the targeted groundwater zone (depth), allowing for hydraulic control of impacted groundwater. In addition, immobilization of Be, Co, and Li within the root zone as well as incidental uptake of dissolved Be, Co, and Li with groundwater is expected to occur concurrent with hydraulic control.	Once established (typically at the end of the third growing season), a TreeWell system is effective for providing hydraulic containment of groundwater, and potential reduction of Be, Co, and Li concentrations through immobilization and/or uptake and sequestration in the tree biomass; however, the main purpose is to provide hydraulic control. Additional aquifer testing and/or groundwater flow modeling would be needed to confirm the suitability of this technology in the shallow bedrock and variable lithologic subsurface at WGWC-20 and WGWC-24.	Engineered phytoremediation is a proven technology where hydrogeologic factors are taken into account (e.g., hydraulic conductivity, flow velocity, depth to impacted groundwater zone, etc.). This is considered an active remedial approach through the use of trees as the "pumps" driving the system. Careful design will be needed to select the proper species, which will include consideration of groundwater chemistry, plant uptake of constituents, the nature of the subsurface, and groundwater flow modeling to evaluate the required number and placement of TreeWell units.	Reasonably implementable to moderate. Engineered approach has been proven effective, and specific depth zones can be targeted. Trees are installed as "tree wells" in a large diameter boring to get the roots deep enough to intercept impacted groundwater flow paths. Area must be clear of above and below-ground structures (i.e., power lines). The system, once established (approximately three growing seasons), is a self-maintaining, sustainable remedial system that has no external energy requirements and little maintenance (i.e., efforts normally associated with landscaping).	Minimal impacts are expected. In fact, there are several positive impacts expected, including enhanced aesthetics, wildlife habitat, and limited energy consumption.
Subsurface Vertical Barrier Walls	This approach involves placing a barrier to groundwater flow in the subsurface, frequently around a source area, to prevent future migration of dissolved constituents in groundwater from beneath the source to downgradient areas. In general, barrier walls are designed to provide containment; localized treatment achieved through the sorption or chemical precipitation reactions from construction of the walls are incidental to the design objective. A variety of barrier materials can be used, including cement and/or bentonite slurries, geomembrane composite materials, or driven materials such as steel or vinyl sheet pile. Groundwater extraction from upgradient of the barrier may be required to avoid groundwater mounding behind the barrier. A barrier wall might be used in conjunction with a "funnel and gate" system for a PRB rather than a stand-alone technology. Barrier walls can also be used in downgradient applications.	Barrier walls are a proven technology for seepage control and/or groundwater cutoff at impoundments. Slurry walls can be installed up to approximately 90 ft below ground surface (bgs), and groundwater impacts at the site are observed at depths less than 40 ft bgs. Within the context of WGWC-20, groundwater could either be directed to "treatment gates" for passive treatment (in a PRB) or migration of impacted groundwater could be minimized via barrier wall installation. The inward groundwater flow condition at WGWC-24 may not necessitate corrective action at this time. Additional subsurface investigations, aquifer testing, and compatibility testing with site-specific groundwater will be needed to assess applicability in the shallow bedrock subsurface environment.	Generally reliable as a barrier to groundwater flow; however, treatment of downgradient groundwater is typically not the primary objective.	Moderate to difficult. Trenching will be required to fill in the various slurry mixes; alternatively, sheet pile installations can be accomplished without excavation of trenches. The application of barrier walls is limited by the depth of installation and subsurface geology, which will be a consideration at AP-1. Installation methods and materials are readily available. Once installed, above-ground infrastructure to pump and treat groundwater may be required. O&M requirements are expected to include upkeep of infrastructure components (pumps, pipes, tanks, instrumentation and controls, above-ground treatment system) and handling of treatment residuals.	Minimal impacts are expected following the construction of the remedy. Short-term impacts during the construction of the remedy can be mitigated through appropriate planning and health and safety measures. Changes to groundwater flow patterns due to installation of the barrier wall are expected, which can affect other aspects of groundwater corrective action. Pumping activity may unintentionally alter the geochemistry within the hydraulic capture zone that may result in the mobilization of other constituents that may require treatment.

Table 2
Evaluation of Remedial Technologies
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Regulatory Citation for Criteria:	40 CFR 257.96(C)(2)	40 CFR 257.96(C)(3)			
Corrective Measure	**Time Requirement to Begin/Complete**	**Institutional Requirements**	**Other Env or Public Health Requirements**	**Relative Costs**	**Evaluation of Retainage**
Geochemical Approaches (In-Situ Injection)	Installation of the injection network can be accomplished relatively quickly (1 to 2 months). However, a thorough pre-design investigation, geochemical modeling, and/or bench- and/or pilot-testing will be required to obtain design parameters prior to design and construction of the corrective measure, which may take up to 24 months. Once installed, the time required to achieve GWPS within the treatment area may be relatively quick but depends on the attenuation process kinetics of each targeted constituent. The time for complete distribution of the injected materials throughout the treatment area is also variable.	No institutional requirements are expected at this time.	Based on the results of the Risk Evaluation Report (Appendix A of the ACM Report), SSL-related constituents (Li and Be) evaluated from AP-1 are not expected to pose a risk to human health and the environment; Co will be added to a revised version of the Risk Evaluation as part of the Remedy Selection Report. Georgia Power will continue to proactively evaluate the data and update this evaluation, if necessary. Based on downgradient sampling results, there currently are no complete exposure pathways for potential receptors downgradient of WGWC-20; a risk evaluation in vicinity of WGWC-24 is pending. Potential for mobilization of redox-sensitive constituents exists during implementation of an anerobic attenuation approach.	Medium to high (depending on expanse of injection network required, injection dispersion requirements in bedrock, and injectate volume required per derived design parameters).	Remedial approach retained as a targeted injection layout may result in decreased concentrations of Be and Co in groundwater below the GWPS; may be used as a stand-alone corrective measure or in conjunction with other potential groundwater corrective measures. Further evaluation would be required to understand applicability and efficacy to treat Li.
Hydraulic Containment ("Pump and Treat")	Installation of extraction wells and/or trenches can be accomplished relatively quickly (1 to 2 months). However, additional aquifer testing, system design and installation, and permit approval may be required, which may take up to 24 months. The initiation of the approach would be contingent on the start-up of the wastewater treatment infrastructure (if being utilized). Hydraulic containment can be achieved relatively quickly after startup of the extraction system, but uncertainty exists with respect to the time to achieve GWPS without additional data collection to better understand attenuation mechanisms for Be, Co, and Li.	Depending on the effluent management strategy, modifications to the existing NPDES permit may be required, or obtaining a UIC permit will be needed if groundwater reinjection is chosen.	Based on the results of the Risk Evaluation Report (Appendix A of the ACM Report), SSL-related constituents (Li and Be) evaluated from AP-1 are not expected to pose a risk to human health and the environment; Co will be added to a revised version of the Risk Evaluation as part of the Remedy Selection Report. Georgia Power will continue to proactively evaluate the data and update this evaluation, if necessary. Based on downgradient sampling results, there currently are no complete exposure pathways for potential receptors downgradient of WGWC-20; a risk evaluation in vicinity of WGWC-24 is pending. Above-ground treatment components may need to be present for an extended period of time, generating residuals requiring management and disposal.	Medium to high (depending on remedy duration, complexity of above-ground treatment system, and volume of water processed).	P&T is a potentially viable corrective measure for Be, Co, and Li in groundwater and will be retained for further evaluation.
Monitored Natural Attenuation (MNA)	The infrastructure to initiate MNA is already in place. Demonstrating attenuation mechanisms and capacity can be time-consuming and can take up to 24 months. MNA is expected to be successful within a reasonable time frame following pond closure. Engineering measures will be implemented to minimize potential impacts to the subsurface during closure activities and routine groundwater monitoring will be used to verify that groundwater impacts remain stable or decrease over time.	No institutional requirements are expected at this time.	Based on the results of the Risk Evaluation Report (Appendix A of the ACM Report), SSL-related constituents (Li and Be) evaluated from AP-1 are not expected to pose a risk to human health and the environment; Co will be added to a revised version of the Risk Evaluation as part of the Remedy Selection Report. Georgia Power will continue to proactively evaluate the data and update this evaluation, if necessary. Based on downgradient sampling results, there currently are no complete exposure pathways for potential receptors downgradient of WGWC-20; a risk evaluation in vicinity of WGWC-24 is pending. Little to no physical disruption to remediation areas and no adverse construction related impacts are expected on the surrounding community.	Low. Minimal cost requirements.	Under current conditions, attenuation processes for Be, Co, and Li are already occurring as evidenced by groundwater data from assessment wells associated with WGWC-20 and WGWC-24. Therefore, MNA is a potentially viable corrective measure and will be retained for further evaluation, either as a stand-alone corrective measure or in conjunction with other potential groundwater corrective measures.
Permeable Reactive Barrier	Installation of a PRB can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. WGWC-20 and WGWC-24 would require installation of two systems for use in both locations due to distance, however current groundwater flow for WGWC-24 is inward toward AP-1 and may not necessitate corrective action at this time. Bench- and/or pilot-testing would be required to obtain design parameters prior to design and construction of the remedy, which may take up to 24 months. Once installed, the time to achieve GWPS downgradient of the PRB is anticipated to be relatively quick.	No institutional requirements are expected at this time.	Based on the results of the Risk Evaluation Report (Appendix A of the ACM Report), SSL-related constituents (Li and Be) evaluated from AP-1 are not expected to pose a risk to human health and the environment; Co will be added to a revised version of the Risk Evaluation as part of the Remedy Selection Report. Georgia Power will continue to proactively evaluate the data and update this evaluation, if necessary. Based on downgradient sampling results, there currently are no complete exposure pathways for potential receptors downgradient of WGWC-20; a risk evaluation in vicinity of WGWC-24 is pending. Following installation, the remedy is passive (but may require replacement). However, certain treatment media (such as ZVI) have the potential to mobilize naturally-occurring constituents downgradient of the PRB.	High (for installation) - minimal O&M requirements if replacement is not necessary.	Due to limited space and significant infrastructure downgradient of WGWC-20 and the direction of groundwater flow at WGWC-24 inward to AP-1, PRB has not been retained for further consideration.
Phytoremediation / *TreeWells*	The design phase will require groundwater modeling for optimal placement of the TreeWell units, which may take up to 6 months. Additional aquifer testing and design will likely be required, which may take up to 24 months. Depending on the number of required units, the installation effort is expected to last several weeks. Hydraulic capture/control is expected approximately three years after planting and system performance is expected to further improve over time.	No institutional requirements are expected at this time.	Based on the results of the Risk Evaluation Report (Appendix A of the ACM Report), SSL-related constituents (Li and Be) evaluated from AP-1 are not expected to pose a risk to human health and the environment; Co will be added to a revised version of the Risk Evaluation as part of the Remedy Selection Report. Georgia Power will continue to proactively evaluate the data and update this evaluation, if necessary. Based on downgradient sampling results, there currently are no complete exposure pathways for potential receptors downgradient of WGWC-20; a risk evaluation in vicinity of WGWC-24 is pending. Following installation, the remedy is passive and does not require external energy.	Medium to high (for installation) - minimal O&M requirements.	Given groundwater depth and SSL exceedance depth at the Site, phytoremediation is likely not a viable groundwater corrective measure. In addition, the fractured shallow bedrock, variable subsurface lithology, and significant infrastructure in the vicinity will make plant selection and planting layout difficult.
Subsurface Vertical Barrier Walls	Installation of a barrier wall can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. However, design and additional aquifer and compatibility testing will be required, which may take up to 24 months. Once installed, preventing migration of constituents dissolved in groundwater is anticipated to be relatively quick. Since this approach does not treat the downgradient area of impacted groundwater but prevents migration from a source area, it will likely have to be maintained long-term and coupled with other approaches.	No institutional requirements are expected at this time.	Based on the results of the Risk Evaluation Report (Appendix A of the ACM Report), SSL-related constituents (Li and Be) evaluated from AP-1 are not expected to pose a risk to human health and the environment; Co will be added to a revised version of the Risk Evaluation as part of the Remedy Selection Report. Georgia Power will continue to proactively evaluate the data and update this evaluation, if necessary. Based on downgradient sampling results, there currently are no complete exposure pathways for potential receptors downgradient of WGWC-20; a risk evaluation in vicinity of WGWC-24 is pending. Due to the need for groundwater extraction associated with barrier walls, above-ground treatment components may need to be present for an extended period of time, generating residuals requiring management and disposal.	High (depending on length and depth of wall, subsurface geologic considerations, remedy duration and complexity of above-ground treatment system).	Due to limited space and significant infrastructure downgradient of WGWC-20 and the direction of groundwater flow at WGWC-24 inward to AP-1, subsurface vertical barrier walls have not been retained for further consideration.

Table 3
Summary of Total Metals Concentrations
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Location ID	SB-24	WAMW-1	WGWC-21	Units
Sample Depth	31 to 37 ft BGS	84 to 89 ft BGS	58.68 to 68.68 ft BGS	
Sample Date	12/4/2024	12/19/2024	12/19/2024	
Mineral/Compound				
Aluminum	67000	50000	61000	mg/kg
Beryllium	1.5	1.2	6.3	mg/kg
Cobalt	1.3	15	1.1	mg/kg
Iron	11000	37000	9700	mg/kg
Lithium	12	41	40	mg/kg
Manganese	92	660	324	mg/kg

Notes:
mg/kg = milligrams per kilogram.
ft BGS = feet below ground surface.

Table 4
Summary of Whole Rock Analysis
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Location ID	SB-24	WAMW-1	WGWC-20	WGWC-21	Units
Sample Depth	31 to 37 ft BGS	84 to 89 ft BGS	33 to 38 ft BGS	58.68 to 68.68 ft BGS	
Sample Date	12/4/2024	12/19/2024	12/19/2024	12/19/2024	
Mineral/Compound					
Al_2O_3	13.4	14.4	12.7	12.3	%
CaO	0.96	4.06	0.53	0.75	%
Cr_2O_3	< 0.01	0.01	0.02	0.02	%
Fe_2O_3	1.68	5.61	1.06	1.4	%
K_2O	4.14	0.93	4.6	4.88	%
LOI	1.29	1.66	0.92	0.94	%
MgO	0.29	2.79	0.05	0.18	%
MnO	< 0.01	0.11	0.07	0.04	%
Na_2O	3.34	4.51	3.57	3.29	%
P_2O_5	0.07	0.08	0.02	0.03	%
SiO_2	73.5	65.5	76.9	75.9	%
TiO_2	0.29	0.44	0.11	0.19	%
V_2O_5	< 0.01	0.02	< 0.01	< 0.01	%
Sum	99.0	100.2	100.5	99.9	%

Notes:
< = Indicates the parameter was not detected above the analytical method detection limit (MDL).
ft BGS = feet below ground

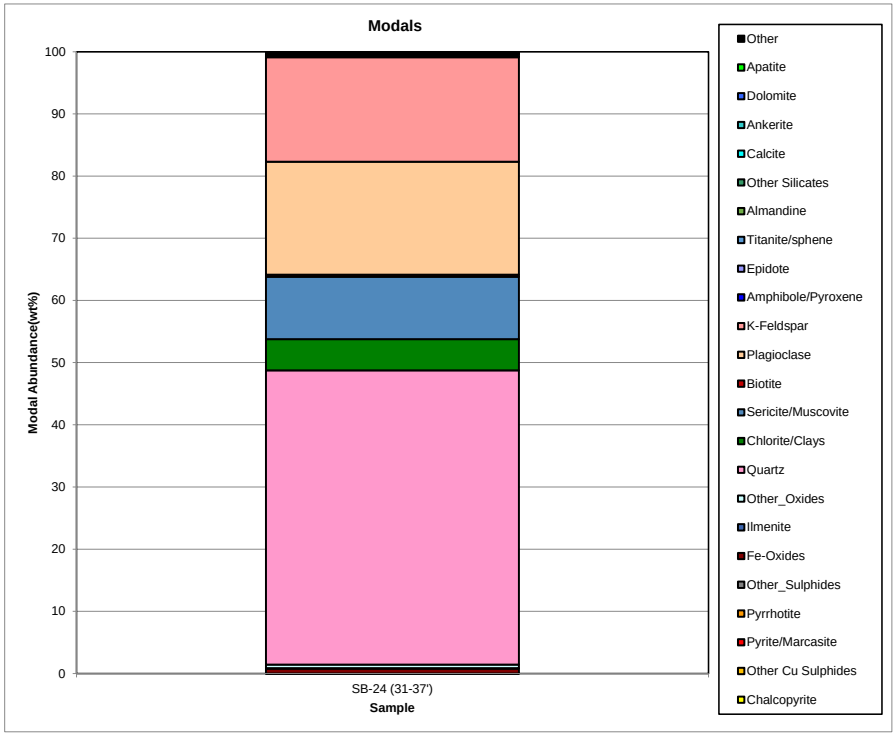
Table 5
Summary of X-Ray Diffraction Analysis
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Location ID		SB-24	WAMW-1	WGWC-20	WGWC-21	Units
Sample Depth		31 to 37 ft BGS	84 to 89 ft BGS	33 to 38 ft BGS	58.68 to 68.68 ft BGS	
Sample Date		12/4/2024	12/19/2024	12/19/2024	12/19/2024	
Mineral/Compound						
Quartz	SiO_2	36.6	26.2	35.7	36.6	%
Albite	$NaAlSi_2O_8$	32.8	47.8	32.2	30.0	%
Microcline	$KAlSi_3O_8$	19.5	1.8	27.8	30.1	%
Muscovite	$KAl_2(Si_3AlO_{10})(OH)_2$	7.4	-	3.0	2.4	%
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$	2.1	5.7	-	0.7	%
Biotite	$K(Mg,Fe)_3(AlSi_3O_{10})(OH)_2$	-	1.9	-	0.3	%
Diopside	$CaMgSi_2O_6$	1.2	1.5	-	-	
Ankerite	$CaFe(CO_3)_2$	0.4	0.1	-	-	
Actinolite	$Ca_2(Mg,Fe)_5Si_8O_{22}(OH)_2$	-	15.2	-	-	
Kaolinite	$Al_2Si_2O_5(OH)_4$	-	-	1.2	-	
Sum						wt. %

Notes:
- = Indicates the mineral was not identified.
ft BGS = feet below ground surface.
wt. % = weight percent.

Table 6
Summary of QEMSCAN Analysis
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

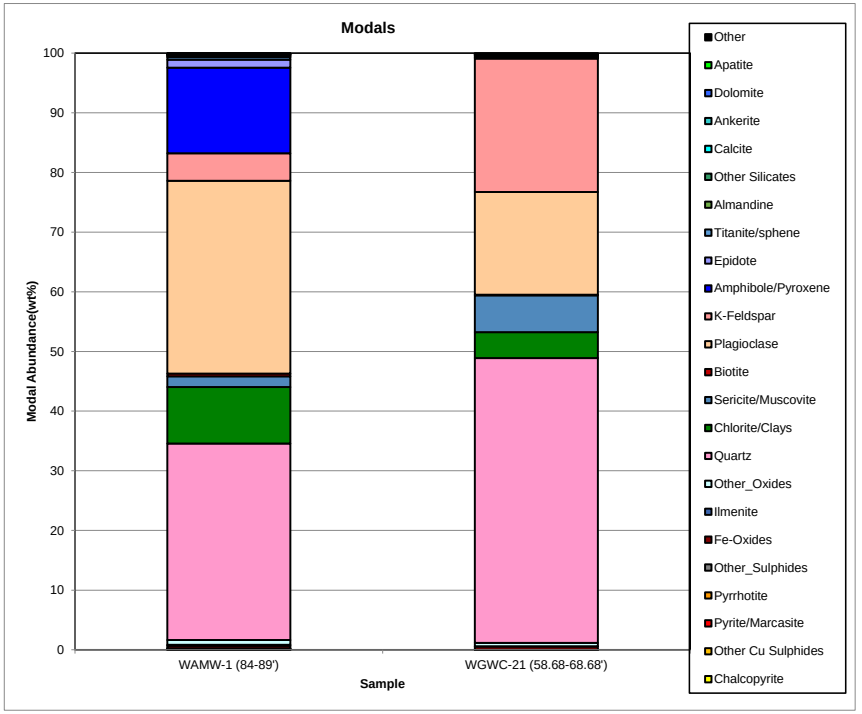
Location ID	Sample	SB-24
Sample ID		SB-24 (31-37')
Sample Depth		31 to 37 ft BGS
Sample Date		12/4/2024
Fraction		-300/+3um
Mass Size Distribution (%)		100
Calculated ESD Particle Size		29
Mineral Mass (%)	Chalcopyrite	0.00
	Pyrite/Marcasite	0.00
	Other_Sulphides	0.00
	Fe-Oxides	0.78
	Ilmenite	0.09
	Other_Oxides	0.56
	Quartz	47.30
	Chlorite/Clays	5.01
	Sericite/Muscovite	10.10
	Biotite	0.33
	Plagioclase	18.20
	K-Feldspar	16.80
	Amphibole/Pyroxene	0.10
	Epidote	0.32
	Titanite/sphene	0.16
	Almandine	0.09
	Other Silicates	0.00
	Calcite	0.01
	Ankerite	0.00
	Dolomite	0.00
	Apatite	0.07
	Other	0.12
	Total	100.00
Mean Grain Size by Frequency (µm)	Chalcopyrite	0
	Other Cu Sulphides	0
	Pyrite/Marcasite	8
	Pyrrhotite	9
	Other_Sulphides	0
	Fe-Oxides	18
	Ilmenite	19
	Other_Oxides	11
	Quartz	22
	Chlorite/Clays	9
	Sericite/Muscovite	10
	Biotite	12
	Plagioclase	18
	K-Feldspar	20
	Amphibole/Pyroxene	10
	Epidote	15
	Titanite/sphene	9
	Almandine	10
	Other Silicates	8
	Calcite	19
	Ankerite	9
	Dolomite	0
	Apatite	12
	Other	10



Notes:
Fe = Iron.
ft BGS = feet below ground surface.
QEMSCAN = Quantitative Evaluation of Materials by Scanning Electron Microscopy
µm = micrometer

Table 6
Summary of QEMSCAN Analysis
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Location ID	Sample	WAMW-1	WGWC-21
Sample ID		WAMW-1 (84-89')	WGWC-21 (58.68-68.68')
Sample Depth		84 to 89 ft BGS	58.68 to 68.68 ft BGS
Sample Date		12/19/2024	12/19/2024
Fraction		-300/+3um	-300/+3um
Mass Size Distribution (%)		100	100
Calculated ESD Particle Size		32	31
Mineral Mass (%)	Chalcopyrite	0.02	0.00
	Other Cu Sulphides	0.00	0.00
	Pyrite/Marcasite	0.22	0.01
	Pyrrhotite	0.00	0.00
	Other_Sulphides	0.01	0.00
	Fe-Oxides	0.45	0.56
	Ilmenite	0.16	0.01
	Other_Oxides	0.79	0.58
	Quartz	32.9	47.7
	Chlorite/Clays	9.46	4.4
	Sericite/Muscovite	1.80	6.2
	Biotite	0.5	0.10
	Plagioclase	32.3	17.2
	K-Feldspar	4.63	22.33
	Amphibole/Pyroxene	14.33	0.12
	Epidote	1.34	0.07
	Titanite/sphene	0.41	0.20
	Almandine	0.15	0.07
	Other Silicates	0.11	0.05
	Calcite	0.15	0.13
	Ankerite	0.01	0.00
	Dolomite	0.00	0.00
	Apatite	0.13	0.11
	Other	0.12	0.18
	Total	100.0	100.0
Mean Grain Size by Frequency (µm)	Chalcopyrite	18	8
	Other Cu Sulphides	8	0
	Pyrite/Marcasite	23	12
	Pyrrhotite	8	8
	Other_Sulphides	10	10
	Fe-Oxides	13	13
	Ilmenite	16	9
	Other_Oxides	10	12
	Quartz	20	23
	Chlorite/Clays	12	11
	Sericite/Muscovite	9	10
	Biotite	10	11
	Plagioclase	22	17
	K-Feldspar	16	26
	Amphibole/Pyroxene	19	10
	Epidote	14	15
	Titanite/sphene	12	11
	Almandine	8	9
	Other Silicates	8	19
	Calcite	18	15
	Ankerite	8	8
	Dolomite	8	8
	Apatite	19	34
	Other	10	13



Notes:
Fe = Iron.
ft BGS = feet below ground surface.
QEMSCAN = Quantitative Evaluation of Materials by Scanning Electron Microscopy
µm = micrometer

Table 7
Summary of Sequential Extraction Procedure
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Location ID	SEP Fraction	SB-24	WAMW-1	WGWC-21
Sample Depth		31 to 37 ft BGS	84 to 89 ft BGS	58.68 to 68.68 ft BGS
Sample Date		12/4/2024	12/19/2024	12/19/2024
Analyte				
Aluminum	Water Soluble	130	120	100
	Exchangeable Metals	13	16	10
	Carbonates	170	470	300
	Fe/Mn oxides	1500	1500	1300
	Organics	400	550	310
	Residual	33000	33000	24000
Beryllium	Water Soluble	< 0.02	--	--
	Exchangeable Metals	< 0.02	--	--
	Carbonates	0.04	--	--
	Fe/Mn oxides	0.22	--	--
	Organics	0.03	--	--
	Residual	0.63	--	--
	Total	0.92	--	--
Cobalt	Water Soluble	0.02	--	--
	Exchangeable Metals	< 0.01	--	--
	Carbonates	0.25	--	--
	Fe/Mn oxides	0.34	--	--
	Organics	0.21	--	--
	Residual	0.77	--	--
	Total	1.59	--	--
Iron	Water Soluble	97	190	79
	Exchangeable Metals	9	24	7
	Carbonates	120	1200	1000
	Fe/Mn oxides	2000	3800	2300
	Organics	34	280	210
	Residual	7400	29000	5300
Lithium	Water Soluble	--	0.93	1.21
	Exchangeable Metals	--	0.75	0.70
	Carbonates	--	3	1.75
	Fe/Mn oxides	--	6.59	6.04
	Organics	--	3.96	2.50
	Residual	--	29	21
	Total	--	43	33
Manganese	Water Soluble	1.0	2.9	2.3
	Exchangeable Metals	3.3	3.3	6.6
	Carbonates	39	36	38
	Fe/Mn oxides	26	49	52
	Organics	1.5	11	7.1
	Residual	24	540	150

Notes:
All results are reported in µg of constituent per gram of total sample mass, which is equivalent to milligrams per kilogram (mg/kg) and parts per million (ppm).
-- = Indicates the parameter was not analyzed
< = Indicates the parameter was not detected above the analytical method detection limit (MDL).
SEP = sequential extraction procedure.
ft BGS = feet below ground surface.
Fe = Iron.
Mn = Manganese.

Table 8
Summary of Lithium Distribution in Minerals
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Mineral	Li (ppm)
Muscovite	154.89
Biotite	628.79
Biotite Mixed	735.78
Chlorite	673.91

Notes:
Li = Lithium
ppm = Parts per million
(1) All results are reported in ppm of total sample mass.

Table 9
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

	Sample Location	WGWA-1	WGWA-2	WGWA-3	WGWA-4	WGWA-6	WGWA-7	WGWA-18	WGWC-8	WGWC-9	WGWC-10	WGWC-11
	Sample Date	02/10/2025	02/10/2025	02/10/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/11/2025	02/13/2025	02/11/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	3.6	0.58	< 0.022	< 0.022
Calcium	mg/L	1.4	16	1.8	17	27	8.7	4.4	99	9.6	8.0	1.7
Chloride	mg/L	4.6	3.3	2.0	1.7	1.8	2.4	2.5	120	2.0	1.5	0.45 J
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.40	0.40	< 0.040	< 0.040
pH, Field	SU	5.4	6.44	5.25	7.58	8.01	6.08	5.74	5.23	5.86	6.27	5.54
Sulfate	mg/L	< 0.40	1.1	1.1	8.1	7.9	0.70 J	8.4	280	26	1.9	0.41 J
TDS	mg/L	37	120	34	110	120	84	46	630	140	58	35
APPENDIX IV												
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	0.0079	< 0.00034	< 0.00034
Arsenic	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	0.0012	< 0.00086	< 0.00086	< 0.00086
Barium	mg/L	0.049	0.023	0.014	0.0086 J	0.0091 J	0.011	0.014	0.0015 J	0.0018 J	0.032	0.053
Beryllium	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.0027	0.00035 J	< 0.00020	< 0.00020
Cadmium	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078
Chromium	mg/L	0.0012 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0036	< 0.0012
Cobalt	mg/L	0.00068 J	0.00034 J	< 0.00022	< 0.00022	< 0.00022	0.0017 J	0.00043 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022
Lead	mg/L	< 0.00021	< 0.00021	< 0.00021	0.0015	< 0.00021	< 0.00021	< 0.00021	0.00023 J	< 0.00021	< 0.00021	< 0.00021
Lithium	mg/L	0.0091	0.013	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0047 J	0.011	0.029	< 0.0020	< 0.0020
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080
Molybdenum	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	0.0033 J	< 0.00086	< 0.00086
Combined Radium 226 + 228	pCi/L	1.59	0.453 U	1.15	2.44	13.1	0.699	0.383 U	3.46	2.41	0.440 U	1.28
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	0.0048 J	0.0029 J	< 0.00099	< 0.00099
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.40	0.40	< 0.040	< 0.040
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	8.0	80	12	61	78	29	16	6.5	15	29	9.7
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	8.0	80	12	61	78	29	16	6.5	15	29	9.7
Iron	mg/L	< 0.012	< 0.012	< 0.012	1.0	0.29	0.17	0.050	< 0.012	< 0.012	< 0.012	< 0.012
Magnesium	mg/L	1.2	5.5	1.0	2.5	2.2	0.55	1.5	27	2.6	1.8	1.4
Manganese	mg/L	0.0086	0.032	0.0025 J	0.18	0.15	0.11	0.068	0.0076	0.023	0.015	0.0077
Potassium	mg/L	1.2	2.3	1.2	2.5	2.9	1.5	2.3	9.2	1.4	1.8	1.2
Sodium	mg/L	3.5	9.5	2.8	7.5	5.7	3.0	4.8	40	24	3.5	3.6
Sulfide	mg/L	< 0.83	< 0.81	< 0.81	< 0.82	< 0.81	< 0.89	< 0.83	< 0.83	< 0.83	< 0.89	< 0.83

Table 9
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

	Sample Location	WGWC-12	WGWC-13	WGWC-14A	WGWC-15	WGWC-16	WGWC-17	WGWC-19	WGWC-20	WGWC-21	WGWC-22	WGWC-23
	Sample Date	02/11/2025	02/12/2025	02/12/2025	02/13/2025	02/12/2025	02/11/2025	02/13/2025	02/12/2025	02/13/2025	02/12/2025	02/13/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	< 0.022	< 0.022	0.027 J	< 0.022	0.56	< 0.022	< 0.022	7.4	0.12	0.32	0.024 J
Calcium	mg/L	14	3.8	0.77	30	15	5.8	13	230	64	13	4.4
Chloride	mg/L	3.7	1.3	2.4	1.1	28	1.9	3.1	380	48	4.1	3.1
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	0.72	< 0.20	< 0.040	0.058 J	< 1.0	< 0.40	< 0.080	< 0.040
pH, Field	SU	6.63	6.32	5.44	7.87	5.42	6.26	6.7	5.33	6.63	5.47	5.58
Sulfate	mg/L	13	2.6	0.45 J	13	40	3.4	3.3	470	350	66	7.3
TDS	mg/L	96	84	28	140	120	81	100	1300	610	150	140
APPENDIX IV												
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034
Arsenic	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
Barium	mg/L	0.018	0.040	0.027	0.033	0.040	0.012	0.0077 J	< 0.00089	0.0038 J	0.022	0.015
Beryllium	mg/L	< 0.00020	< 0.00020	0.00027 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.011	0.00033 J	0.00061 J	0.0016 J
Cadmium	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	0.00045 J	< 0.000078	0.00011 J	< 0.000078
Chromium	mg/L	< 0.0012	0.0017 J	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0017 J
Cobalt	mg/L	0.00033 J	0.00029 J	0.0015 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	0.00022 J
Lead	mg/L	< 0.00021	0.00022 J	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	0.0020
Lithium	mg/L	0.0032 J	< 0.0020	< 0.0020	0.0052	0.0024 J	0.0034 J	0.060	0.14	0.065	0.0069	< 0.0020
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080
Molybdenum	mg/L	< 0.00086	0.0013 J	< 0.00086	0.0023 J	< 0.00086	0.0023 J	0.0014 J	0.00087 J	0.027	< 0.00086	< 0.00086
Combined Radium 226 + 228	pCi/L	0.892	0.589	0.968	1.11	1.14	0.639 U	0.187 U	1.12	1.70	4.31	1.31 U
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	0.0026 J	< 0.00099	0.0030 J	0.0031 J
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	0.72	< 0.20	< 0.040	0.058 J	< 1.0	< 0.40	< 0.080	< 0.040
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	44	32	11	97	11	47	80	8.9	96	21	26
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	44	32	11	97	11	47	80	8.9	96	21	26
Iron	mg/L	2.1	0.064	0.014 J	0.016 J	0.046 J	0.088	0.046 J	< 0.012	0.059	0.036 J	0.21
Magnesium	mg/L	3.0	0.57	0.71	4.9	5.4	3.4	9.8	50	7.5	3.4	0.77
Manganese	mg/L	0.011	0.0025 J	0.038	0.017	0.011	0.0095	0.011	0.46	0.16	0.0078	0.019
Potassium	mg/L	2.0	1.8	1.7	1.4	2.1	1.4	1.4	6.3	2.8	5.2	2.7
Sodium	mg/L	5.9	9.4	3.6	8.7	8.4	8.8	8.2	45	160	19	13
Sulfide	mg/L	< 0.89	< 0.81	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83	< 0.81	< 0.83	< 0.83	< 0.89

Table 9
Summary of Groundwater Analytical Data
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

	Sample Location	WGWC-24	WGWC-25	PZ-26D	WAMW-1	WAMW-2	WGWC-27	WGWC-28D	PZ-31	PZ-32D	PZ-33D	PZ-23D
	Sample Date	02/13/2025	02/12/2025	02/13/2025	02/12/2025	02/12/2025	02/12/2025	02/12/2025	2/13/2025	4/7/2025	4/7/2025	6/4/2025
ANALYTE	UNITS											
APPENDIX III												
Boron	mg/L	0.94	0.36	0.078 J	0.58	< 0.022	0.19	9.9	0.040	7.2	3.3	0.38
Calcium	mg/L	20	31	13	16	25	16	340	1.6	340	310	33
Chloride	mg/L	19	24	16	32	2.9	26	470	4.8	700	530	11
Fluoride	mg/L	< 0.20	< 0.20	< 0.080	< 0.20	0.13	< 0.080	< 4.0	< 0.040	< 2.0	< 2.0	2.8
pH, Field	SU	4.49	6.19	6.4	7.45	6.41	6.02	6.64	5.17	7.36	7.83	6.59
Sulfate	mg/L	79	17	24	37	4.1	27	300	0.62 J	440	330	< 0.81
TDS	mg/L	160	170	150	130	140	160	2000	38	1700	1500	190
APPENDIX IV												
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	NA	NA	NA
Arsenic	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	NA	NA	NA
Barium	mg/L	0.051	0.19	0.017	0.041	0.0093 J	0.0034 J	0.011	0.059	NA	NA	NA
Beryllium	mg/L	0.0055	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.0011 J	0.0020 J	0.00051 J	NA	NA	NA
Cadmium	mg/L	0.00018 J	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	NA	NA	NA
Chromium	mg/L	< 0.0012	< 0.0012	< 0.0012	0.0012 J	< 0.0012	< 0.0012	< 0.0012	<0.0012	NA	NA	NA
Cobalt	mg/L	0.039	0.0085	0.0011 J	< 0.00022	0.0010 J	0.0020 J	0.00024 J	0.0016 J	NA	NA	NA
Lead	mg/L	0.00050 J	0.00065 J	0.0010	< 0.00021	< 0.00021	< 0.00021	< 0.00021	0.00070 J	NA	NA	NA
Lithium	mg/L	0.0034 J	< 0.0020	0.024	< 0.0020	0.035	0.026	0.19	< 0.0020	0.14	0.091	0.065
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	NA	NA	NA
Molybdenum	mg/L	< 0.00086	< 0.00086	0.0027 J	< 0.00086	0.0023 J	< 0.00086	0.0088 J	< 0.00086	NA	NA	NA
Combined Radium 226 + 228	pCi/L	0.801	1.43	0.648	0.557	0.800	5.08	7.79	0.714	NA	NA	NA
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	NA	NA	NA
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	NA	NA	NA
Fluoride	mg/L	< 0.20	< 0.20	< 0.080	< 0.20	0.13	< 0.080	< 4.0	< 0.040	< 2.0	< 2.0	2.8
Additional Parameters												
Bicarbonate Alkalinity as CaCO3	mg/L	< 5.0	90	54	12	110	27	43	10	86	75	69
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Alkalinity as CaCO3	mg/L	< 5.0	90	54	12	110	27	43	10	86	75	69
Iron	mg/L	< 0.012	3.6	0.13	0.023 J	0.044 J	0.50	0.48	0.12	4.6	3.0	NA
Magnesium	mg/L	4.4	8.7	2.7	5.4	8.3	2.7	62	1.6	54	34	NA
Manganese	mg/L	1.3	1.3	0.027	0.010	0.12	0.26	1.0	0.11	5.2	2.2	NA
Potassium	mg/L	6.8	5.1	1.7	2.2	1.5	1.8	42	1.7	7.0	3.4	NA
Sodium	mg/L	7.6	6.9	22	8.9	8.8	13	120	2.4	73	46	NA
Sulfide	mg/L	< 0.83	< 0.83	< 0.89	< 0.81	< 0.83	< 0.83	1.5	< 0.83	< 0.83	< 0.81	NA

Notes:
mg/L - milligrams per liter
pCi/L - picocuries per liter
SU - Standard Units
NA - Indicates not analyzed
< indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit, but below the laboratory
H - Sample analysis performed beyond the recognized method holding time.
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.
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.
The pH value presented was recorded at the time of sample collection in the field.

Table 10a
Summary of Beryllium Sorption Test Results-pH adjusted
Georgia Power Company
Plant Wansley AP-1
Heard and Carroll Counties, Georgia

Groundwater Sample ID	Site Material Sample ID	Treatment	Day [3]	Replicate	Dissolved Beryllium (mg/L)	Sorbed Beryllium-Calculated (mg/kg) [4]	pH (s.u.)	ORP (mV)
WGWC-24 [1] Beryllium: .0055 mg/L pH: 4.72 s.u. ORP: 97.98 mV	SB-24 (31'-37') [2] Beryllium: 0.56 mg/kg	Concentration Level 1 [0.007 mg/L]	0	WC24 7/40 Ctrl 1	0.0069	--	5.14	265.30
				WC24 7/40 Ctrl 2	0.0063	--	5.12	265.30
				Average Result	**0.0066**	**--**	**5.13**	**265**
			7	WC24 7/40 Ctrl 1	0.0071	--	5.24	355.3
				WC24 7/40 Ctrl 2	0.0066	--	5.22	308.8
				SB24 7/40 1	<0.00027	0.0658 [5]	5.47	201.1
				SB24 7/40 2	<0.00027	0.0658	5.49	206.3
				Average Result	**<0.00027**	**0.0658**	**5.48**	**203.7**
		Concentration Level 2 [0.02 mg/L]	0	WC24 20/80 Ctrl	0.017	--	5.22	305.2
			7	WC24 20/80 Ctrl	0.016	--	5.07	255.2
				SB24 20/80 1	0.0007 J	0.1530	5.11	271.3
				SB24 20/80 2	0.00076 J	0.1524	5.05	267.0
				Average Result	**0.00073 J**	**0.1527**	**5.08**	**269.2**
		Concentration Level 3 [0.03 mg/L]	0	WC24 30/120 Ctrl	0.027	--	5.23	292.5
			7	WC24 30/120 Ctrl	0.025	--	5.08	248.9
				SB24 30/120 1	0.0012	0.2380	5.09	264.7
				SB24 30/120 2	0.0012	0.2380	4.98	277.0
				Average Result	**0.0012**	**0.2380**	**5.04**	**270.9**
		Concentration Level 4 [0.05 mg/L]	0	WC24 50/240 Ctrl	0.047	--	4.89	386.8
			7	WC24 50/240 Ctrl	0.040	--	5.08	246.2
				SB24 50/240 1	0.0026	0.3740	4.98	269.9
				SB24 50/240 2	0.0024	0.3760	5.05	268.1
				Average Result	**0.0025**	**0.3750**	**5.02**	**269.0**
		Concentration Level 5 [0.08 mg/L]	0	WC24 80/480 Ctrl	0.071	--	4.78	265.6
			7	WC24 80/480 Ctrl	0.064	--	5.07	245.6
				SB24 80/480 1	0.0029	0.6110	5.15	234.8
				SB24 80/480 2	0.0025	0.6150	5.20	233.0
				Average Result	**0.0027**	**0.6130**	**5.18**	**233.9**

Notes:
' = feet
-- = Not applicable
< = Indicates the constituent was not detected above the analytical method detection limit (MDL)
mg/L = milligrams per liter
mV = millivolts
ORP = oxidation reduction potential
s.u. = standard units
pH was adjusted using 1M hydrochloric acid.
Bracketed concentrations represent the target aqueous-phase concentrations at time zero.
Average result does not include the control.
J = value was above the method detection limit but below the reporting limit and is therefore considered an estimate
Control (Ctrl) reactors were set up with 200 mL of site groundwater. Test reactors were set up with 15 grams of site soil and 150 mL of water.
SB-24 material was collected proximate to WGWC-24 and depth of 31'-37' feet below ground surface.
Replicate names follow the format: location (SB-24), target beryllium level (µg/L)/target cobalt level (µg/L), and replicate number.
(1) Beryllium, ORP and pH values were collected during batch sample collection on 02/11/2025.
(2) Beryllium concentration is based on baseline samples submitted by the lab.
(3) Day 0 samples were collected approximately one hour after reactor setup.
(4,5) The sorbed concentration per unit mass of aquifer solids is calculated as shown in the equation below. An example of the calculations is also included below. Non-detect concentrations were assumed to be equal to the MDL for calculating sorbed mass.

$$S_{Solids} = \frac{(C_{Spike} - C_{\square}) \times M_{Water}}{M_{Solids} \times \rho_{Water}} \qquad S_{Solids} = \frac{((0.0071+0.0066)/2 - 0.00027) \times 150}{15 \times 1} = 0.0658$$

S_{solids} = sorbed concentration per unit mass of aquifer solids (mg/kg)
C_{Spike} = average concentration of groundwater only control system at Day 7, C = average final dissolved concentration at Day 7 in soil and groundwater systems (mg/L) $M_{Solids,Water}$ = mass of water (150 g) or aquifer solids (15 g) in reactor
ρ_{Water} = density of water (equal to 1 L/kg)

Table 10b
Summary of Beryllium Sorption Test Results-pH not adjusted
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Groundwater Sample ID	Site Material Sample ID	Treatment	Day	Replicate	Dissolved Beryllium (mg/L)	Sorbed Beryllium-Calculated (mg/kg) [3]	pH (s.u.)	ORP (mV)
WGWC-24 [1] Beryllium: .0055 mg/L pH: 4.49 s.u. ORP: 102.9 mV	SB-24 (31'-37') [2] Beryllium: 0.56 mg/kg	Concentration Level 1 [0.007 mg/L]	7	SB24 7/40 1	<0.00027	0.007	6.84	210.4
				SB24 7/40 2	<0.00027	0.007	6.92	209.7
				Average Result	**<0.00027**	**0.007[4]**	**6.88**	**210.1**
		Concentration Level 2 [0.02 mg/L]	7	SB24 20/80 1	<0.00027	0.020	6.74	214.0
				SB24 20/80 2	<0.00027	0.020	6.77	213.2
				Average Result	**<0.00027**	**0.020**	**6.76**	**213.6**
		Concentration Level 3 [0.03 mg/L]	7	SB24 30/120 1	<0.00027	0.030	6.83	212.7
				SB24 30/120 2	<0.00027	0.030	6.79	212.5
				Average Result	**<0.00027**	**0.030**	**6.81**	**212.6**
		Concentration Level 4 [0.05 mg/L]	7	SB24 50/240 1	<0.00027	0.050	6.83	200.8
				SB24 50/240 2	<0.00027	0.050	6.83	202.9
				Average Result	**<0.00027**	**0.050**	**6.83**	**201.9**
		Concentration Level 5 [0.08 mg/L]	7	SB24 80/480 1	<0.00027	0.080	6.61	231.0
				SB24 80/480 2	<0.00027	0.080	6.66	218.5
				Average Result	**<0.00027**	**0.080**	**6.64**	**224.8**
		Concentration Level 5 [0.750 mg/L]	7	SB24 750/0 1	0.052	6.980	6.25	253.4
		Concentration Level 6 [1.0 mg/L]	7	SB24 1000/0 1	0.012	9.880	6.19	226.0

Notes:
' = feet
< = Indicates the constituent was not detected above the analytical method detection limit (MDL).
mg/L = milligrams per liter
mg/kg = milligrams per kilogram
mV = millivolts
ORP = oxidation reduction potential
s.u. = standard units
Bracketed concentrations represent the target aqueous-phase concentrations at time zero.
Average result does not include the control.
Test reactors were set up with 15 grams of site soil and 150 mL of water.
SB-24 material was collected proximate to WGWC-24 and depth of 31'-37' feet below ground surface.
Replicate names follow the format: location (SB-24), target beryllium level (µg/L)/target cobalt level (µg/L), and replicate number.
(1) Beryllium, ORP and pH values were collected during batch sample collection on 02/11/2025.
(2) Beryllium concentration for SB-24 (31'-37') is based on baseline results from SiREM Laboratories.
(3,4) The sorbed concentration per unit mass of aquifer solids is calculated as shown in the equation below. An example of the calculations is also included below. Non-detect concentrations were assumed to be equal to the MDL for calculating sorbed mass.

$$S_{Solids} = \frac{(C_{Spike} - C_{\square}) \times M_{Water}}{M_{Solids} \times \rho_{Water}} \qquad S_{Solids} = \frac{(0.007 - 0.000027) \times 150}{15 \times 1} = 0.007$$

S_{solids} = sorbed concentration per unit mass of aquifer solids (mg/kg)
C_{Spike} = dissolved concentration of the initial spike, C = average final dissolved concentration at Day 7 in soil and groundwater systems (mg/L)
$M_{Solids,Water}$ = mass of water (150 g) or aquifer solids (15 g) in reactor
ρ_{Water} = density of water (equal to 1 L/kg)

Table 10c
Summary of Cobalt Sorption Test Results-pH adjusted
Georgia Power Company
Plant Wansley AP-1
Heard and Carroll Counties, Georgia

Groundwater Sample ID	Site Material Sample ID	Treatment	Day [3]	Replicate	Dissolved Cobalt (mg/L)	Sorbed Cobalt-Calculated (mg/kg) [4]	pH (s.u.)	ORP (mV)
WGWC-24 [1] Cobalt: .0039 mg/L pH: 4.72 s.u. ORP: 97.98 mV	SB-24 (31'-37') [2] Cobalt: 1.4 mg/kg	Concentration Level 1 [0.04 mg/L]	0	WC24 7/40 Ctrl 1	0.0440	--	--	--
				WC24 7/40 Ctrl 2	0.0410	--	--	--
				Average Result	**0.0425**	**--**	**5.12**	**265**
			7	WC24 7/40 Ctrl 1	0.0430	**--**	5.24	355.3
				WC24 7/40 Ctrl 2	0.0420	--	5.22	308.8
				SB24 7/40 1	0.0041	0.384[5]	5.47	201.1
				SB24 7/40 2	0.0056	0.3690	5.49	206.3
				Average Result	**0.0049**	**0.3765**	**5.48**	**203.7**
		Concentration Level 2 [0.08 mg/L]	0	WC24 20/80 Ctrl	0.0750	--	5.22	305.2
			7	WC24 20/80 Ctrl	0.0740	--	5.07	255.2
				SB24 20/80 1	0.0085	0.6550	5.11	271.3
				SB24 20/80 2	0.0097	0.6430	5.05	267.0
				Average Result	**0.0091**	**0.6490**	**5.08**	**269.2**
		Concentration Level 3 [0.12 mg/L]	0	WC24 30/120 Ctrl	0.1200	--	5.23	292.5
			7	WC24 30/120 Ctrl	0.1200	--	5.08	248.9
				SB24 30/120 1	0.0180	1.0200	5.09	264.7
				SB24 30/120 2	0.0140	1.0600	4.98	277.0
				Average Result	**0.0160**	**1.0400**	**5.04**	**270.9**
		Concentration Level 4 [0.24 mg/L]	0	WC24 50/240 Ctrl	0.2500	--	4.89	386.8
			7	WC24 50/240 Ctrl	0.2200	--	5.08	246.2
				SB24 50/240 1	0.0370	1.8300	4.98	269.9
				SB24 50/240 2	0.0330	1.8700	5.05	268.1
				Average Result	**0.0350**	**1.8500**	**5.02**	**269.0**
		Concentration Level 5 [0.48 mg/L]	0	WC24 80/480 Ctrl	0.4800	--	4.78	265.6
			7	WC24 80/480 Ctrl	0.4600	--	5.07	245.6
				SB24 80/480 1	0.0650	3.9500	5.15	234.8
				SB24 80/480 2	0.0540	4.0600	5.20	233.0
				Average Result	**0.0595**	**4.0050**	**5.18**	**233.9**

Notes:
' = feet
-- = Not applicable
< = Indicates the constituent was not detected above the analytical method detection limit (MDL)
mg/L = milligrams per liter
mV = millivolts
ORP = oxidation reduction potential
s.u. = standard units
pH was adjusted using 1M hydrochloric acid.
Bracketed concentrations represent the target aqueous-phase concentrations at time zero.
Average result does not include the control.
Control (Ctrl) reactors were set up with 200 mL of site groundwater. Test reactors were set up with 15 grams of site soil and 150 mL of water.
SB-24 material was collected proximate to WGWC-24 and depth of 31'-37' feet below ground surface.
Replicate names follow the format: location (SB-24), target beryllium level (µg/L)/target cobalt level (µg/L), and replicate number.
(1) Cobalt, ORP and pH values were collected during batch sample collection on 02/11/2025.
(2) Cobalt concentration is based on baseline samples submitted by the lab.
(3) Day 0 samples were collected approximately one hour after reactor setup.
(4,5) The sorbed concentration per unit mass of aquifer solids is calculated as shown in the equation below. An example of the calculations is also included below.

$$S_{Solids} = \frac{(C_{Spike} - C_{\square}) \times M_{Water}}{M_{Solids} \times \rho_{Water}} \qquad S_{Solids} = \frac{((0.043+0.042)/2 - 0.0041) \times 150}{15 \times 1} = 0.384$$

S_{solids} = sorbed concentration per unit mass of aquifer solids (mg/kg)
C_{Spike} = average concentration of groundwater only control system at Day 7, C = average final dissolved concentration at Day 7 in soil and groundwater systems (mg/L) $M_{Solids,Water}$ = mass of water (150 g) or aquifer solids (15 g) in reactor
ρ_{Water} = density of water (equal to 1 L/kg)

Table 10d
Summary of Cobalt Sorption Test Results-pH not adjusted
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Groundwater Sample ID	Site Material Sample ID	Treatment	Day	Replicate	Dissolved Cobalt (mg/L)	Sorbed Cobalt-Calculated (mg/kg) [3]	pH (s.u.)	ORP (mV)
WGWC-24 [1] Cobalt: .039 mg/L pH: 4.49 s.u. ORP: 102.9 mV	SB-24 (31'-37') [2] Cobalt: 1.4 mg/kg	Concentration Level 1 [0.040 mg/L]	7	SB24 7/40 1	0.00042 J	0.3958	6.84	210.4
				SB24 7/40 2	0.00042 J	0.3958	6.92	209.7
				Average Result	**0.00042 J**	**0.3958 [4]**	**6.88**	**210.1**
		Concentration Level 2 [0.08 mg/L]	7	SB24 20/80 1	0.00120	0.7880	6.74	214.0
				SB24 20/80 2	0.00110	0.7890	6.77	213.2
				Average Result	**0.00115**	**0.7885**	**6.76**	**213.6**
		Concentration Level 3 [0.12 mg/L]	7	SB24 30/120 1	0.00160	1.1840	6.83	212.7
				SB24 30/120 2	0.00170	1.1830	6.79	212.5
				Average Result	**0.00165**	**1.1835**	**6.81**	**212.6**
		Concentration Level 4 [0.24 mg/L]	7	SB24 50/240 1	0.00400	2.3600	6.83	200.8
				SB24 50/240 2	0.00410	2.3590	6.83	202.9
				Average Result	**0.00405**	**2.3595**	**6.83**	**201.9**
		Concentration Level 5 [0.48 mg/L]	7	SB24 80/480 1	0.01200	4.6800	6.61	231.0
				SB24 80/480 2	0.01100	4.6900	6.66	218.5
				Average Result	**0.01150**	**4.6850**	**6.64**	**224.8**

Notes:
' = feet
mg/L = milligrams per liter
mg/kg = milligrams per kilogram
mV = millivolts
ORP = oxidation reduction potential
s.u. = standard units
Bracketed concentrations represent the target aqueous-phase concentrations at time zero.
Average result does not include the control.
J = value was above the method detection limit but below the reporting limit and is therefore considered an estimate
Test reactors were set up with 15 grams of site soil and 150 mL of water.
SB-24 material was collected proximate to WGWC-24 and depth of 31'-37' feet below ground surface.
Replicate names follow the format: location (SB-24), target beryllium level (µg/L)/target cobalt level (µg/L), and replicate number.
(1) Cobalt, ORP and pH values were collected during batch sample collection on 02/11/2025.
(2) Cobalt concentration for SB-24 (31'-37') is based on baseline results from SiREM Laboratories.
(3,4) The sorbed concentration per unit mass of aquifer solids is calculated as shown in the equation below. An example of the calculations is also included below. Non-detect concentrations were assumed to be equal to the MDL for calculating sorbed mass.

$$S_{Solids} = \frac{(C_{Spike} - C_{\square}) \times M_{Water}}{M_{Solids} \times \rho_{Water}} \qquad S_{Solids} = \frac{(0.0.04 - 0.00042) \times 150}{15 \times 1} = 0.396$$

S_{solids} = sorbed concentration per unit mass of aquifer solids (mg/kg)
C_{Spike} = dissolved concentration of the initial spike, C = average final dissolved concentration at Day 7 in soil and groundwater systems (mg/L)
$M_{Solids,Water}$ = mass of water (150 g) or aquifer solids (15 g) in reactor
ρ_{Water} = density of water (equal to 1 L/kg)

Table 11a
Summary of Beryllium Desorption Test Results
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Groundwater Sample ID	Site Material Sample ID	Treatment [3]	Day [4]	Replicate	Dissolved Beryllium (mg/L)	pH (s.u.)	ORP (mV)
WGWA-18 [1] Beryllium: <0.00020 mg/L	SB-24 (31'-37') [2] Beryllium: 0.56 mg/kg	Unspiked systems with pH adjustment	0	WA18 Ctrl 1	<0.00027	5.12	280.6
				WA18 Ctrl 2	<0.00027	4.80	382.6
			7	WA18 Ctrl 1	<0.00027	5.26	348.3
				WA18 Ctrl 2	<0.00027	5.45	368.7
				Average Result	**<0.00027**	**5.36**	**358.5**
		Unspiked systems without pH adjustment	7	WA18 Ctrl 1	<0.00027	6.75	130.2
				WA18 Ctrl 2	<0.00027	6.89	129.6
		Concentration Level 1	7	SB24 7/40 1	0.0004 J	5.60	234.9
				SB24 7/40 2	0.00043 J	5.50	234.3
				Average Result	**0.00042 J**	**5.55**	**235**
		Concentration Level 2	7	SB24 20/80 1	0.00057 J	5.61	234.3
				SB24 20/80 2	0.00061 J	5.69	235.0
				Average Result	**0.00059 J**	**5.65**	**234.7**
		Concentration Level 3	7	SB24 30/120 1	0.00081 J	6.19	127.5
				SB24 30/120 2	0.00094 J	6.16	157.0
				Average Result	**0.00088 J**	**6.18**	**142.3**
		Concentration Level 4	7	SB24 50/240 1	0.0013	6.07	192.7
				SB24 50/240 2	0.0014	5.96	209.0
				Average Result	**0.0014**	**6.02**	**200.9**
		Concentration Level 5	7	SB24 80/480 1	0.0022	5.90	214.9
				SB24 80/480 2	0.0022	5.84	220.4
				Average Result	**0.0022**	**5.87**	**217.7**

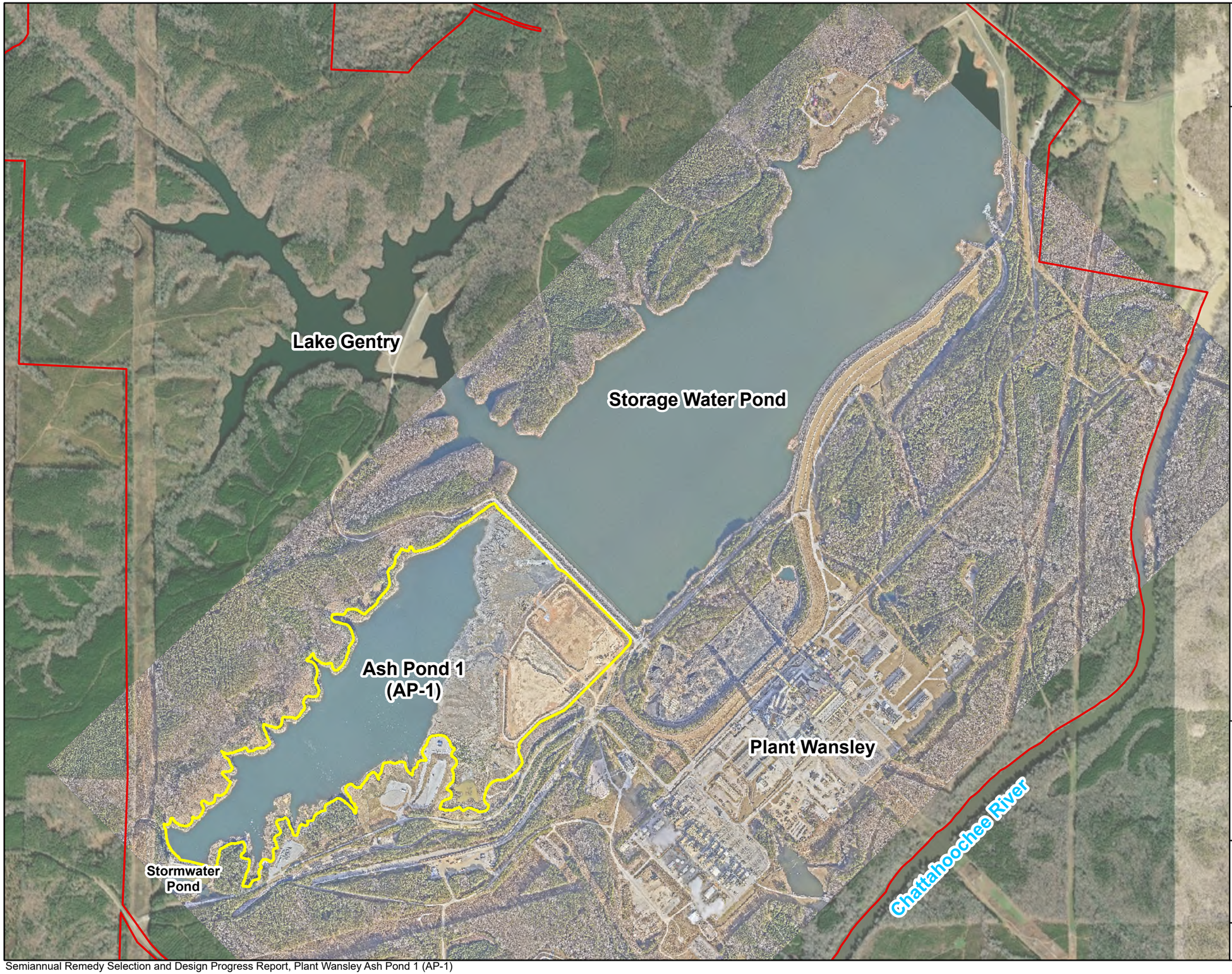
Notes:
-- = Not applicable
< = Indicates the constituent was not detected above the analytical method detection limit (MDL)
mg/L = milligrams per liter
mg/kg = milligrams per kilogram
mV = millivolts
ORP = oxidation reduction potential
s.u. = standard units
J = value was above the method detection limit but below the reporting limit and is therefore considered an estimate
Replicate names follow the format: location (SB-24), target beryllium (µg/L)/target cobalt (µg/L), and replicate number
pH was adjusted using 1M hydrochloric acid.
Average result does not include the control.
(1) Beryllium values were measured during batch sample collection on 02/11/2025.
(2) Beryllium concentration for SB-24 (31'-37') is based on baseline results from SiREM Laboratories.
(3) Soils recovered at the conclusion of the corresponding sorption reactor, and incubated with WGWA-18 and with pH adjustment.
(4) Day 0 samples were collected approximately one hour after reactor setup.

Table 11b
Summary of Cobalt Desorption Test Results
Georgia Power Company
Plant Wansley - Ash Pond 1
Heard and Carroll Counties, GA

Groundwater Sample ID	Site Material Sample ID	Treatment [3]	Day [4]	Replicate	Dissolved Cobalt (mg/L)	pH (s.u.)	ORP (mV)
WGWA-18 [1] Cobalt: 0.00025 mg/L	SB-24 (31'-37') [2] Cobalt: 1.4 mg/kg	Unspiked systems with pH adjustment	0	WA18 Ctrl 1	0.00024 J	5.12	280.6
				WA18 Ctrl 2	0.00025 J	4.80	382.6
			7	WA18 Ctrl 1	0.00031 J	5.26	348.3
				WA18 Ctrl 2	0.00032 J	5.45	368.7
				Average Result	**0.00032 J**	**5.36**	**358.5**
		Unspiked systems without pH adjustment	7	WA18 Ctrl 1	<0.000086	6.75	130.2
				WA18 Ctrl 2	<0.000087	6.89	129.6
		Concentration Level 1	7	SB24 7/40 1	0.0038	5.60	234.9
				SB24 7/40 2	0.0043	5.50	234.3
				Average Result	**0.0041**	**5.55**	**235**
		Concentration Level 2	7	SB24 20/80 1	0.0055	5.61	234.3
				SB24 20/80 2	0.0062	5.69	235.0
				Average Result	**0.0059**	**5.65**	**234.7**
		Concentration Level 3	7	SB24 30/120 1	0.010	6.19	127.5
				SB24 30/120 2	0.010	6.16	157.0
				Average Result	**0.010**	**6.18**	**142.3**
		Concentration Level 4	7	SB24 50/240 1	0.017	6.07	192.7
				SB24 50/240 2	0.019	5.96	209.0
				Average Result	**0.018**	**6.02**	**200.9**
		Concentration Level 5	7	SB24 80/480 1	0.047	5.90	214.9
				SB24 80/480 2	0.048	5.84	220.4
				Average Result	**0.048**	**5.87**	**217.7**

Notes:
-- = Not applicable
< = Indicates the constituent was not detected above the analytical method detection limit (MDL)
mg/L = milligrams per liter
mg/kg = milligrams per kilogram
mV = millivolts
ORP = oxidation reduction potential
s.u. = standard units
J = value was above the method detection limit but below the reporting limit and is therefore considered an estimate
Replicate names follow the format: location (SB-24), target beryllium (µg/L)/target cobalt (µg/L), and replicate number
pH was adjusted using 1M hydrochloric acid.
Average result does not include the control.
(1) Cobalt values were measured during batch sample collection on 02/11/2025.
(2) Cobalt concentration for SB-24 (31'-37') is based on baseline results from SiREM Laboratories.
(3) Soils recovered at the conclusion of the corresponding sorption reactor, and incubated with WGWA-18 and with pH adjustment.
(4) Day 0 samples were collected approximately one hour after reactor setup.

FIGURES



N

Legend

Approximate Property Boundary

Approximate AP-1 Boundary



Note:
1. Service Layer Credit Sources:
 - Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
 - Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 700 1,400 2,800

SCALE IN FEET

SITE LOCATION MAP

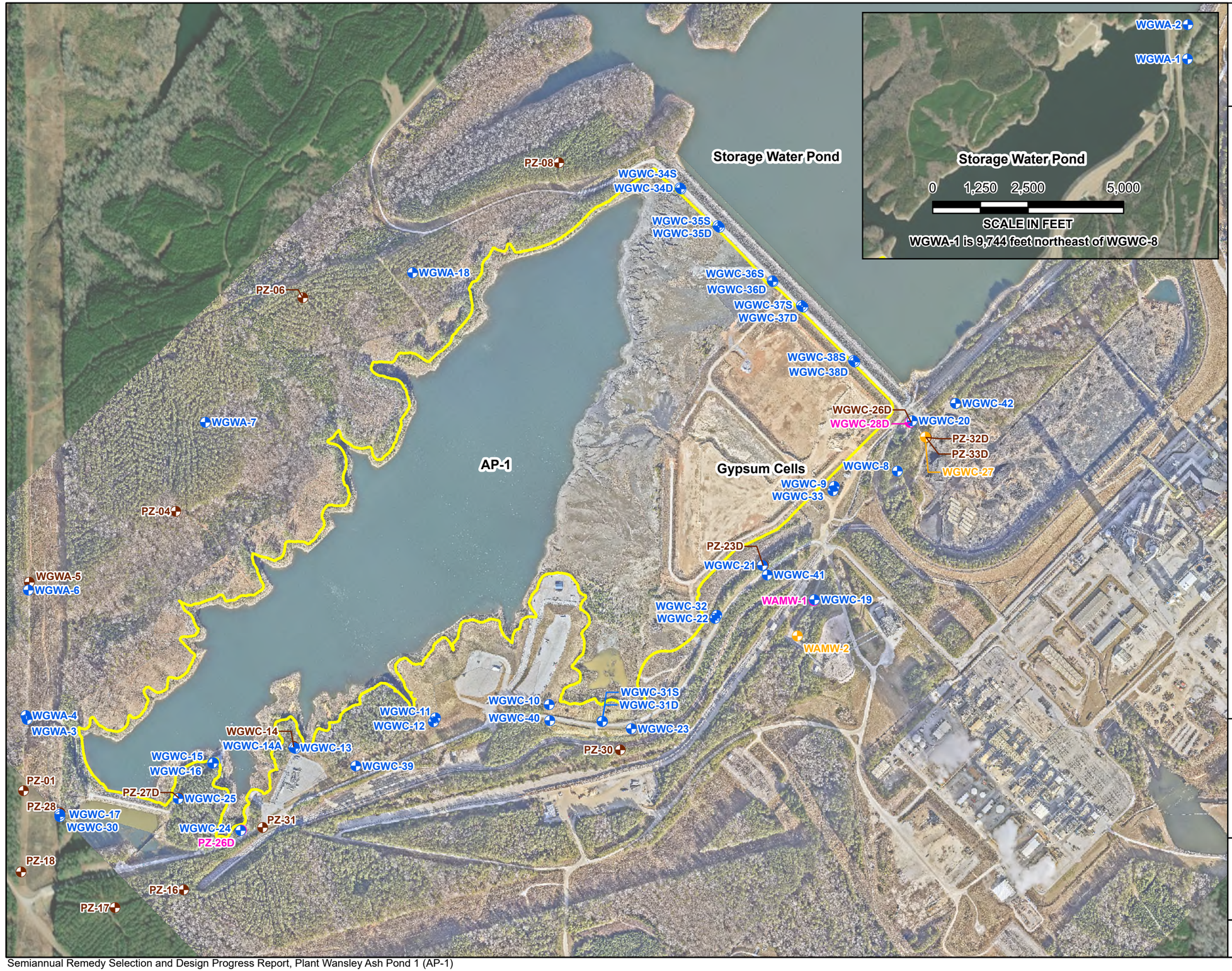
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

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FIGURE 1



N

Legend

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Approximate AP-1 Boundary

Notes:
1. Detection Monitoring Wells WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were installed December 2024. WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were installed between January and March 2025, following the semiannual monitoring event.
2. WGWC-37D (PZ-29D), WGWC-37S (PZ-29S), WGWC-39 (PZ-15), WGWC-40 (PZ-12), WGWC-41 (PZ-10), and WGWC-42 (PZ-20) were renamed and reclassified Detection Monitoring Wells.
3. Service Layer Credit Sources:
 - Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
 - Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 400 800 1,600
SCALE IN FEET

GROUNDWATER MONITORING WELL NETWORK MAP

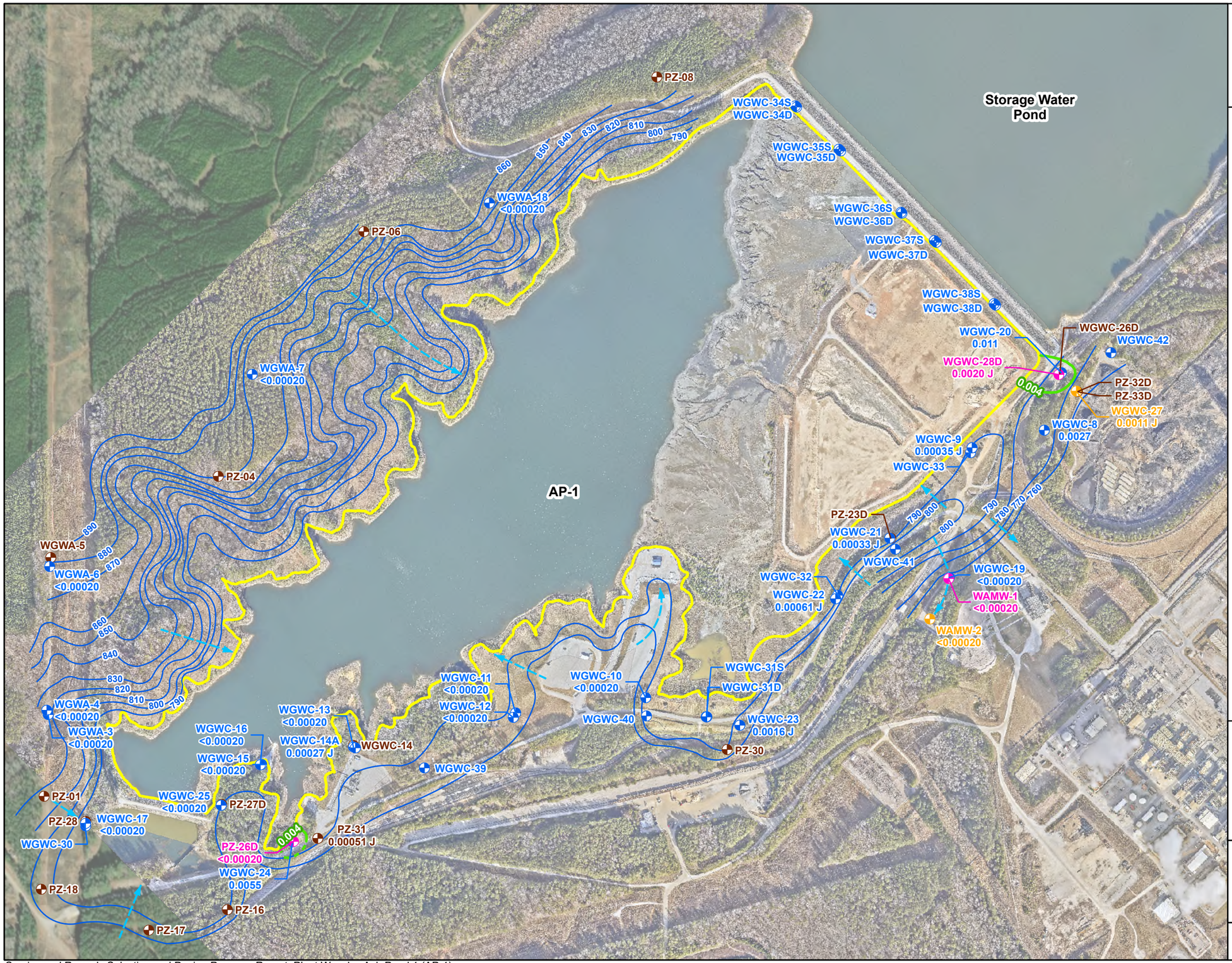
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

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
- Approximate Groundwater Flow Direction
- Approximate AP-1 Boundary
- 0.004 Beryllium GWPS Iso-Concentration Contour (mg/L)
- Beryllium GWPS Iso-Concentration Contour (mg/L) Inferred

Notes:
1. Concentration data from groundwater samples was collected during the February 2025, semiannual monitoring event.
2. Concentrations are reported in milligrams per liter (mg/L).
3. Water level elevation recorded on February 10, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
4. The Groundwater Protection Standard (GWPS) for Beryllium is 0.004 mg/L.
5. J - Estimated value and detected between the analytical method detection limit and the reporting limit.
6. Data reported for wells screened deeper in the aquifer were not used for iso-concentration contour (PZ-26D and WGWC-28D).
7. Detection Monitoring Wells WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were installed December 2024. WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were installed between January and March 2025, following the semiannual monitoring event.
8. WGWC-37D (PZ-29D), WGWC-37S (PZ-29S), WGWC-39 (PZ-15), WGWC-40 (PZ-12), WGWC-41 (PZ-10), and WGWC-42 (PZ-20) were renamed and reclassified Detection Monitoring Wells.
9. Service Layer Credit Sources:
 - Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
 - Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 400 800 1,600

SCALE IN FEET

ISO-CONCENTRATION MAP, BERYLLIUM - FEBRUARY 2025

GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | AUGUST 2025

FIGURE 3



Legend

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Groundwater Elevation Iso-Contour
- Approximate Groundwater Flow Direction
- Approximate AP-1 Boundary
- 0.0066 Cobalt GWPS Iso-Concentration Contour (mg/L)
- Cobalt GWPS Iso-Concentration Contour (mg/L) Inferred

Notes:
1. Concentration data from groundwater samples was collected during the February 2025, semiannual monitoring event.
2. Concentrations are reported in milligrams per liter (mg/L).
3. Water level elevation recorded on February 10, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
4. The Groundwater Protection Standard (GWPS) for Cobalt is 0.0066 mg/L.
5. J - Estimated value and detected between the analytical method detection limit and the reporting limit.
6. Data reported for wells screened deeper in the aquifer were not used for iso-concentration contour (PZ-26D and WGWC-28D).
7. Detection Monitoring Wells WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were installed December 2024. WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were installed between January and March 2025, following the semiannual monitoring event.
8. WGWC-37D (PZ-29D), WGWC-37S (PZ-29S), WGWC-39 (PZ-15), WGWC-40 (PZ-12), WGWC-41 (PZ-10), and WGWC-42 (PZ-20) were renamed and reclassified Detection Monitoring Wells.
9. Service Layer Credit Sources:
- Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
- Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 125 250 500

SCALE IN FEET

ISO-CONCENTRATION MAP, COBALT - FEBRUARY 2025

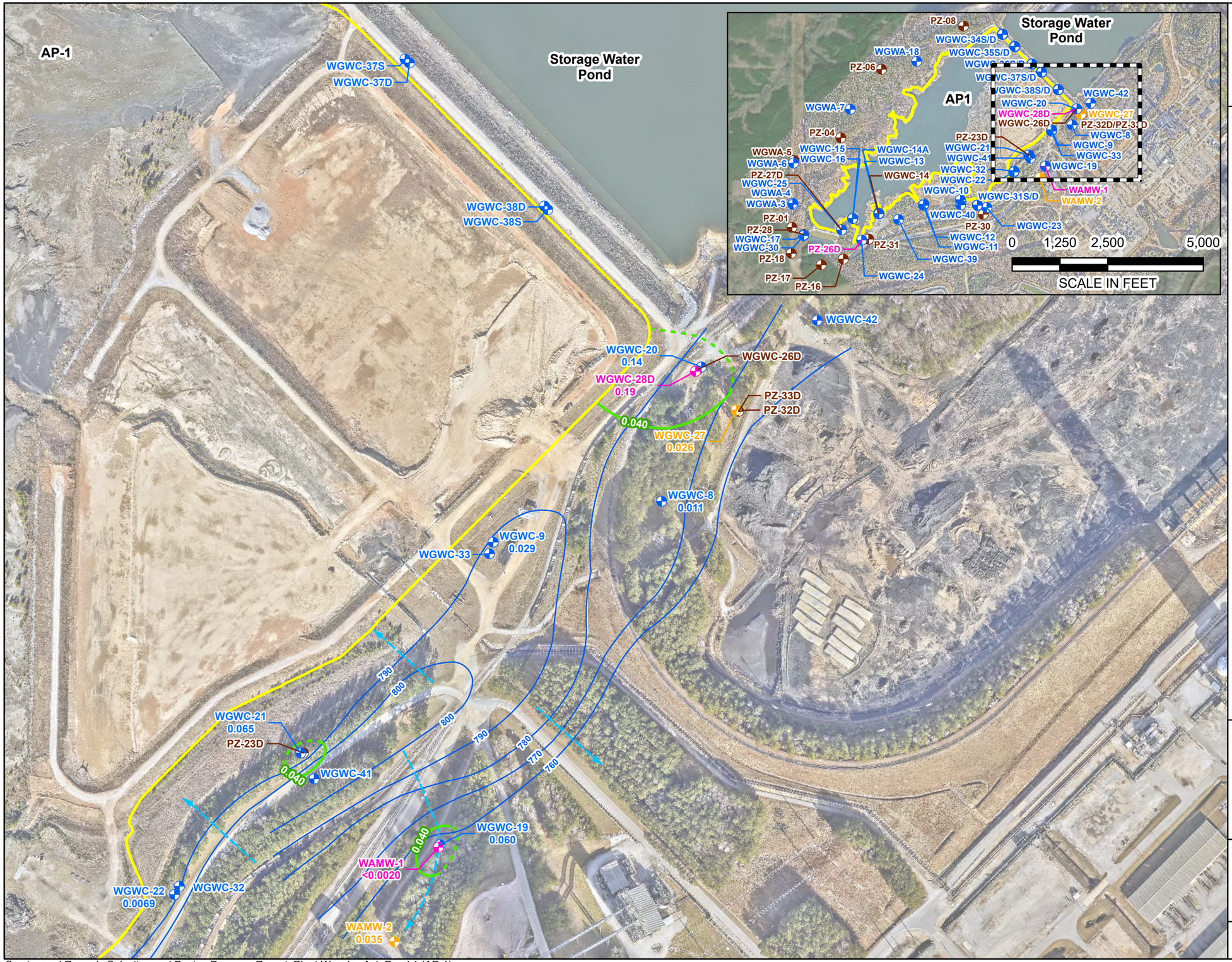
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA | AUGUST 2025

FIGURE 4



N

Legend

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Groundwater Elevation Iso-Contour
- Approximate Groundwater Flow Direction
- Approximate AP-1 Boundary
- 0.040 Lithium GWPS Iso-Concentration Contour (mg/L)
- Lithium GWPS Iso-Concentration Contour (mg/L) Inferred

Notes:
1. Concentration data from groundwater samples was collected during the February 2025, semiannual monitoring event.
2. Concentrations are reported in milligrams per liter (mg/L).
3. Water level elevation recorded on February 10, 2025. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
4. The Groundwater Protection Standard (GWPS) for Lithium is 0.040 mg/L.
5. Data reported for wells screened deeper in the aquifer were not used for iso-concentration contour (PZ-26D and WGWC-28D).
6. Detection Monitoring Wells WGWC-30, WGWC-31D, WGWC-31S, WGWC-32, and WGWC-33 were installed December 2024. WGWC-34D, WGWC-34S, WGWC-35D, WGWC-35S, WGWC-36D, WGWC-36S, WGWC-38D and WGWC-38S were installed between January and March 2025, following the semiannual monitoring event.
7. WGWC-37D (PZ-29D), WGWC-37S (PZ-29S), WGWC-39 (PZ-15), WGWC-40 (PZ-12), WGWC-41 (PZ-10), and WGWC-42 (PZ-20) were renamed and reclassified Detection Monitoring Wells.
8. Service Layer Credit Sources:
- Immediate vicinity of AP-1: SAM LLC, January 6, 2025.
- Surrounding area: SAM LLC, January 30, 2024, and Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

0 150 300 600
SCALE IN FEET

ISO-CONCENTRATION MAP, LITHIUM - FEBRUARY 2025

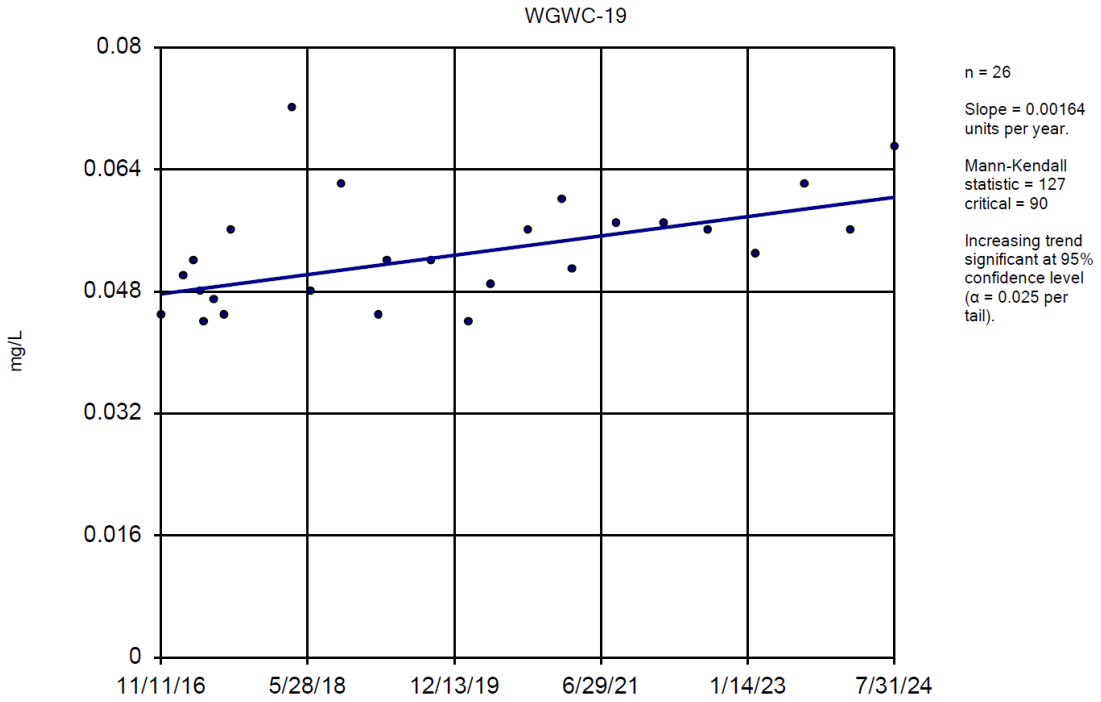
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTIES, GEORGIA

Prepared For: Georgia Power
Prepared By: Geosyntec consultants

KENNESAW, GA | AUGUST 2025

FIGURE 5

Lithium



Notes:

1. Groundwater trends completed by Groundwater Stats Consulting using groundwater data collected for the full monitoring period through the February 2025 semiannual sampling event.
2. Trends shown are in wells where statistically significant levels (SSLs) have been identified.
3. mg/L = milligrams per liter

Lithium Concentration Trends
WGWC-19
Georgia Power Company
Plant Wansley AP-1
Putnam County, Georgia

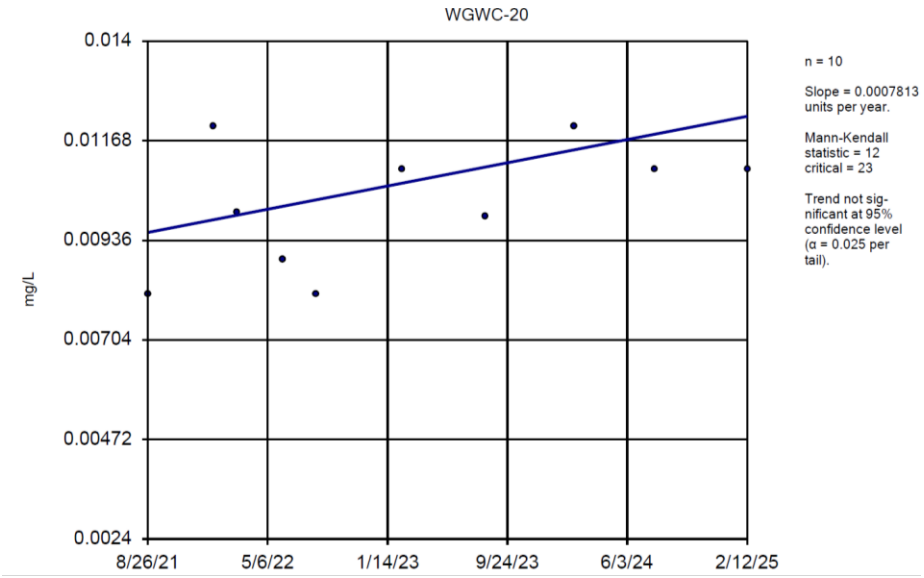
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

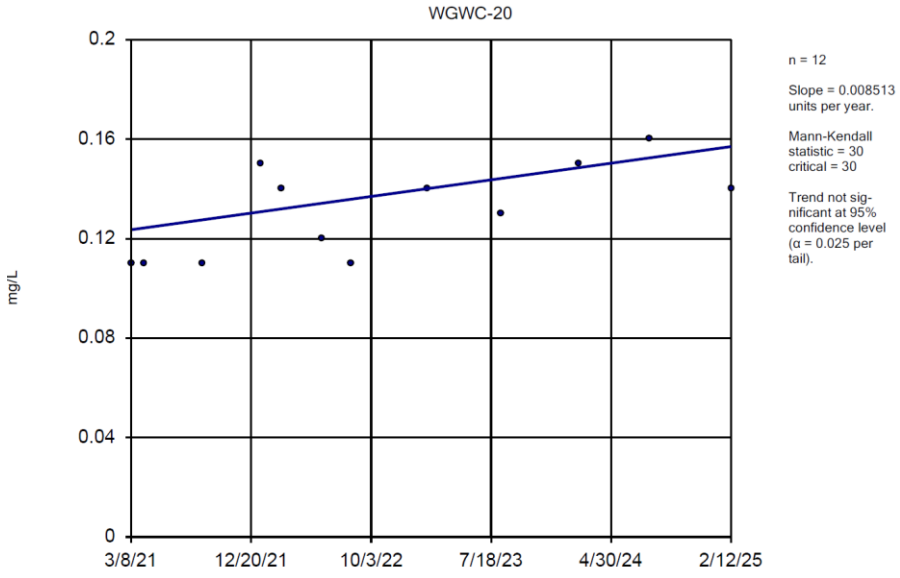
Kennesaw, GA | August 2025

Figure 6a

Beryllium



Lithium



Notes:

1. Groundwater trends completed by Groundwater Stats Consulting using groundwater data collected for the full monitoring period through the February 2025 semiannual sampling event.
2. Trends shown are in wells where statistically significant levels (SSLs) have been identified.
3. mg/L = milligrams per liter

Beryllium and Lithium Concentration Trends
WGWC-20
Georgia Power Company
Plant Wansley AP-1
Putnam County, Georgia

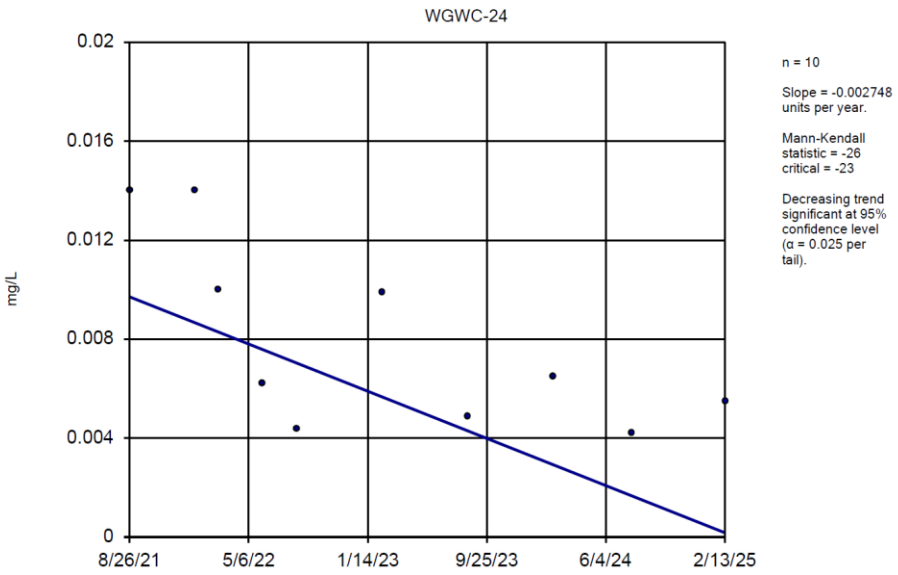
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

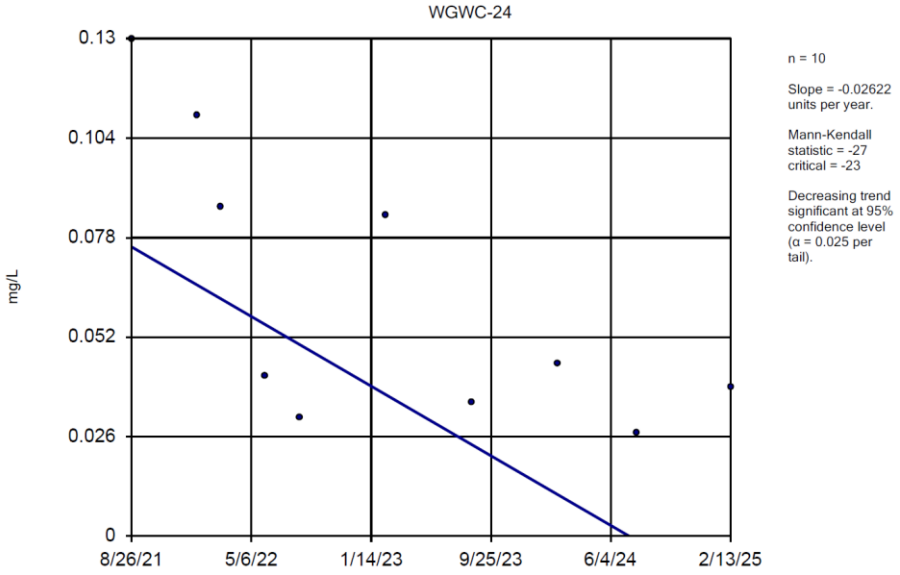
Kennesaw, GA | August 2025

Figure 6b

Beryllium



Cobalt



Notes:

1. Groundwater trends completed by Groundwater Stats Consulting using groundwater data collected for the full monitoring period through the February 2025 semiannual sampling event.
2. Trends shown are in wells where statistically significant levels (SSLs) have been identified.
3. mg/L = milligrams per liter

Beryllium and Cobalt Concentration Trends
WGWC-24
Georgia Power Company
Plant Wansley AP-1
Putnam County, Georgia

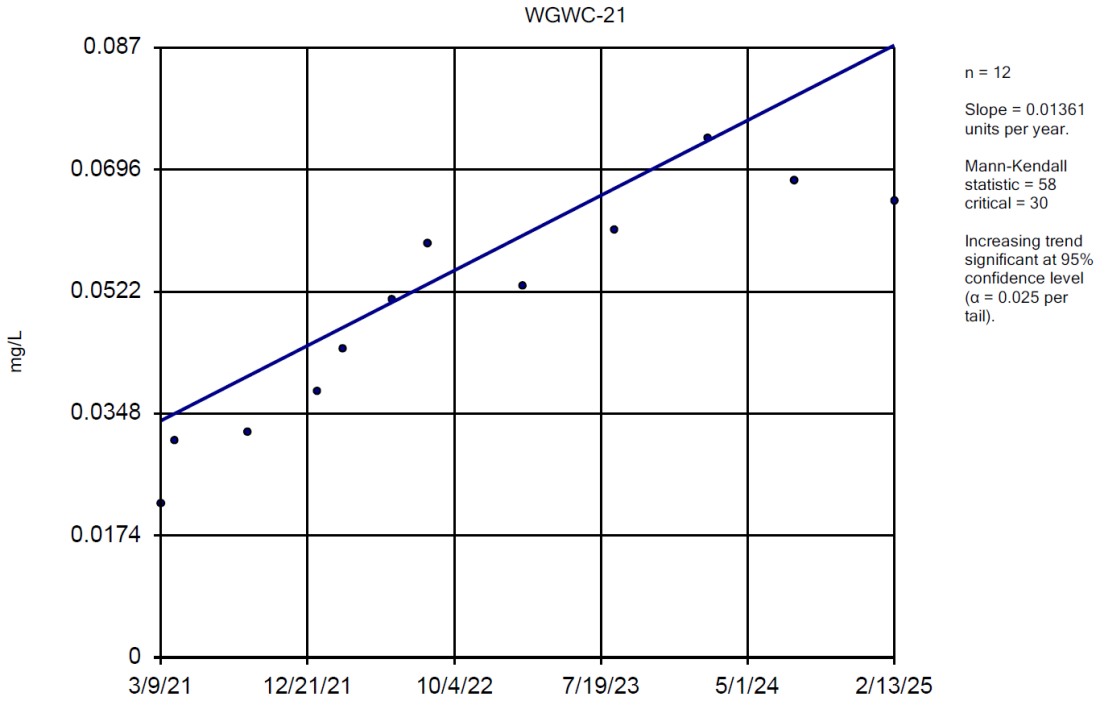
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

Kennesaw, GA | August 2025

Figure 6c

Lithium



Notes:

1. Groundwater trends completed by Groundwater Stats Consulting using groundwater data collected for the full monitoring period through the February 2025 semiannual sampling event.
2. Trends shown are in wells where statistically significant levels (SSLs) have been identified.
3. mg/L = milligrams per liter

Lithium Concentration Trends
WGWC-21
Georgia Power Company
Plant Wansley AP-1
Putnam County, Georgia

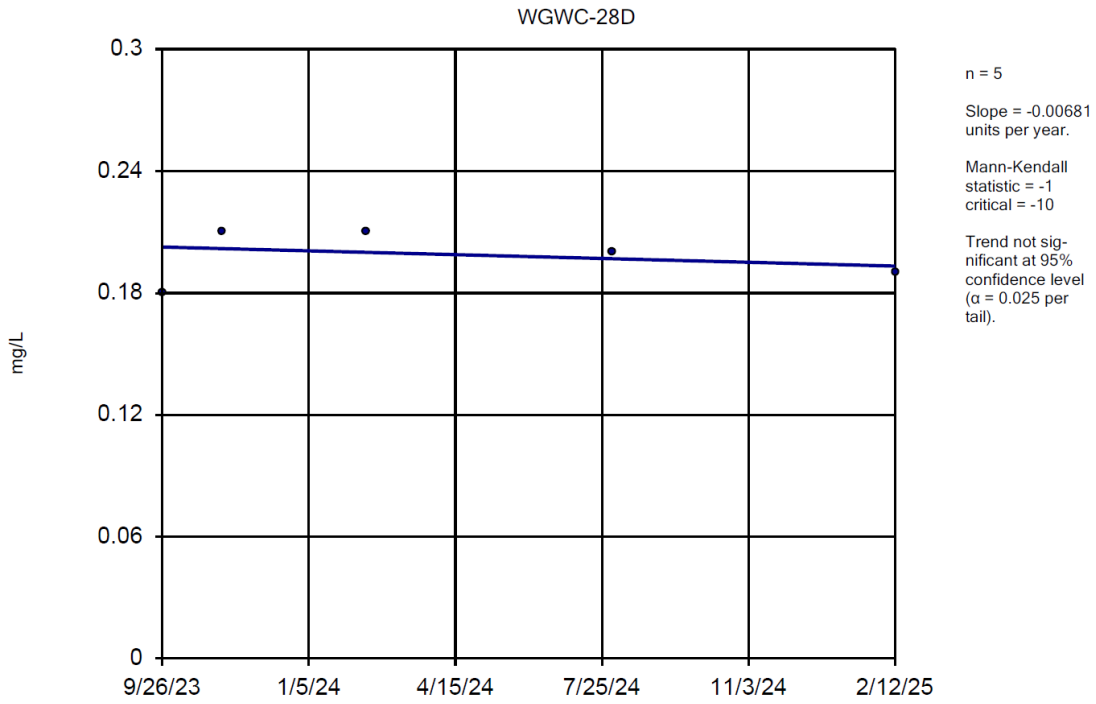
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

Kennesaw, GA | August 2025

Figure 6d

Lithium



Notes:

1. Groundwater trends completed by Groundwater Stats Consulting using groundwater data collected for the full monitoring period through the February 2025 semiannual sampling event.
2. Trends shown are in wells where statistically significant levels (SSLs) have been identified.
3. mg/L = milligrams per liter

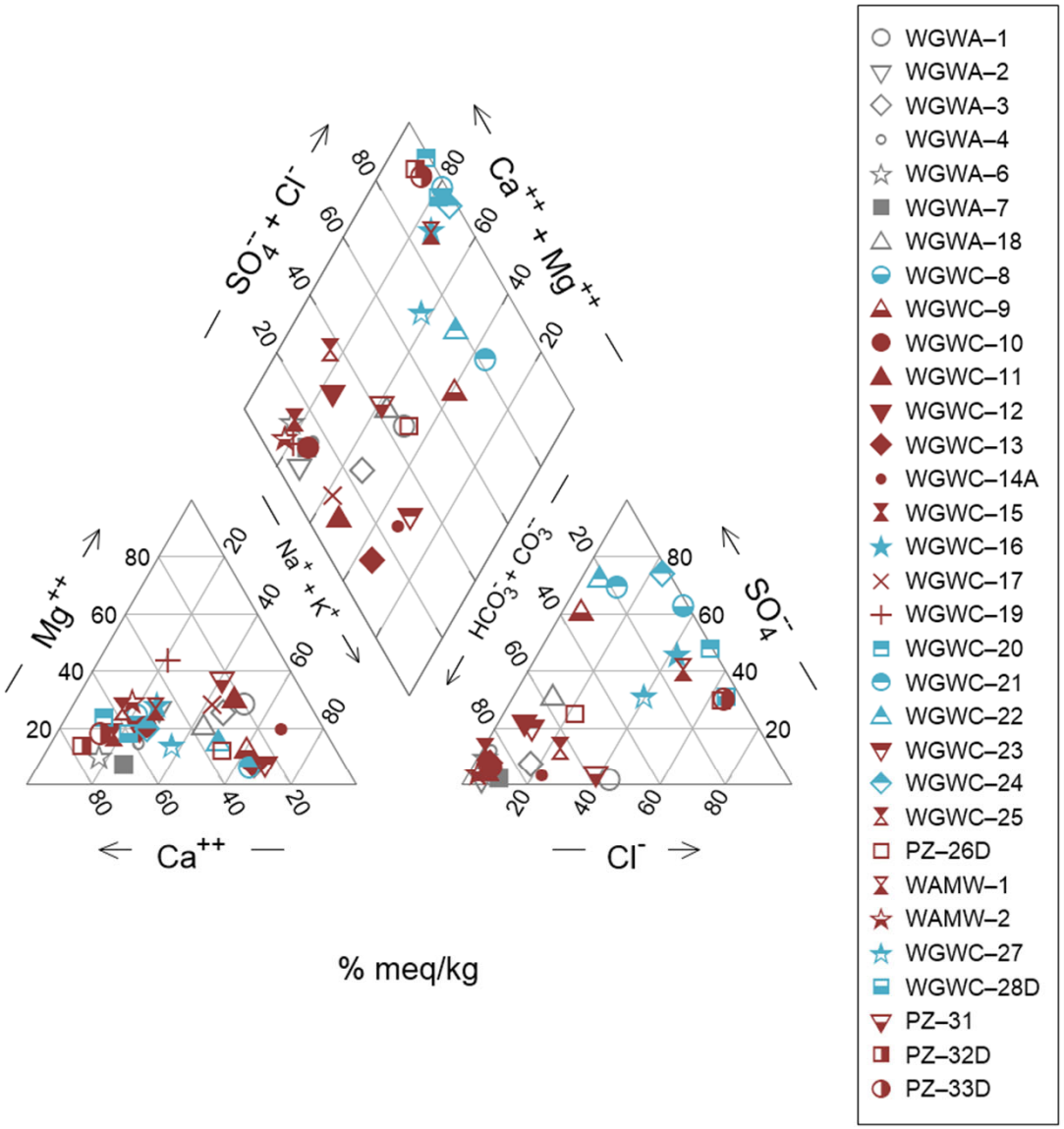
Lithium Concentration Trends
WGWC-28D
Georgia Power Company
Plant Wansley AP-1
Putnam County, Georgia

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

Kennesaw, GA | August 2025

Figure 6e



Notes:

1. Analytical data collected for all wells in February 2025, with the exception of PZ-32D and PZ-33D, where the analytical data were obtained in April 2025.

Piper Diagrams

Georgia Power Company
Plant Wansley AP-1
Heard and Carroll County, Georgia

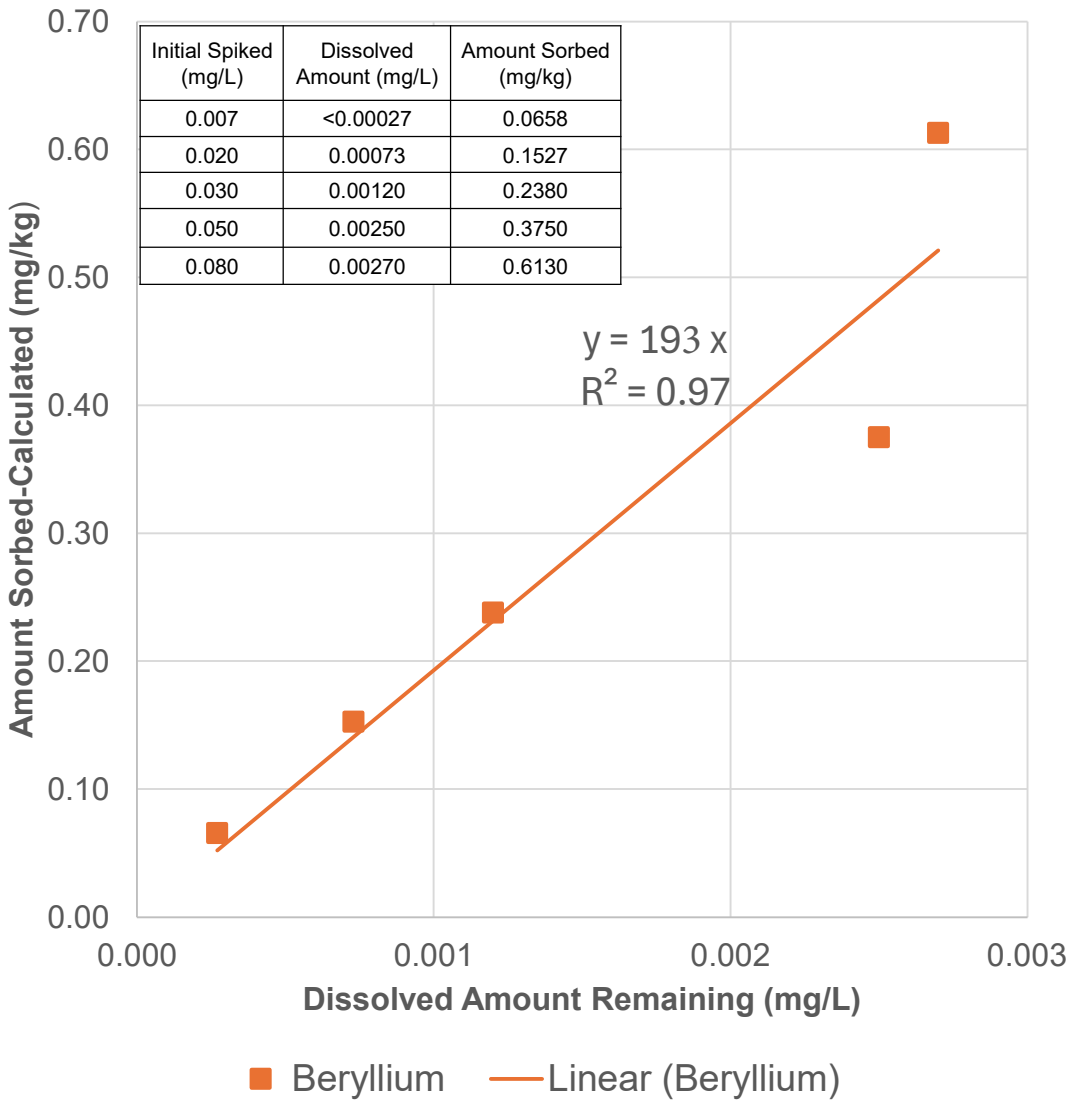
Prepared For: Georgia Power

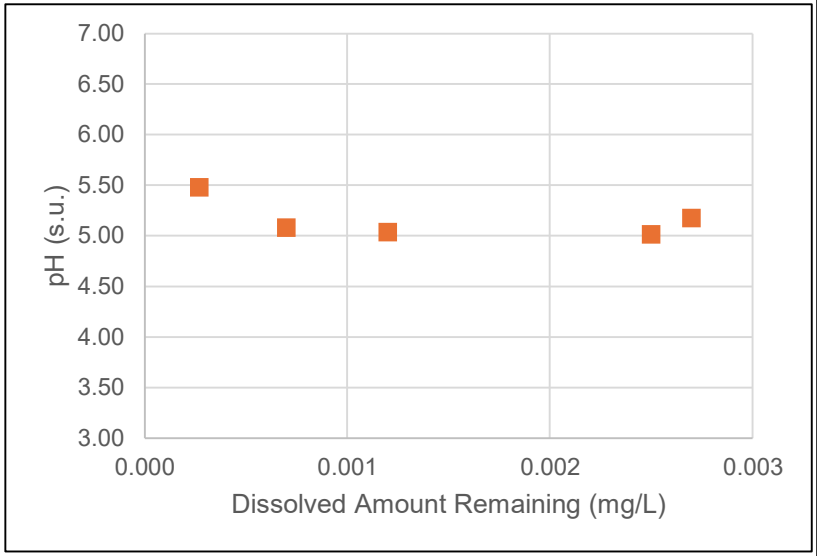
Prepared By: Geosyntec consultants

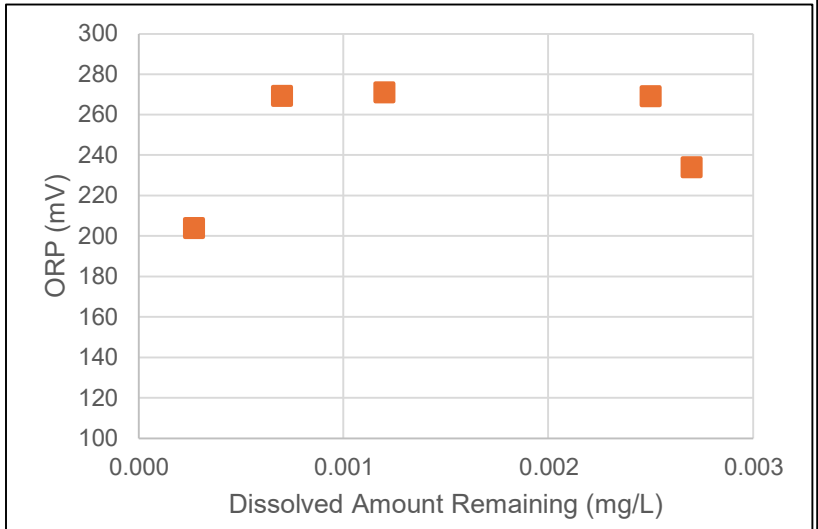
Kennesaw, GA | August 2025

FIGURE 7

Initial Spiked (mg/L)	Dissolved Amount (mg/L)	Amount Sorbed (mg/kg)
0.007	<0.00027	0.0658
0.020	0.00073	0.1527
0.030	0.00120	0.2380
0.050	0.00250	0.3750
0.080	0.00270	0.6130







Notes:
1. mg/L = milligrams of constituent per liter; mg/kg = milligrams of constituent per kilogram of aquifer solids.
2. The distribution coefficient (K_d) is the ratio of sorbed and dissolved concentrations under equilibrium conditions. The bulk K_d is equal to the slope [151] of a line through individual measurements of sorbed and dissolved concentrations.
3. Non-detect concentrations are plotted as the method detection limit.
4. s.u. = standard units
5. mV = millivolts

BERYLLIUM SORPTION TEST RESULTS-PH ADJSUTED

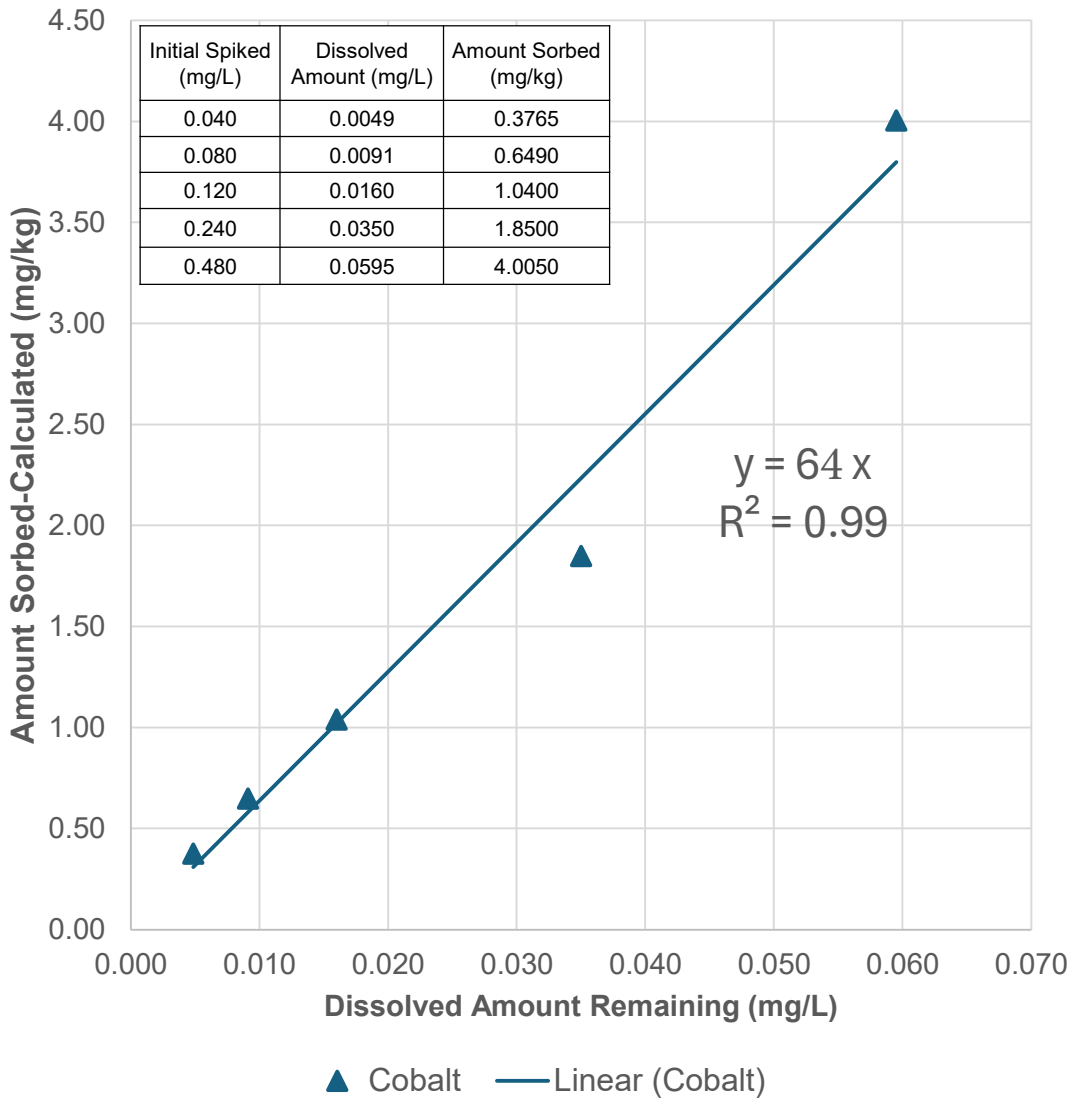
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTY, GEORGIA

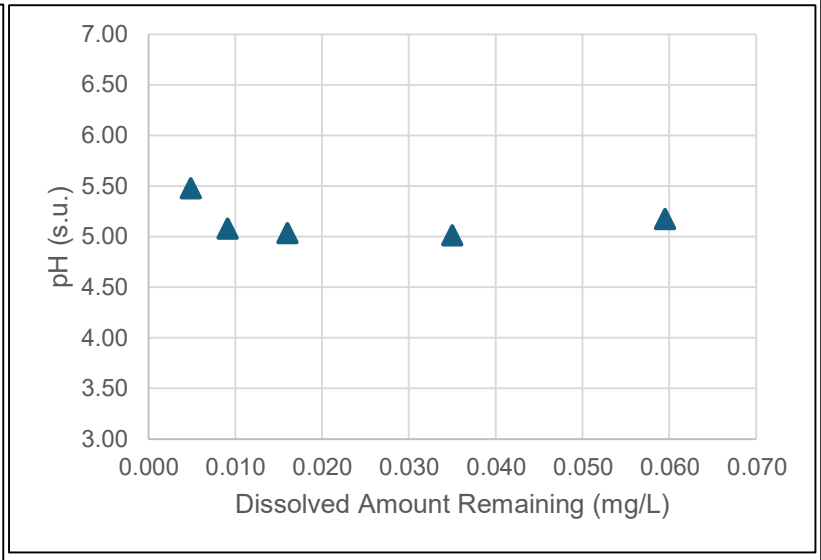
Prepared For: Georgia Power
Prepared By: Geosyntec consultants

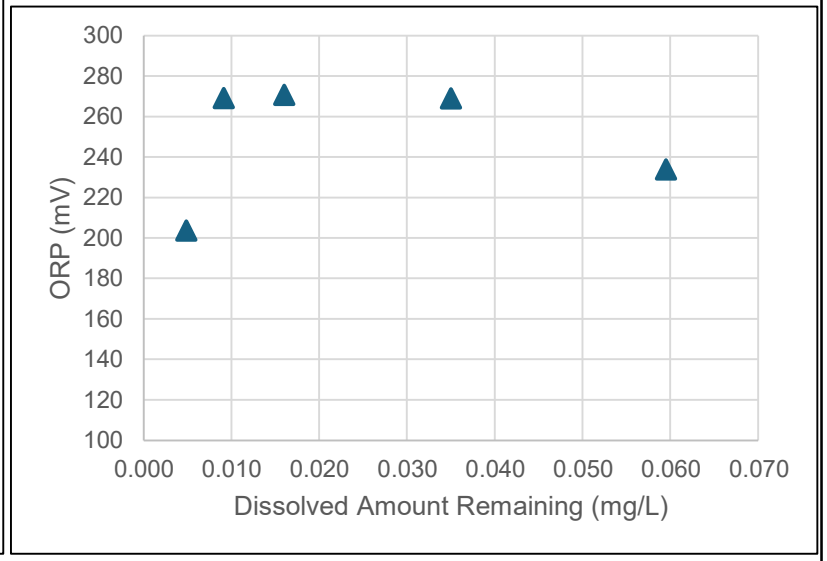
KENNESAW, GA | AUGUST 2025

Figure 8a

Initial Spiked (mg/L)	Dissolved Amount (mg/L)	Amount Sorbed (mg/kg)
0.040	0.0049	0.3765
0.080	0.0091	0.6490
0.120	0.0160	1.0400
0.240	0.0350	1.8500
0.480	0.0595	4.0050







Notes:
1. mg/L = milligrams of constituent per liter; mg/kg = milligrams of constituent per kilogram of aquifer solids.
2. The distribution coefficient (K_d) is the ratio of sorbed and dissolved concentrations under equilibrium conditions. The bulk K_d is equal to the slope [63] of a line through individual measurements of sorbed and dissolved concentrations.
3. s.u. = standard units
4. mV = millivolts

COBALT SORPTION TEST RESULTS-PH ADJUSTED

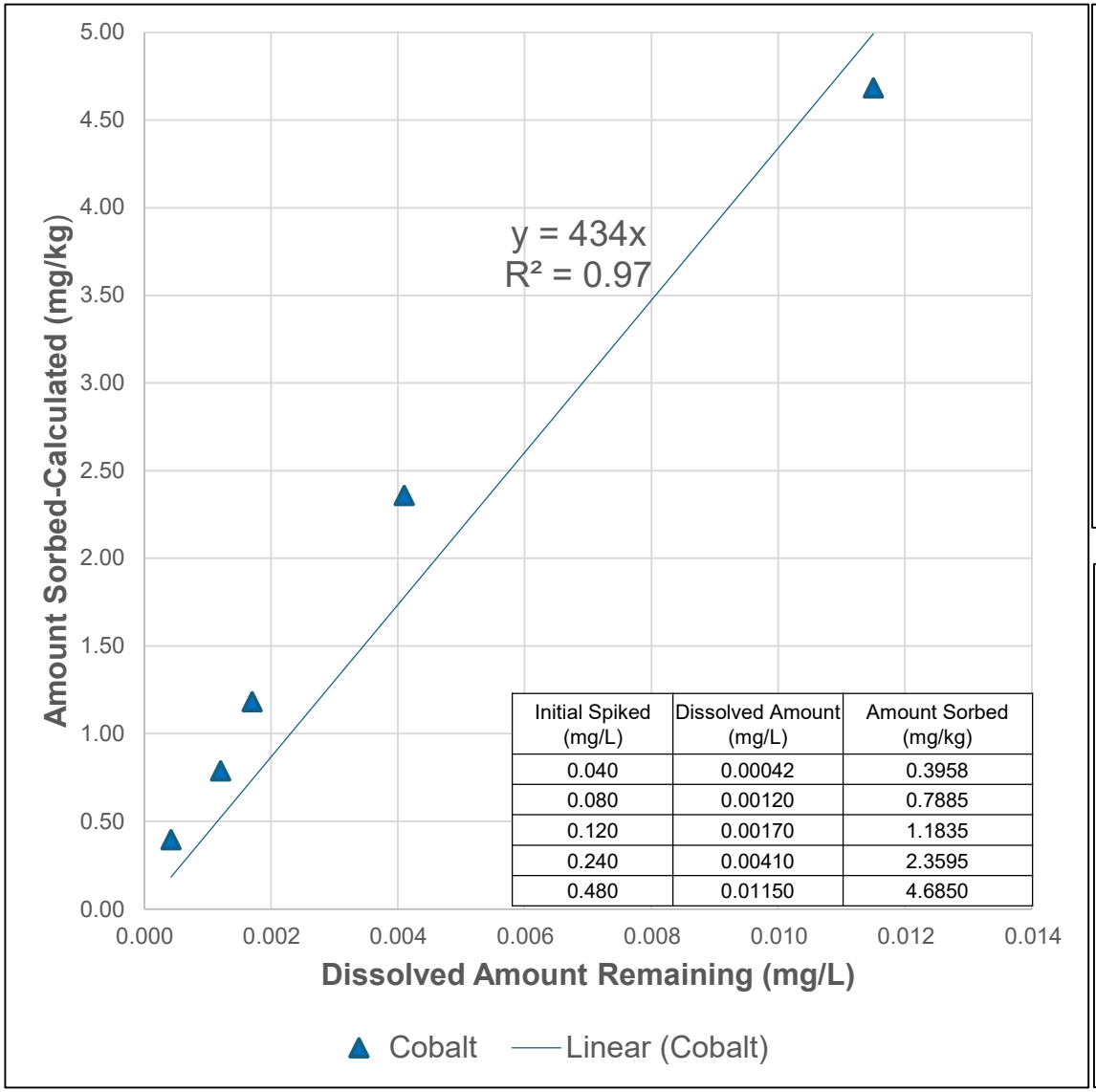
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTY, GEORGIA

Prepared For: Georgia Power

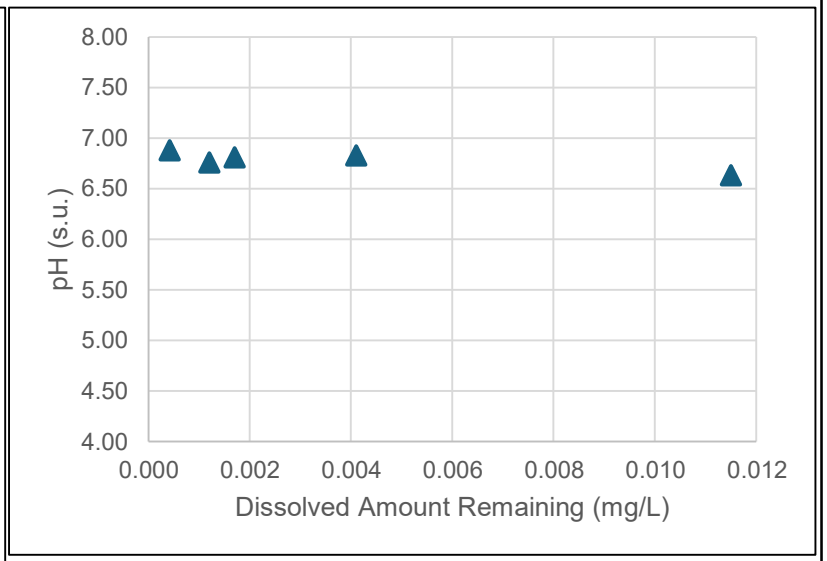
Prepared By: Geosyntec consultants

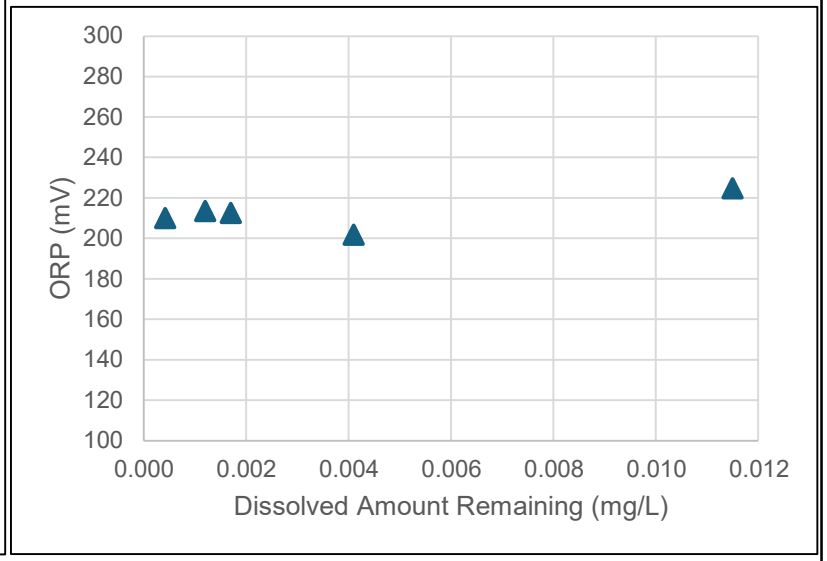
KENNESAW, GA | AUGUST 2025

Figure 8b



Initial Spiked (mg/L)	Dissolved Amount (mg/L)	Amount Sorbed (mg/kg)
0.040	0.00042	0.3958
0.080	0.00120	0.7885
0.120	0.00170	1.1835
0.240	0.00410	2.3595
0.480	0.01150	4.6850





Notes:
1. mg/L = milligrams of constituent per liter; mg/kg = milligrams of constituent per kilogram of aquifer solids.
2. The distribution coefficient (K_d) is the ratio of sorbed and dissolved concentrations under equilibrium conditions. The bulk K_d is equal to the slope [434] of a line through individual measurements of sorbed and dissolved concentrations.
3. s.u. = standard units
4. mV = millivolts

COBALT SORPTION TEST RESULTS-
PH NOT ADJUSTED
GEORGIA POWER COMPANY
PLANT WANSLEY AP-1
HEARD AND CARROLL COUNTY, GEORGIA

Prepared For: Georgia Power
Prepared By: Geosyntec consultants

KENNESAW, GA | AUGUST 2025

Figure 8c

APPENDIX A
Analytical Laboratory Reports

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Trace Metals - Strong Acid Digest, ICP-MS

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd, Kennesaw
USA, 30144
Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19524-DEC24**
Reference: GW11293 - WO-GW11293-3399

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10
Ag [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	< 0.5	< 0.5
Al [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	50000	61000
As [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	< 0.5	1.1
Ba [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	224	198
Be [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	1.2	6.3
Bi [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	0.16	0.35
Ca [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	24000	5400
Cd [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	0.10	0.05
Co [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	15	1.1
Cr [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	138	125
Cu [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	41	4.6
Fe [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	37000	9700
K [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	7000	39000
Li [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	41	40
Mg [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	9900	1100

OnLine LIMS

0004906880

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Trace Metals - Strong Acid Digest, ICP-MS

Project : WO-GW11293-3399

LR Report : **CA19524-DEC24**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Mn [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	660	324
Mo [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	2.7	20.2
Ni [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	22	2.2
Pb [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	8	22
Sb [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	< 0.8	< 0.8
Se [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	0.1	0.1
Sn [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	< 6	14
Sr [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	155	52
Ti [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	2600	1100
Tl [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	0.34	1.4
U [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	0.91	8.07
V [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	110	5.8
Y [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	13.4	63.5
Zn [µg/g]	08-Jan-25	14:02	10-Jan-25	08:37	56	24

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004906850

Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)
Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Trace Metals - Strong Acid Digest, ICP-MS

Project : WO-GW11293-3399

LR Report : **CA19524-DEC24**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0053-JAN25*													
Calcium	3	µg/g	<3			2		102					
Potassium	3	µg/g	<3			5		102					
Metals - Microwave/ICP-MS - QCBatchID: EMS0053-JAN25													
Aluminum	3	µg/g	<3			1	20	104	70	130			
Antimony	0.8	µg/g	<0.8			ND	20	105	70	130			
Arsenic	0.5	µg/g	<0.5			2	20	98	70	130			
Barium	0.01	µg/g	<0.01			0	20	97	70	130			
Beryllium	0.02	µg/g	<0.02			17	20	95	70	130			
Bismuth	0.09	µg/g	<0.09			ND	20	99	70	130			
Cadmium	0.02	µg/g	<0.02			15	20	104	70	130			
Chromium	0.5	µg/g	<0.5			1	20	101	70	130			
Cobalt	0.01	µg/g	<0.01			0	20	98	70	130			
Copper	0.1	µg/g	<0.1			10	20	99	70	130			
Iron	3	µg/g	<3			19	20	102	70	130			
Lead	0.05	µg/g	<0.05			ND	20	98	70	130			
Lithium	2	µg/g	<2			2	20	96	70	130			
Magnesium	3	µg/g	<0.1			0	20	104	70	130			
Manganese	0.1	µg/g	<0.1			2	20	102	70	130			
Molybdenum	0.1	µg/g	<0.1			3	20	98	70	130			
Nickel	0.1	µg/g	<0.1			0	20	102	70	130			
Selenium	0.1	µg/g	<0.1			2	20	102	70	130			
Silver	0.5	µg/g	<0.01			ND	20	107	70	130			
Strontium	0.02	µg/g	<0.02			1	20	101	70	130			
Thallium	0.02	µg/g	<0.02			ND	20	NV	70	130			
Tin	6	µg/g	<6			ND	20	106	70	130			
Titanium	0.1	µg/g	<0.1			18	20	98	70	130			
Uranium	0.002	µg/g	<0.002			2	20	102	70	130			
Vanadium	1	µg/g	<1			5	20	99	70	130			
Yttrium	0.004	µg/g	<0.004			5	20	98	70	130			
Zinc	0.7	µg/g	<0.7			0	20	104	70	130			

OnLine LIMS

0004906850

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Trace Metals - Strong Acid Digest, ICP-MS

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd
Kennesaw, Georgia
30144, USA

Phone: 678-718-4771
Fax:

Date Rec. : 19 December 2024
LR Report: **CA19476-DEC24**
Reference: GW11293
WO-GW11293-3399

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-24 (31-37')
Sample Date & Time					04-Dec-24 11:00
Ag [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	< 0.5
Al [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	67000
As [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	0.6
Ba [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	1400
Be [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	1.5
Bi [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	< 0.09
Ca [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	7700
Cd [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	0.03
Co [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	1.3
Cr [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	18
Cu [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	2.2
Fe [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	11000
K [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	23000
Li [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	12
Mg [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	1500
Mn [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	92
Mo [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	0.5
Ni [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	2.2
Pb [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	29
Sb [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	< 0.8
Se [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	< 0.1
Sn [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	< 6
Sr [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	308
Ti [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	1700
Tl [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	0.68
U [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	1.2
V [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	10
Y [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	3.9
Zn [µg/g]	27-Dec-24	11:43	30-Dec-24	07:21	63

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004007118

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Trace Metals - Strong Acid Digest, ICP-MS

Project : WO-GW11293-3399

LR Report : **CA19476-DEC24**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
**QCR_SubCategory* - QCBatchID: EMS0269-DEC24*													
Calcium	3	µg/g	<3			2		107			93		
Potassium	3	µg/g	<3			1		107			95		
Metals - Microwave/ICP-MS - QCBatchID: EMS0269-DEC24													
Aluminum	3	µg/g	<3			2	20	106	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	108	70	130	105	70	130
Arsenic	0.5	µg/g	<0.5			4	20	108	70	130	92	70	130
Barium	0.01	µg/g	<0.01			1	20	103	70	130	98	70	130
Beryllium	0.02	µg/g	<0.02			10	20	97	70	130	81	70	130
Bismuth	0.09	µg/g	<0.09			4	20	103	70	130	NV	70	130
Cadmium	0.02	µg/g	<0.02			16	20	106	70	130	NV	70	130
Chromium	0.5	µg/g	<0.5			19	20	107	70	130	81	70	130
Cobalt	0.01	µg/g	<0.01			0	20	109	70	130	90	70	130
Copper	0.1	µg/g	<0.1			3	20	105	70	130	93	70	130
Iron	3	µg/g	<3			1	20	107	70	130	97	70	130
Lead	0.05	µg/g	<0.05			1	20	108	70	130	102	70	130
Lithium	2	µg/g	<2			0	20	99	70	130	95	70	130
Magnesium	3	µg/g	<3			2	20	106	70	130	93	70	130
Manganese	0.1	µg/g	<0.1			1	20	110	70	130	95	70	130
Molybdenum	0.1	µg/g	<0.1			1	20	99	70	130	87	70	130
Nickel	0.1	µg/g	<0.1			0	20	108	70	130	99	70	130
Selenium	0.1	µg/g	<0.1			5	20	109	70	130	NV	70	130
Silver	0.5	µg/g	<0.5			ND	20	107	70	130	NV	70	130
Strontium	0.02	µg/g	<0.02			1	20	105	70	130	96	70	130
Thallium	0.02	µg/g	<0.02			4	20	NV	70	130	NV	70	130
Tin	6	µg/g	<6			ND	20	103	70	130	NV	70	130
Titanium	0.1	µg/g	<0.1			5	20	95	70	130	80	70	130
Uranium	0.002	µg/g	<0.002			0	20	104	70	130	96	70	130
Vanadium	1	µg/g	<1			3	20	107	70	130	93	70	130
Yttrium	0.004	µg/g	<0.004			2	20	108	70	130	NV	70	130
Zinc	0.7	µg/g	<0.7			3	20	106	70	130	91	70	130

OnLine LIMS

0004007118

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SGS Canada Inc.
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Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd
Kennesaw, Georgia
30144, USA

Phone: 678-718-4771
Fax:

Date Rec. : 19 December 2024
LR Report: **CA19483-DEC24**
Reference: GW11293 - WO-GW11293-3399

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-24 (31-37')
Sample Date & Time					04-Dec-24 11:00
SiO2 [%]	27-Dec-24	08:31	30-Dec-24	16:38	73.5
Al2O3 [%]	27-Dec-24	08:31	30-Dec-24	16:38	13.4
Fe2O3 [%]	27-Dec-24	08:31	30-Dec-24	16:38	1.68
MgO [%]	27-Dec-24	08:31	30-Dec-24	16:38	0.29
CaO [%]	27-Dec-24	08:31	30-Dec-24	16:38	0.96
Na2O [%]	27-Dec-24	08:31	30-Dec-24	16:38	3.34
K2O [%]	27-Dec-24	08:31	30-Dec-24	16:38	4.14
TiO2 [%]	27-Dec-24	08:31	30-Dec-24	16:38	0.29
P2O5 [%]	27-Dec-24	08:31	30-Dec-24	16:38	0.07
MnO [%]	27-Dec-24	08:31	30-Dec-24	16:38	< 0.01
Cr2O3 [%]	27-Dec-24	08:31	30-Dec-24	16:38	< 0.01
V2O5 [%]	27-Dec-24	08:31	30-Dec-24	16:38	< 0.01
LOI [%]	27-Dec-24	08:31	30-Dec-24	16:38	1.29
Sum [%]	27-Dec-24	08:31	30-Dec-24	16:38	99.0

Whole Rock Analysis

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004007128

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
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Phone: 705-652-2000 FAX: 705-652-6365

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd, Kennesaw
USA, 30144
Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19531-DEC24**
Reference: GW11293
WO-GW11293-3399

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')	7: WGWC-20 (33-38')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10	19-Dec-24 15:20
SiO2 [%]	06-Jan-25	11:14	07-Jan-25	11:06	65.5	75.9	76.9
Al2O3 [%]	06-Jan-25	11:14	07-Jan-25	11:06	14.4	12.3	12.7
Fe2O3 [%]	06-Jan-25	11:14	07-Jan-25	11:06	5.61	1.40	1.06
MgO [%]	06-Jan-25	11:14	07-Jan-25	11:06	2.79	0.18	0.05
CaO [%]	06-Jan-25	11:14	07-Jan-25	11:06	4.06	0.75	0.53
Na2O [%]	06-Jan-25	11:14	07-Jan-25	11:06	4.51	3.29	3.57
K2O [%]	06-Jan-25	11:14	07-Jan-25	11:06	0.93	4.88	4.60
TiO2 [%]	06-Jan-25	11:14	07-Jan-25	11:06	0.44	0.19	0.11
P2O5 [%]	06-Jan-25	11:14	07-Jan-25	11:06	0.08	0.03	0.02
MnO [%]	06-Jan-25	11:14	07-Jan-25	11:06	0.11	0.04	0.07
Cr2O3 [%]	06-Jan-25	11:14	07-Jan-25	11:06	0.01	0.02	0.02
V2O5 [%]	06-Jan-25	11:14	07-Jan-25	11:06	0.02	< 0.01	< 0.01
LOI [%]	06-Jan-25	11:14	07-Jan-25	11:06	1.66	0.94	0.92
Sum [%]	06-Jan-25	11:14	07-Jan-25	11:06	100.2	99.9	100.5

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004006884

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Quantitative X-Ray Diffraction by Rietveld Refinement

Report Prepared for:	*Geosyntec Consultant* *1255 Roberts Blvd Kennesaw, Georgia 30144, USA*
Project Number/ LIMS No.	*Custom XRD/CA19484-DEC24/MI4504-JAN25*
Sample Receipt:	*December 30, 2024*
Sample Analysis:	*January 15, 2025*
Reporting Date:	*January 15, 2025*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions:	Co radiation, 35 kV, 40 mA; Detector: LYNXEYE_XE_T Regular Scanning: Step: 0.02°, Step time:0.5s, 2θ range: 6-80°
Interpretations :	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). Diffrac Eva and Topas software.
Detection Limit :	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Quantitative XRD Results
3) XRD Pattern(s)

Zhihai (Adrian) Zhang, Ph.D
Mineralogist

Kim Gibbs, H.B.Sc., P.Geo.
Senior Mineralogist

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Method Summary

The Rietveld Method of Mineral Identification by XRD (ME-LR-MIN-MET-MN-D05) method used by SGS Natural Resources is accredited to the requirements of ISO/IEC 17025.

Mineral Identification and Interpretation:

Mineral identification and interpretation involves matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds, except when internal standards have been added by request. Mineral proportions may be strongly influenced by crystallinity, crystal structure and preferred orientations. Mineral or compound identification and quantitative analysis results should be accompanied by supporting chemical assay data or other additional tests.

Quantitative Rietveld Analysis:

Quantitative Rietveld Analysis is performed by using Diffrac Topas 7 (Bruker), a graphics based profile analysis program built around a non-linear least squares fitting system, to determine the amount of different phases present in a multicomponent sample. Whole pattern analyses are predicated by the fact that the X-ray diffraction pattern is a total sum of both instrumental and specimen factors. Unlike other peak intensity-based methods, the Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the obtained experimental patterns.

Rietveld refinement is completed with a set of minerals specifically identified for the sample. Zero values indicate that the mineral was included in the refinement calculations, but the calculated concentration was less than 0.05wt%. Minerals not identified by the analyst are not included in refinement calculations for specific samples and are indicated with a dash.

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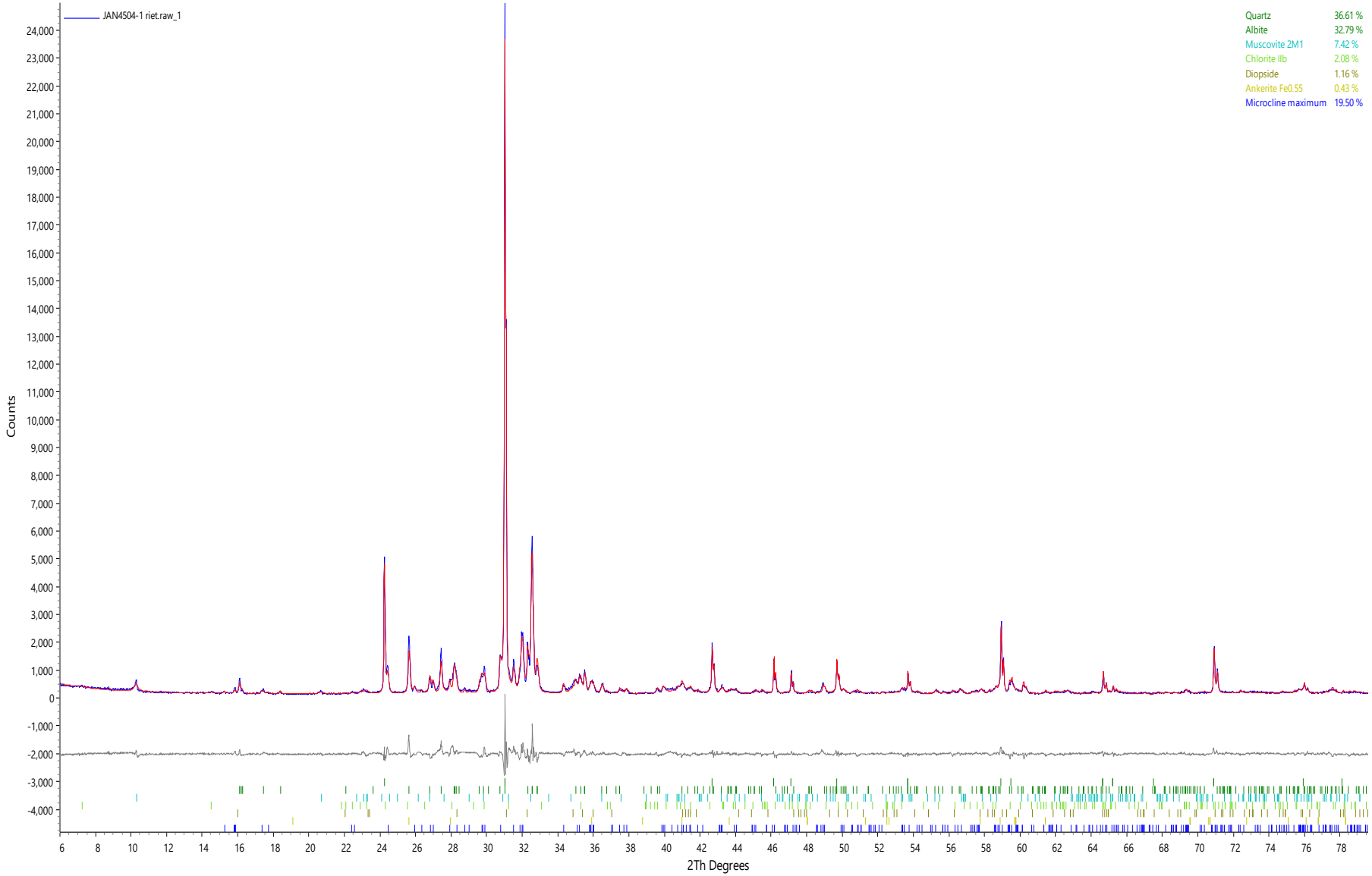
Summary of Rietveld Quantitative Analysis X-Ray Diffraction Results

Mineral/Compound	SB-24 (31-37') JAN4504-01 (wt %)
Quartz	36.6
Albite	32.8
Muscovite	7.4
Chlorite	2.1
Diopside	1.2
Ankerite	0.4
Microcline	19.5
TOTAL	100

The weight percent quantities indicated have been normalized to a sum of 100%. The quantity of amorphous material has not been determined.

Mineral/Compound	Formula
Quartz	SiO_2
Albite	$NaAlSi_3O_8$
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$
Diopside	$CaMgSi_2O_6$
Ankerite	$CaFe(CO_3)_2$
Microcline	$KAlSi_3O_8$

SB-24 (31-37')


JAN4504-1 riet.raw_1
Quartz 36.61 %
Albite 32.79 %
Muscovite 2M1 7.42 %
Chlorite IIb 2.08 %
Diopside 1.16 %
Ankerite Fe0.55 0.43 %
Microcline maximum 19.50 %
Counts
2Th Degrees

Quantitative X-Ray Diffraction by Rietveld Refinement

Report Prepared for:	*Geosyntec Consultant* *1255 Roberts Blvd, Kennesaw USA, 30144*
Project Number/ LIMS No.	*Custom XRD/CA19532-DEC24/MI4511-JAN25*
Sample Receipt:	*January 7, 2025*
Sample Analysis:	*January 21, 2025*
Reporting Date:	*February 4, 2025*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions:	Co radiation, 35 kV, 40 mA; Detector: LYNXEYE_XE_T Regular Scanning: Step: 0.02°, Step time:0.5s, 2θ range: 6-80°
Interpretations :	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). Diffrac Eva and Topas software.
Detection Limit :	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Quantitative XRD Results
3) XRD Pattern(s)

Zhihai (Adrian) Zhang, Ph.D
Mineralogist

Kim Gibbs, H.B.Sc., P.Geo.
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Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds, except when internal standards have been added by request. Mineral proportions may be strongly influenced by crystallinity, crystal structure and preferred orientations. Mineral or compound identification and quantitative analysis results should be accompanied by supporting chemical assay data or other additional tests.

Quantitative Rietveld Analysis:

Quantitative Rietveld Analysis is performed by using Diffrac Topas 7 (Bruker), a graphics based profile analysis program built around a non-linear least squares fitting system, to determine the amount of different phases present in a multicomponent sample. Whole pattern analyses are predicated by the fact that the X-ray diffraction pattern is a total sum of both instrumental and specimen factors. Unlike other peak intensity-based methods, the Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the obtained experimental patterns.

Rietveld refinement is completed with a set of minerals specifically identified for the sample. Zero values indicate that the mineral was included in the refinement calculations, but the calculated concentration was less than 0.05wt%. Minerals not identified by the analyst are not included in refinement calculations for specific samples and are indicated with a dash.

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

Summary of Rietveld Quantitative Analysis X-Ray Diffraction Results

Mineral/Compound	WAWM-1 JAN4511-01 (wt %)	WGWC-21 JAN4511-02 (wt %)	WGWC-20 JAN4511-03 (wt %)
Quartz	26.2	36.6	35.7
Chlorite	5.7	0.7	-
Biotite	1.9	0.3	-
Actinolite	15.2	-	-
Microcline	1.8	30.1	27.8
Albite	47.8	30.0	32.2
Ankerite	0.1	-	-
Diopside	1.5	-	-
Muscovite	-	2.4	3.0
Kaolinite	-	-	1.2
TOTAL	100	100	100

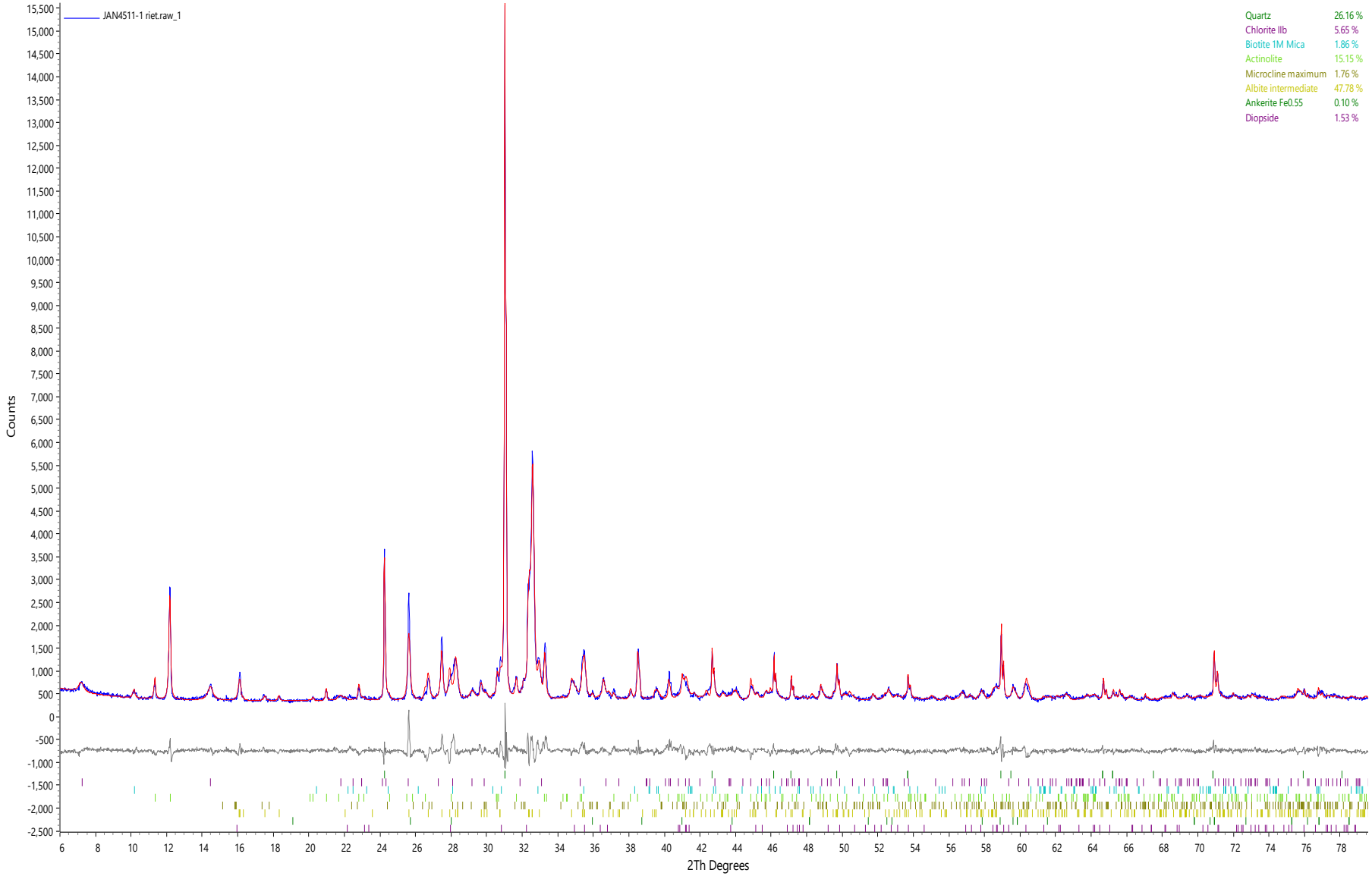
Zero values indicate that the mineral was included in the refinement, but the calculated concentration is below a measurable value.

Dashes indicate that the mineral was not identified by the analyst and not included in the refinement calculation for the sample.

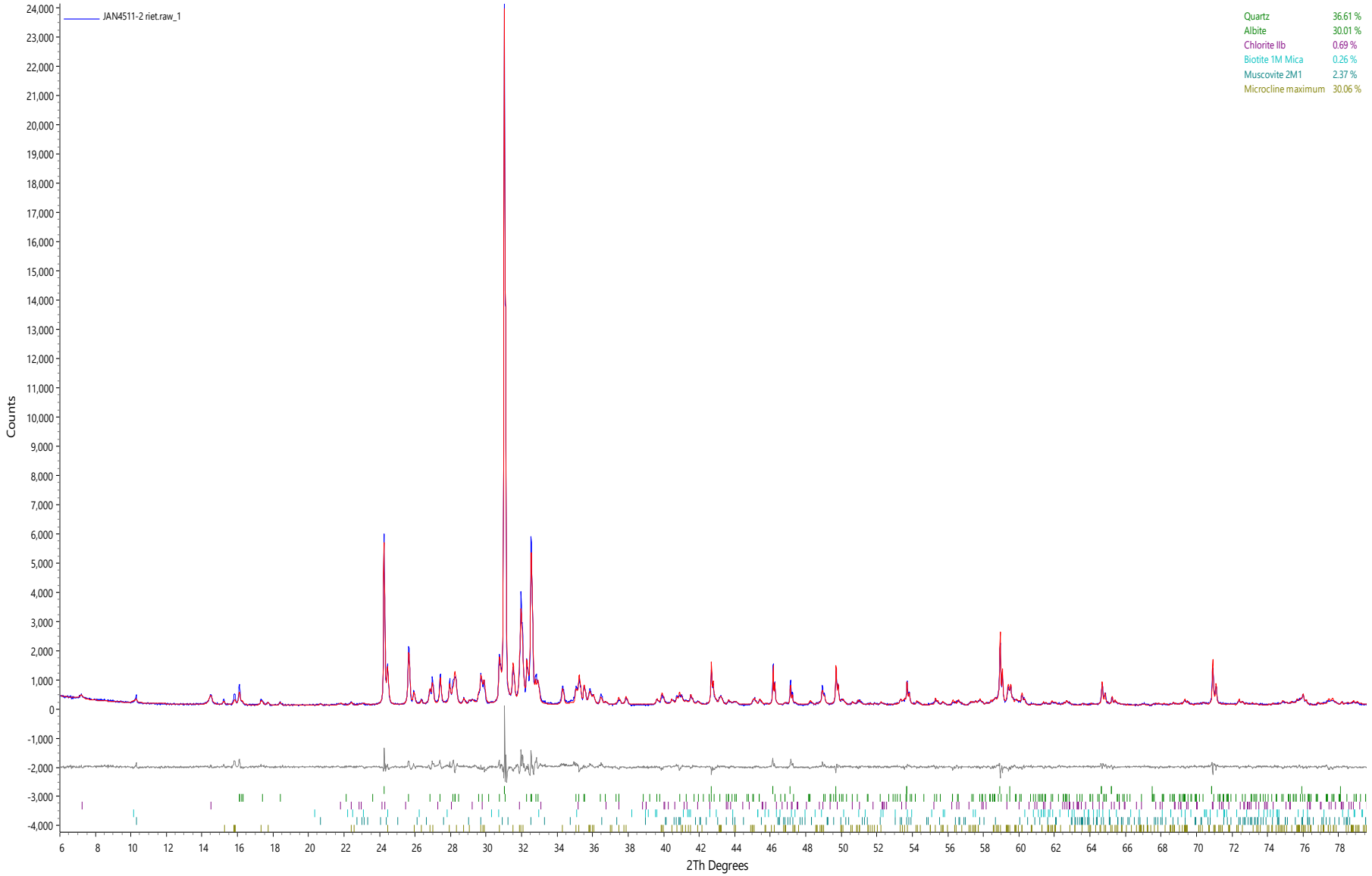
The weight percent quantities indicated have been normalized to a sum of 100%. The quantity of amorphous material has not been determined.

Mineral/Compound	Formula
Quartz	SiO_2
Chlorite	$(Fe,(Mg,Mn)_5,Al)(Si_3Al)O_{10}(OH)_8$
Biotite	$K(Mg,Fe)_3(AlSi_3O_{10})(OH)_2$
Actinolite	$Ca_2(Mg,Fe)_5Si_8O_{22}(OH)_2$
Microcline	$KAlSi_3O_8$
Albite	$NaAlSi_3O_8$
Ankerite	$CaFe(CO_3)_2$
Diopside	$CaMgSi_2O_6$
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Kaolinite	$Al_2Si_2O_5(OH)_4$

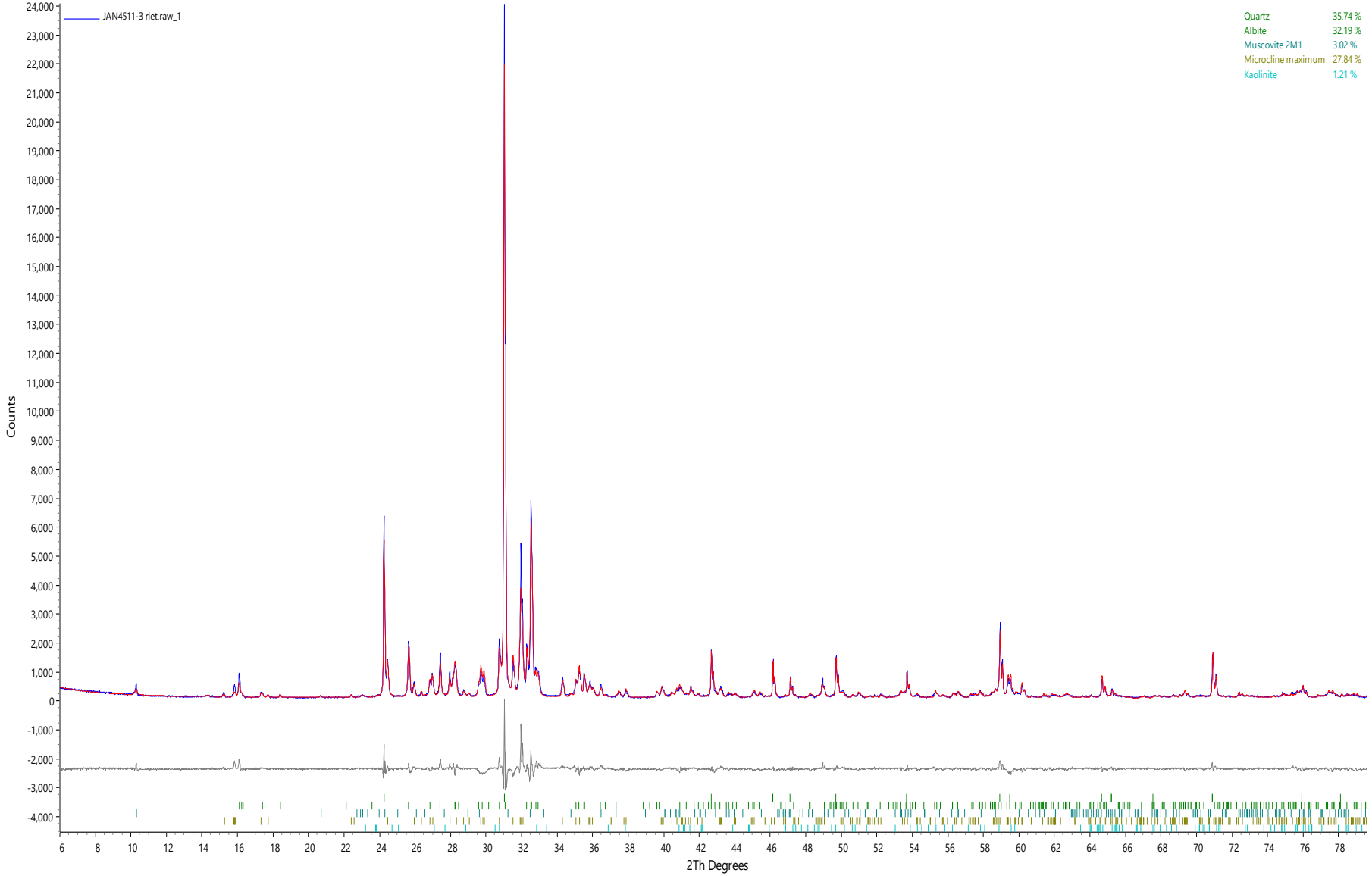
WAWM-1 (84-89')


JAN4511-1 riet.raw_1
Quartz 26.16 %
Chlorite IIb 5.65 %
Biotite 1M Mica 1.86 %
Actinolite 15.15 %
Microcline maximum 1.76 %
Albite intermediate 47.78 %
Ankerite Fe0.55 0.10 %
Diopside 1.53 %
Counts
2Th Degrees

WGWC-21 (58.68-68.68")



WGWC-20 (33-38")


JAN4511-3 riet.raw_1
Quartz 35.74 %
Albite 32.19 %
Muscovite 2M1 3.02 %
Microcline maximum 27.84 %
Kaolinite 1.21 %
Counts
2Th Degrees

QEMSCAN DATA

prepared for:

Geosyntec Consulting

Project Custom Min
MI5004-JAN25
March 11, 2025

Prepared by:

Margot Aldis/Chris Gunning
Mineralogist/Senior Mineralogist

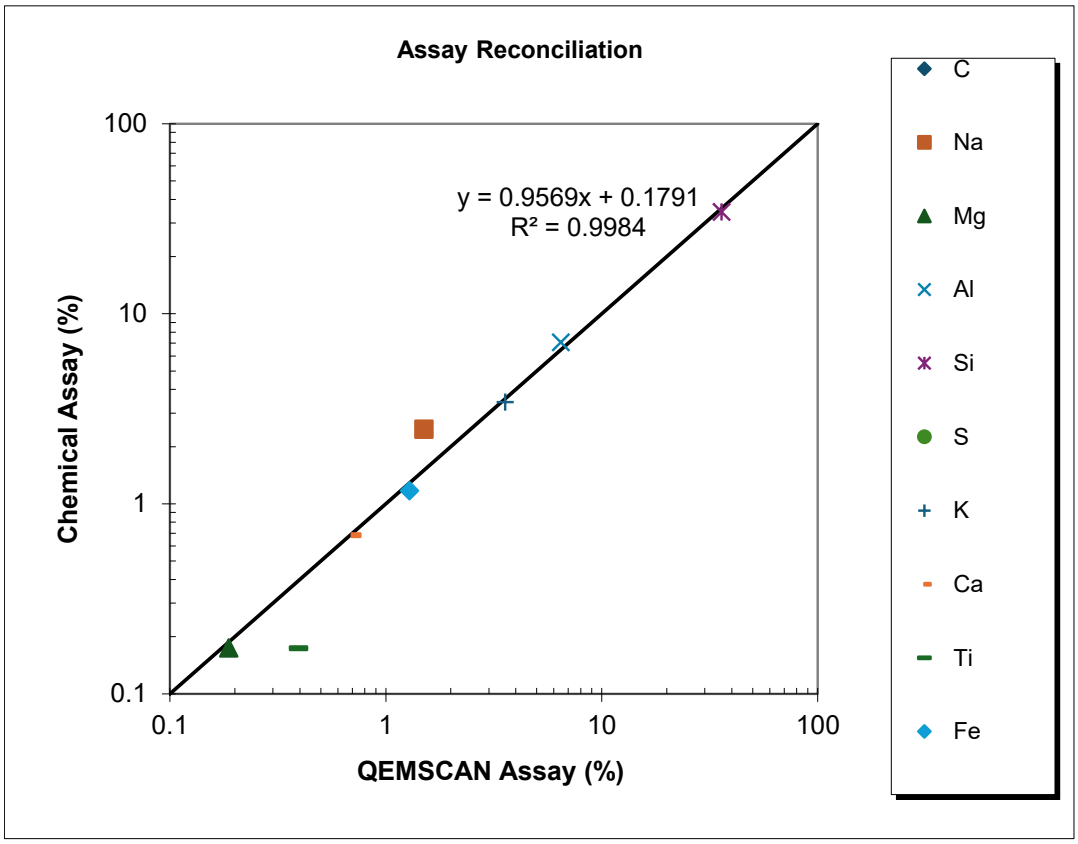
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy) (METH# 8.11.1) used by SGS Minerals Services

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Assay Reconciliation

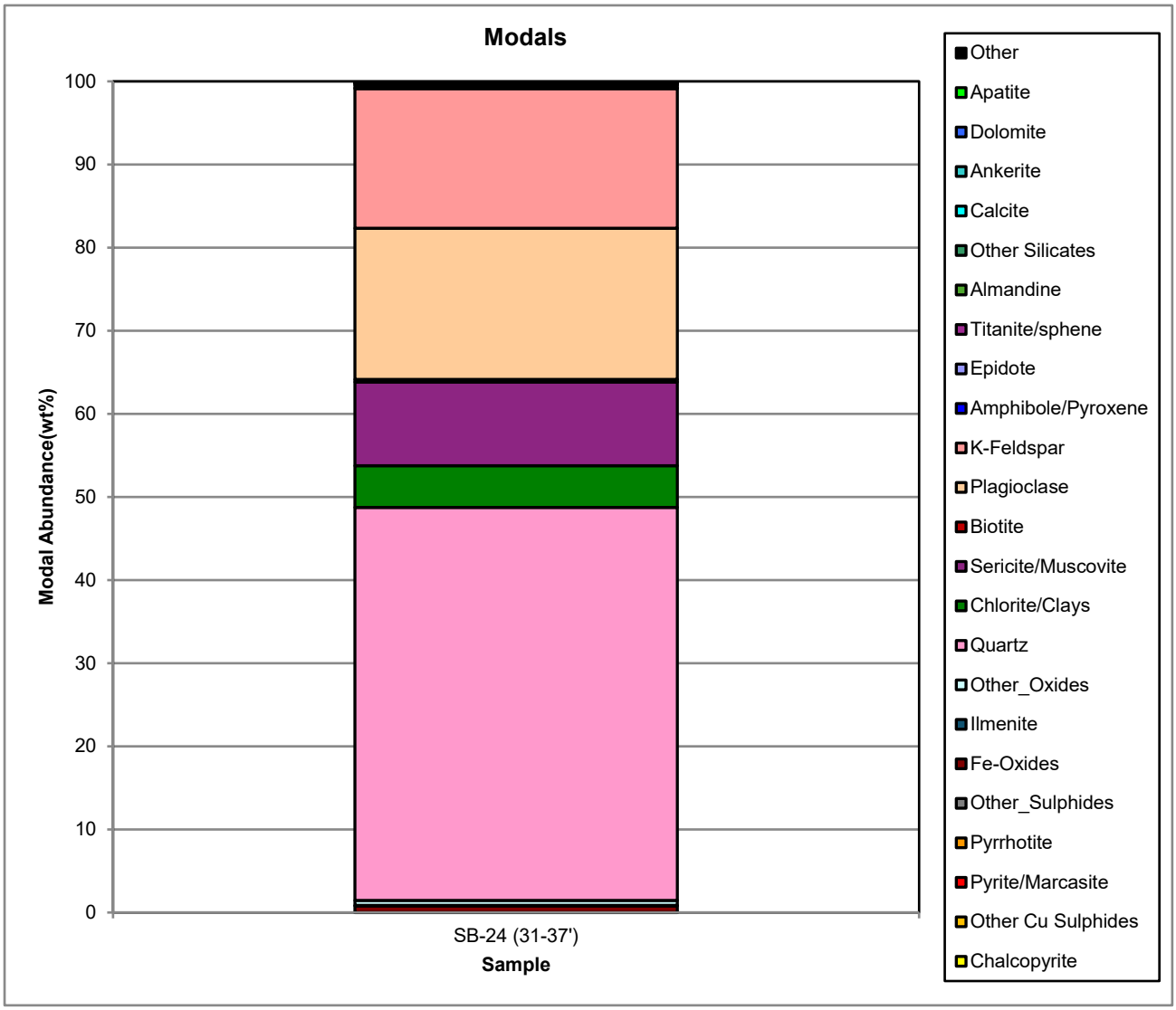


Sample	SB-24 (31-37')
Element	-300/+3um
C (QEMSCAN)	0.00
C (Chemical)	0.02
Na (QEMSCAN)	1.50
Na (Chemical)	2.48
Mg (QEMSCAN)	0.19
Mg (Chemical)	0.17
Al (QEMSCAN)	6.47
Al (Chemical)	7.09
Si (QEMSCAN)	35.9
Si (Chemical)	34.4
S (QEMSCAN)	0.00
S (Chemical)	0.01
K (QEMSCAN)	3.57
K (Chemical)	3.44
Ca (QEMSCAN)	0.70
Ca (Chemical)	0.69
Ti (QEMSCAN)	0.39
Ti (Chemical)	0.17
Fe (QEMSCAN)	1.29
Fe (Chemical)	1.18

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Modals

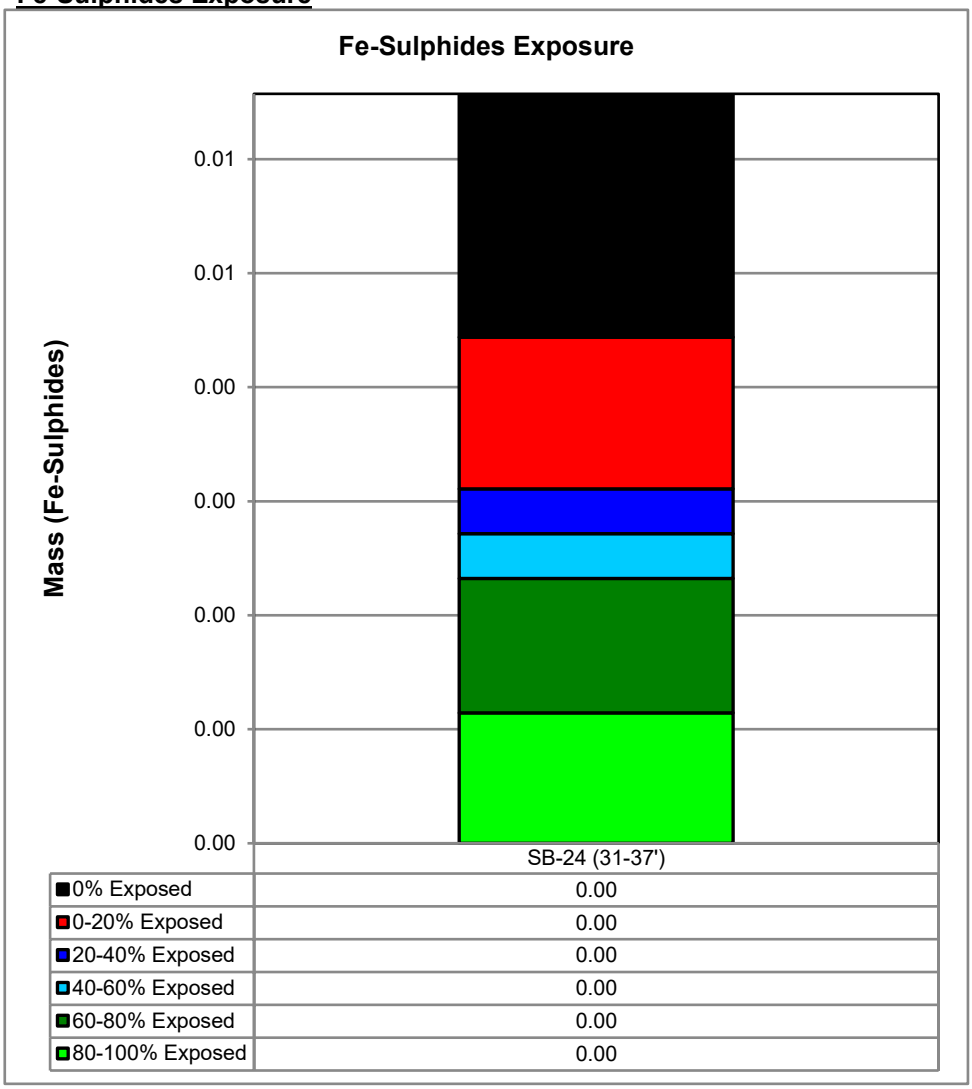
Survey		**Custom Min / MI5004-JAN25**
Project		**Geosyntec Consulting**
Sample		**SB-24 (31-37')**
Fraction		**-300/+3um**
Mass Size Distribution (%)		100.0
Calculated ESD Particle Size		29
		Sample
Mineral Mass (%)	Chalcopyrite	0.00
	Other Cu Sulphides	0.00
	Pyrite/Marcasite	0.00
	Pyrrhotite	0.00
	Other_Sulphides	0.00
	Fe-Oxides	0.78
	Ilmenite	0.09
	Other_Oxides	0.56
	Quartz	47.3
	Chlorite/Clays	5.01
	Sericite/Muscovite	10.1
	Biotite	0.33
	Plagioclase	18.2
	K-Feldspar	16.8
	Amphibole/Pyroxene	0.10
	Epidote	0.32
	Titanite/sphene	0.16
	Almandine	0.09
	Other Silicates	0.00
	Calcite	0.01
	Ankerite	0.00
	Dolomite	0.00
	Apatite	0.07
	Other	0.12
	Total	100.0
Mean Grain Size by Frequency (µm)	Chalcopyrite	0
	Other Cu Sulphides	0
	Pyrite/Marcasite	8
	Pyrrhotite	9
	Other_Sulphides	0
	Fe-Oxides	18
	Ilmenite	19
	Other_Oxides	11
	Quartz	22
	Chlorite/Clays	9
	Sericite/Muscovite	10
	Biotite	12
	Plagioclase	18
	K-Feldspar	20
	Amphibole/Pyroxene	10
	Epidote	15
	Titanite/sphene	9
	Almandine	10
	Other Silicates	8
	Calcite	19
	Ankerite	9
	Dolomite	0
	Apatite	12
	Other	10


Modals
Modal Abundance(wt%)
100
90
80
70
60
50
40
30
20
10
0
SB-24 (31-37')
Sample
Other
Apatite
Dolomite
Ankerite
Calcite
Other Silicates
Almandine
Titanite/sphene
Epidote
Amphibole/Pyroxene
K-Feldspar
Plagioclase
Biotite
Sericite/Muscovite
Chlorite/Clays
Quartz
Other_Oxides
Ilmenite
Fe-Oxides
Other_Sulphides
Pyrrhotite
Pyrite/Marcasite
Other Cu Sulphides
Chalcopyrite

Geosyntec Consulting
Custom Min
MI5004-JAN25

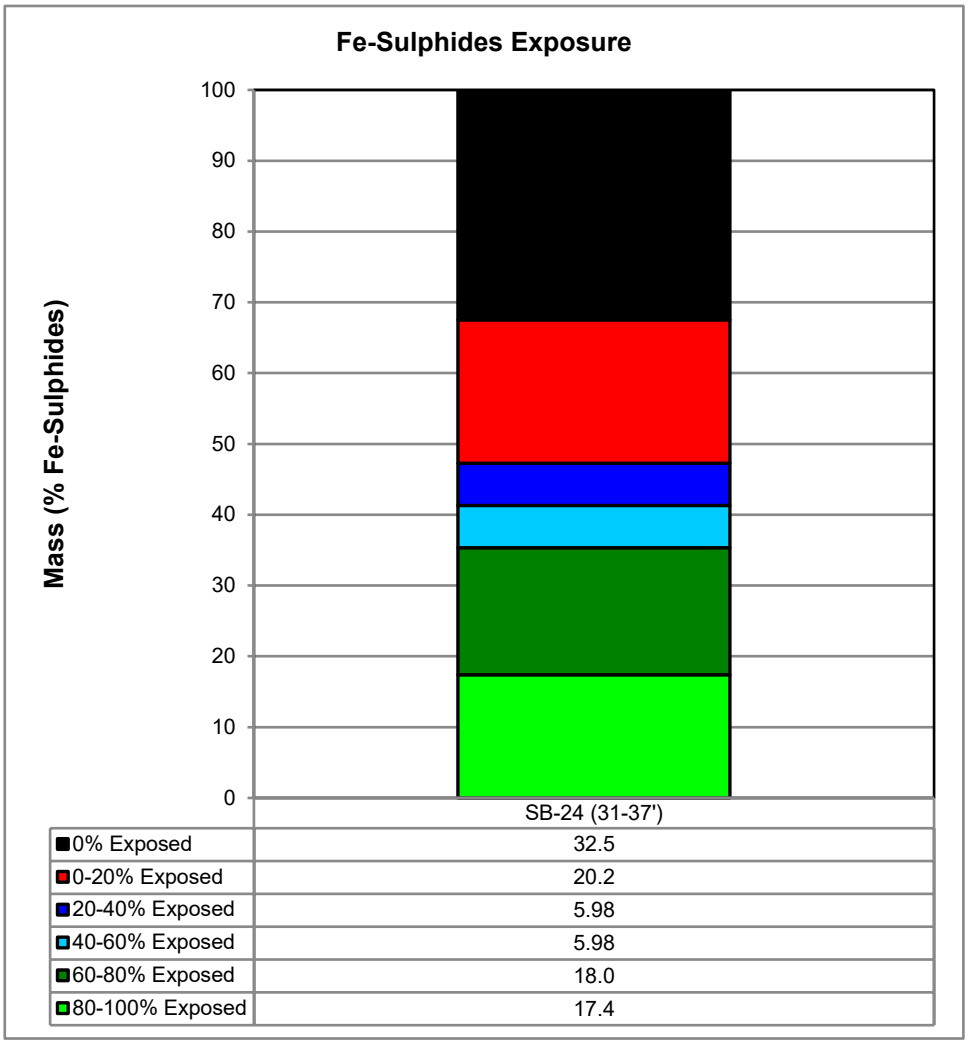
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Fe-Sulphides Exposure



Absolute Mass of Fe-Sulphides Across Samples

Mineral Name	SB-24 (31-37')
80-100% Exposed	0.00
60-80% Exposed	0.00
40-60% Exposed	0.00
20-40% Exposed	0.00
0-20% Exposed	0.00
0% Exposed	0.00
Total	0.01



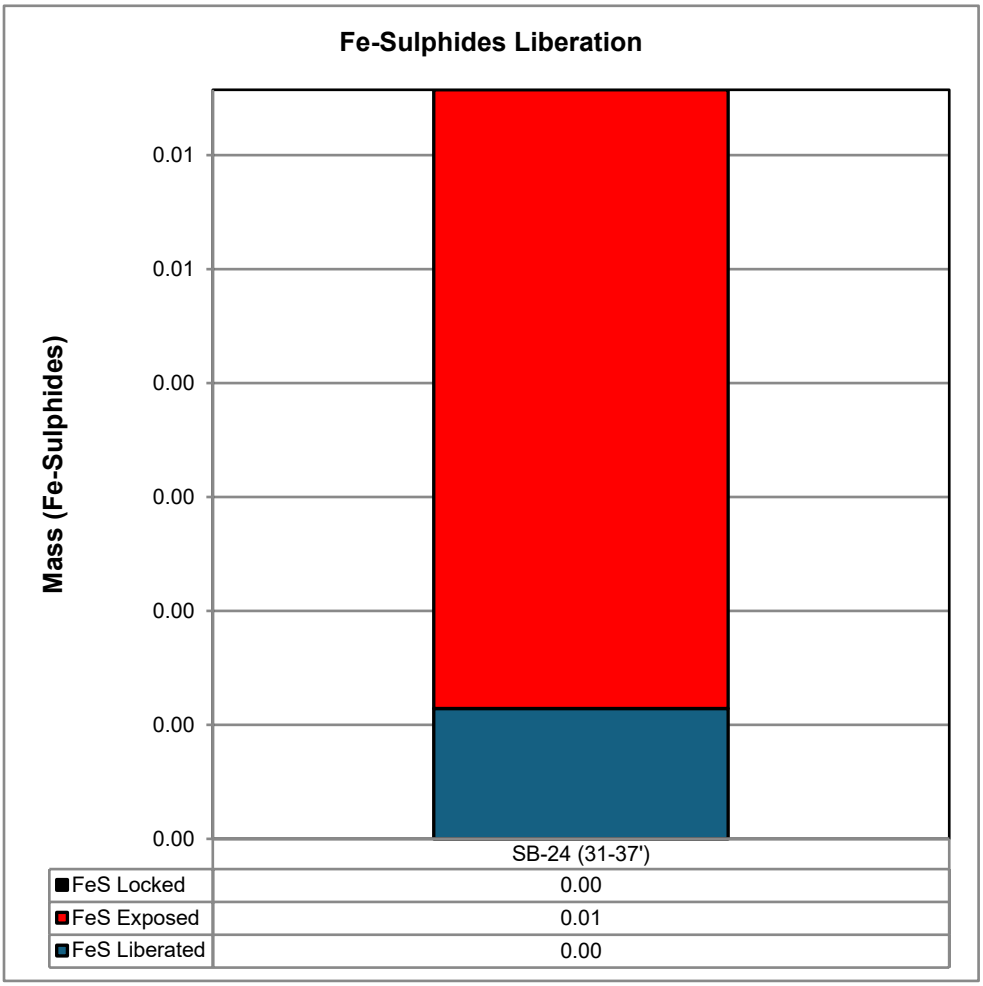
Normalized Mass of Fe-Sulphides Across Samples

Mineral Name	SB-24 (31-37')
80-100% Exposed	17.4
60-80% Exposed	18.0
40-60% Exposed	5.98
20-40% Exposed	5.98
0-20% Exposed	20.2
0% Exposed	32.5
Total	100.0
Total Exposed	35.3

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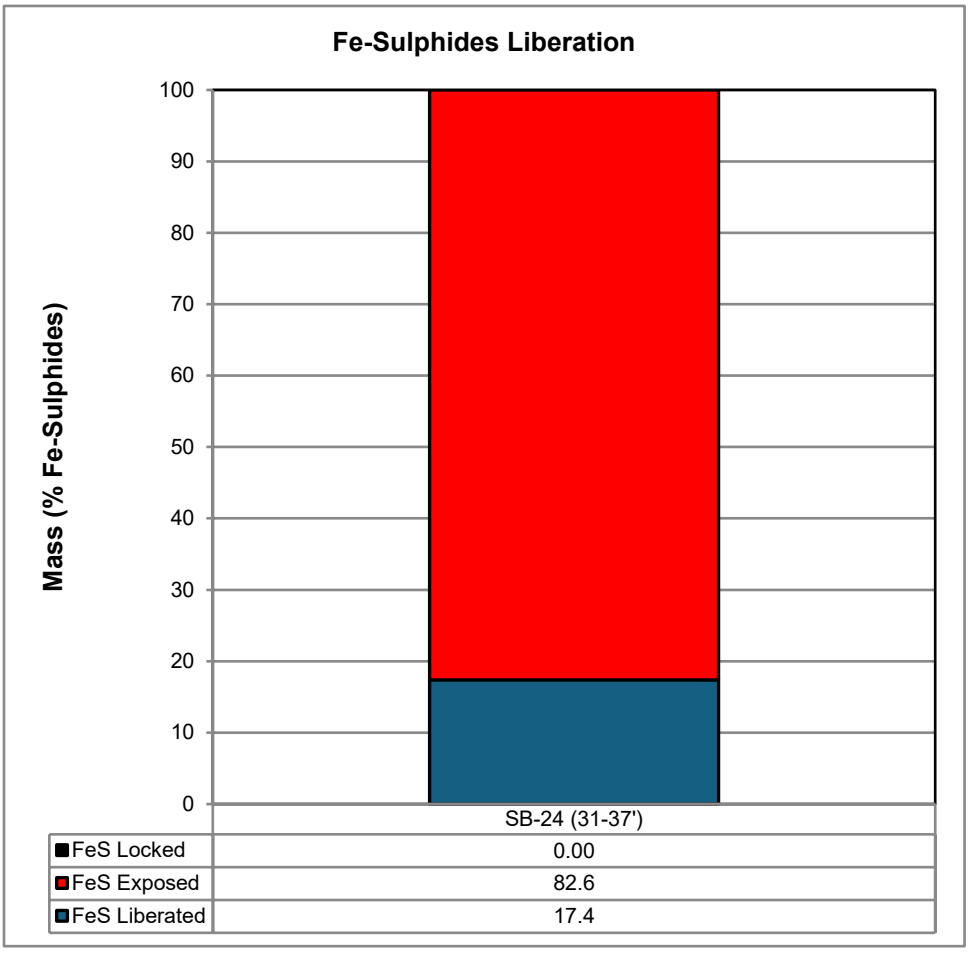
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Fe-Sulphides Liberation



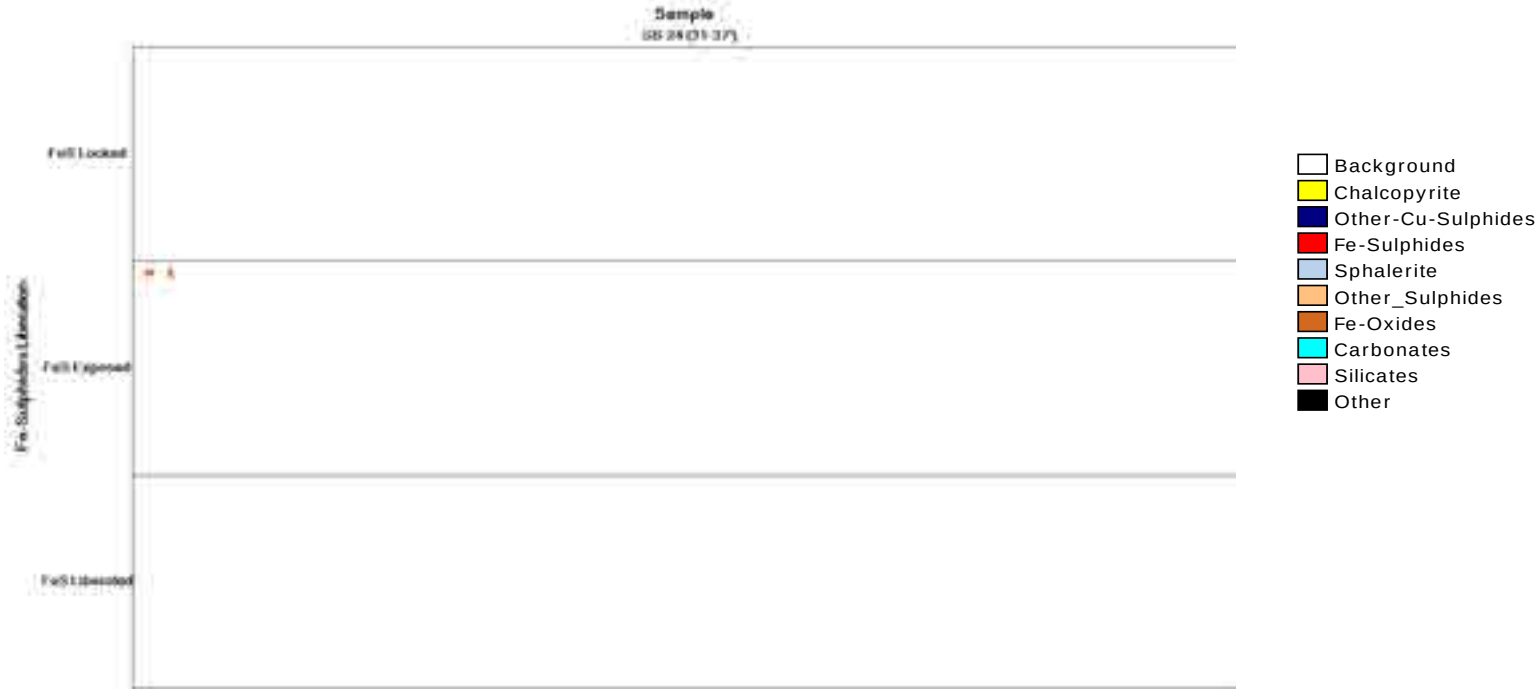
Absolute Mass of Fe-Sulphides Across Samples

Mineral Name	SB-24 (31-37')
FeS Liberated	0.00
FeS Exposed	0.01
FeS Locked	0.00
Total	0.01



Normalized Mass of Fe-Sulphides Across Samples

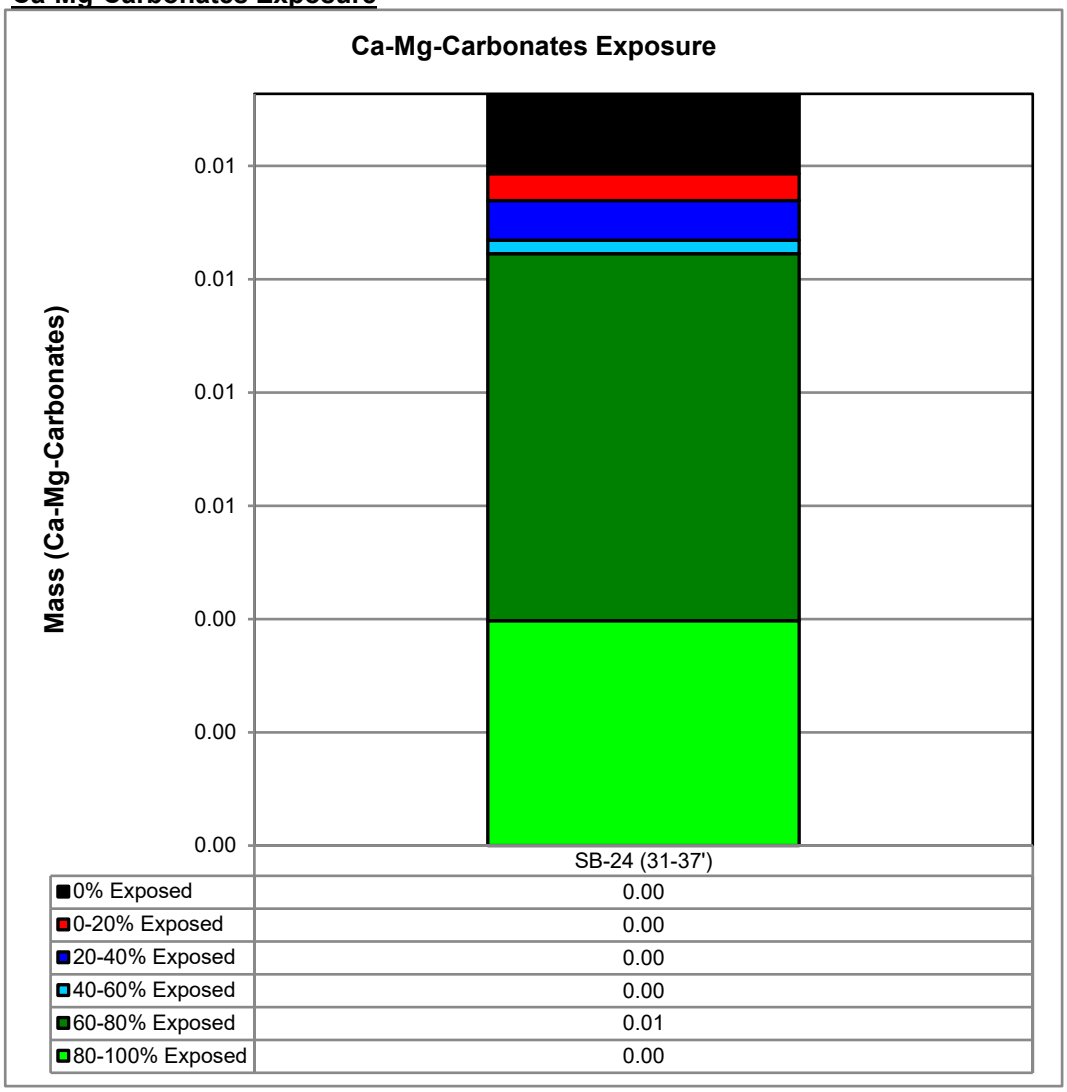
Mineral Name	SB-24 (31-37')
FeS Liberated	17.4
FeS Exposed	82.6
FeS Locked	0.00
Total	100.0


Sample
Background
Chalcopyrite
Other-Cu-Sulphides
Fe-Sulphides
Sphalerite
Other_Sulphides
Fe-Oxides
Carbonates
Silicates
Other

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MI5004-JAN25

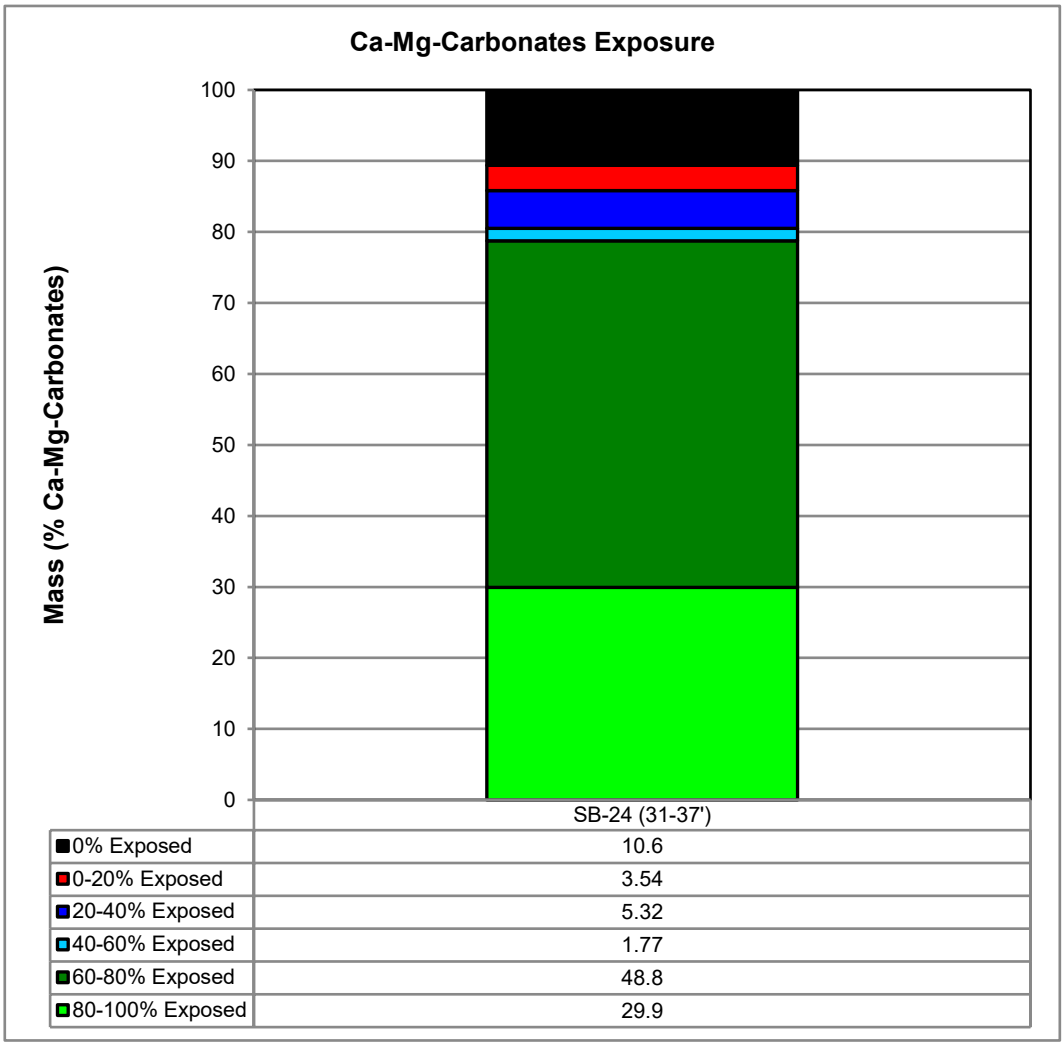
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ca-Mg-Carbonates Exposure



Absolute Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	SB-24 (31-37')
80-100% Exposed	0.00
60-80% Exposed	0.01
40-60% Exposed	0.00
20-40% Exposed	0.00
0-20% Exposed	0.00
0% Exposed	0.00
Total	0.01



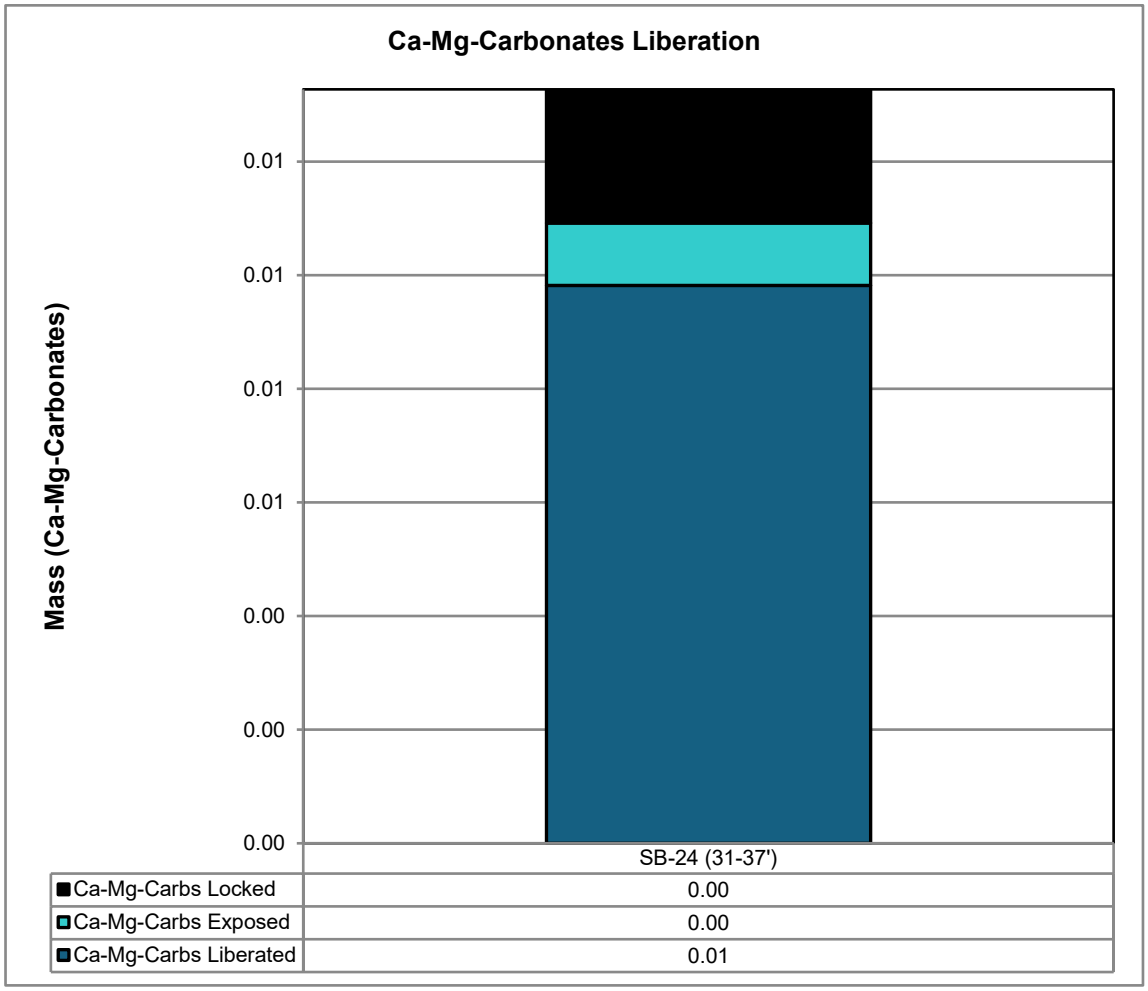
Normalized Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	SB-24 (31-37')
80-100% Exposed	29.9
60-80% Exposed	48.8
40-60% Exposed	1.77
20-40% Exposed	5.32
0-20% Exposed	3.54
0% Exposed	10.6
Total	100.0
Total Exposed	78.7

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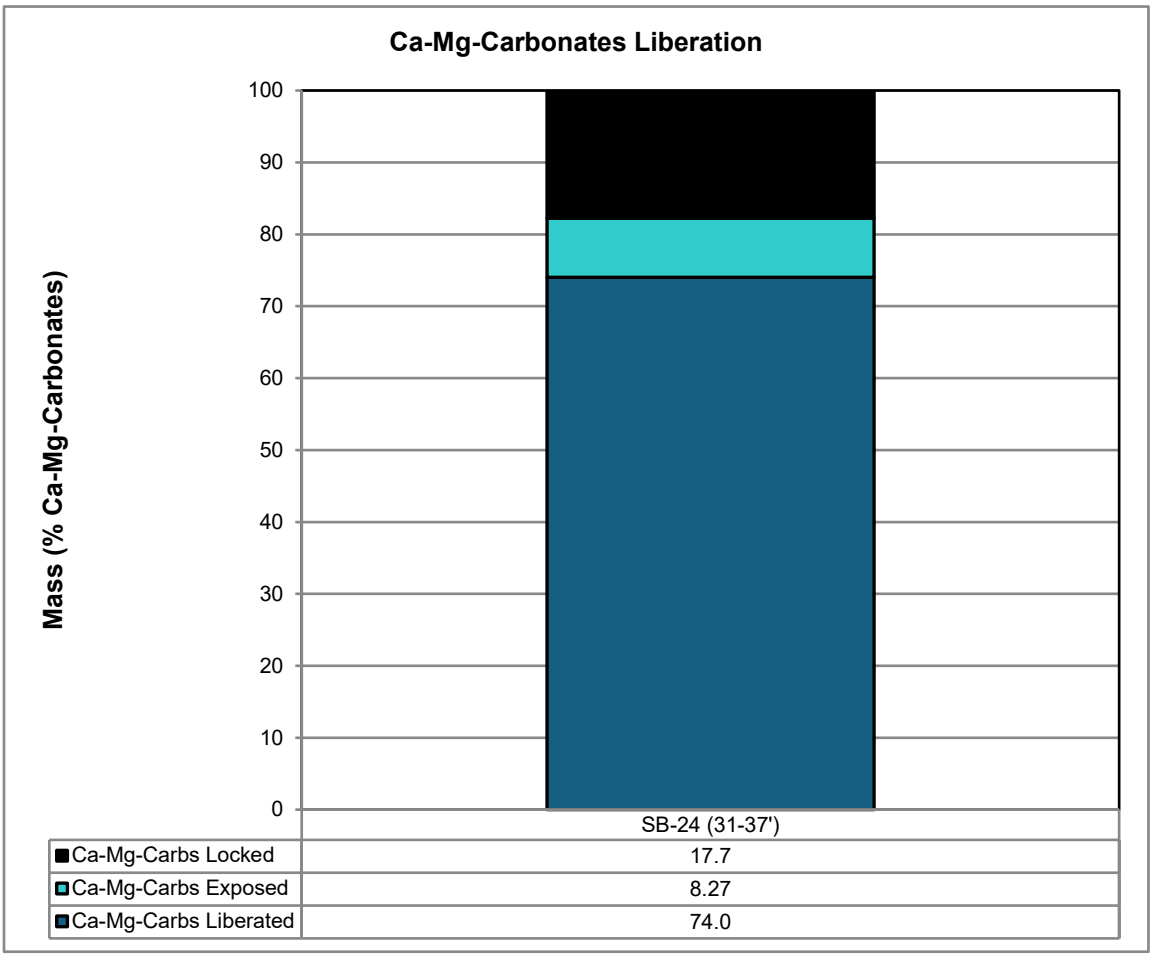
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ca-Mg-Carbonates Liberation



Absolute Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	SB-24 (31-37')
Ca-Mg-Carbs Liberated	0.01
Ca-Mg-Carbs Exposed	0.00
Ca-Mg-Carbs Locked	0.00
Total	0.01



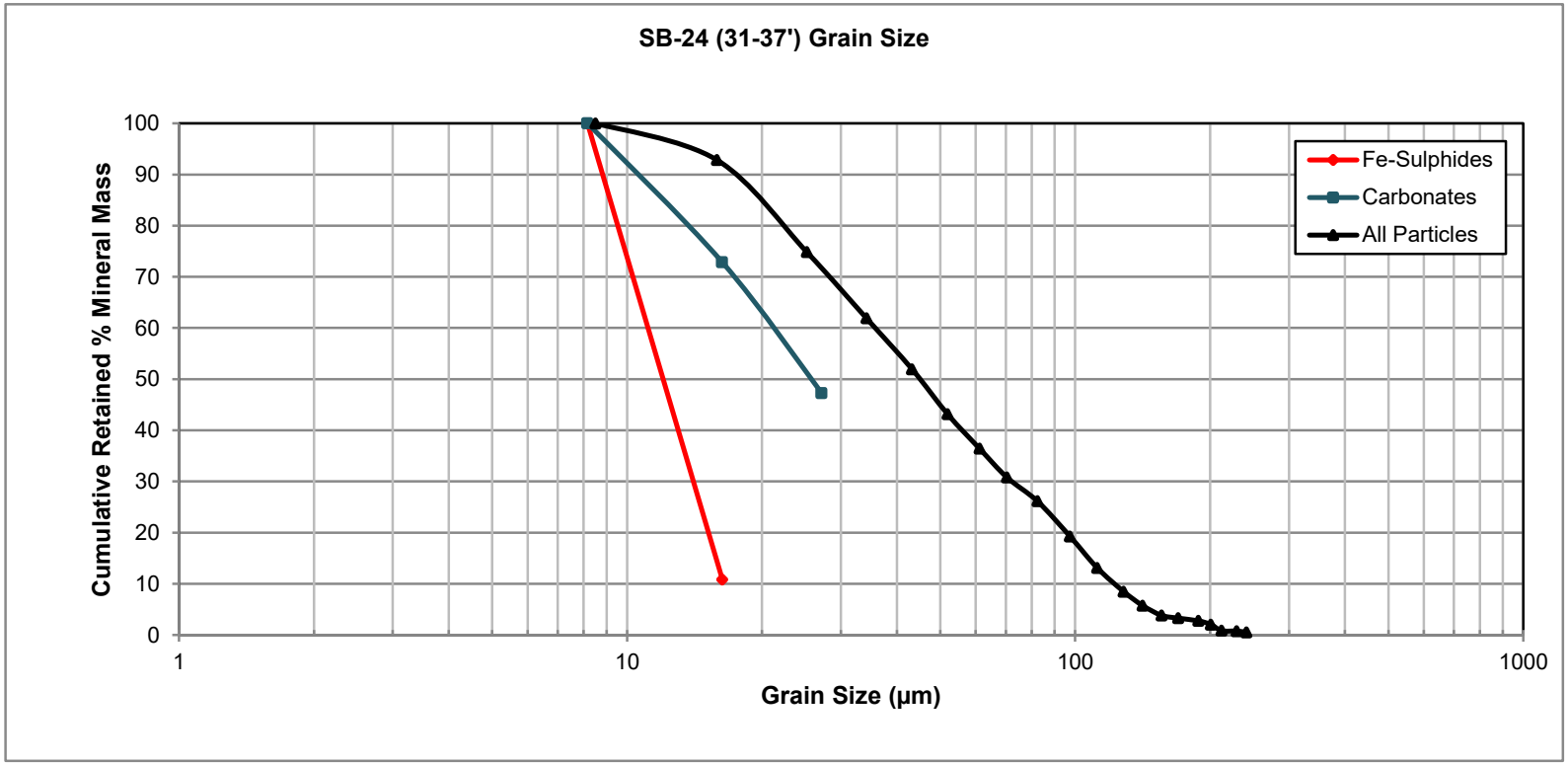
Normalized Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	SB-24 (31-37')
Ca-Mg-Carbs Liberated	74.0
Ca-Mg-Carbs Exposed	8.27
Ca-Mg-Carbs Locked	17.7
Total	100.0


Sample
SB-24 (31-37')
Ca-Mg-Carbonates Liberation
Ca-Mg-Carbs Locked
Ca-Mg-Carbs Exposed
Ca-Mg-Carbs Liberated
Background
Chalcopyrite
Other-Cu-Sulphides
Fe-Sulphides
Sphalerite
Other_Sulphides
Fe-Oxides
Carbonates
Silicates
Other

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Cumulative Retained Grain Size Distribution



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High Definition Mineralogical Analysis using QEMSCAN
(Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Mineralogical Acid-Base Accounting

Parameter/Sample	SB-24 (31-37')
NP from Ca-Mg Carbonates (tonnes CaCO3/1000 tonnes)	0.1
AP from Fe-Sulphides (tonnes CaCO3/1000 tonnes)	0.1
NP/AP	1.4
Available NP/AP	3.1

Notes:
NP = Neutralization Potential
AP = Acid Generation Potential
"Available NP/AP" takes into account the exposure of Ca-Mg-carbonates and Fe-sulphides

A carbonate/sulphide ratio > 2 indicates probable net neutralizing conditions. Only net acid consuming carbonates (Ca-Mg carbonates) are used for the mineralogical neutralization potential (NP) determination. Only Fe-sulphides are used for the mineralogical acid generation potential (AGP) as they are the main sulphides to contribute to net acidity.

In cases of low carbonate and sulphide abundance (typically <0.5 wt.% of each), values are only semi-quantitative due to low particle statistics for study. More replicate analyses are recommended to properly quantify the NP/AGP potential of these samples.

QEMSCAN Method Summary

Mineral Identification and Interpretation:
The QEM-ARMS, or Automated Rapid Mineral Scan is a method designed to provide simple bulk mineralogy using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy) (METH# 8.11.1) and XRD (X-ray Diffraction, BRUKER AXS D8 Advance Diffractometer). Semi-quantitative mineral abundance, as well as liberation and grain size analyses of one or two key minerals of interest which occur in significant quantities (>1% mineral mass) are presented.

Test Limitations:
The reader should note that this is a semi-quantative study. Any data should be treated as approximations. The study is subject to the representativity of the sample selected, and its accuracy limited by the particle statistics.

XRD Method Summary

Mineral Identification and Interpretation:

Mineral identification and interpretation involve matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds. Mineral proportions are based on relative peak heights and may be strongly influenced by crystallinity, structural group or preferred orientations. Interpretations and relative proportions should be accompanied by supporting petrographic and geochemical data (Whole Rock Analysis, Inductively Coupled Plasma - Optical Emission Spectroscopy, etc.).

The Qualitative XRD method (METH # 8-8-1) used by SGS Minerals Services,
P.O. Box 4300, 185 Concession Street, Lakefield, Ontario, Canada K0L 2H0.
Tel: (705) 652-2000 Fax: (705) 652-6365 Mini-method available upon request.

Terminology for Association data

Association classes were defined as the following;



• **Free Pyrite** - A particle that has >=95% of Pyrite



• **Liberated Pyrite**: A particle that has ≥80 but <95 area% of Pyrite



• **Pyrite**: **Other Sulphides** - A particle that has ≥95 area% of Pyrite + Other Sulphides
• **Pyrite: Quartz/Feldspar** - A particle that has ≥95 area% of Pyrite + Quartz/Feldspar
• **Pyrite: Micas/Clays** - A particle that has ≥95 area% of Pyrite + Micas/Clays
• **Pyrite**: **Oxides** - A particle that has ≥95 area% of Pyrite + Oxides
• **Pyrite: Carbonates** - A particle that has ≥95 area% of Pyrite + Carbonates
• **Complex**: Any combination of the above definitions has been defined as a complex particle.

QEMSCAN DATA

prepared for:

Geosyntec Consulting

Project Custom Min
MI5007-JAN25
March 11, 2025

Prepared by:

Margot Aldis/Chris Gunning
Mineralogist/Senior Mineralogist

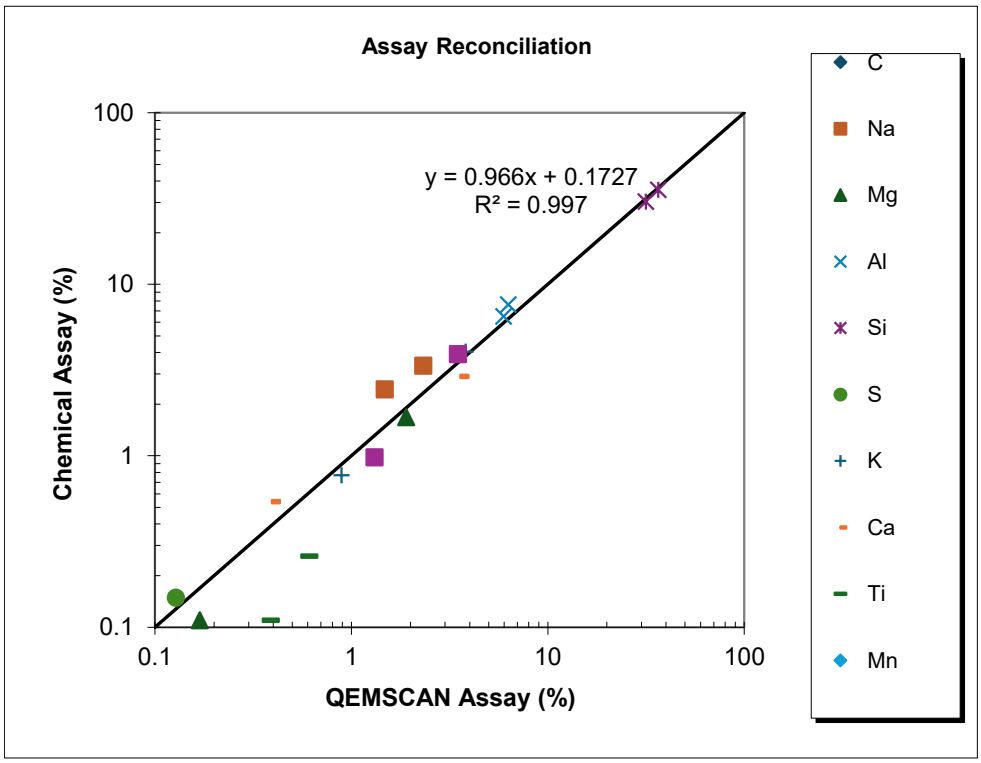
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy) (METH# 8.11.1) used by SGS Minerals Services

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High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Assay Reconciliation

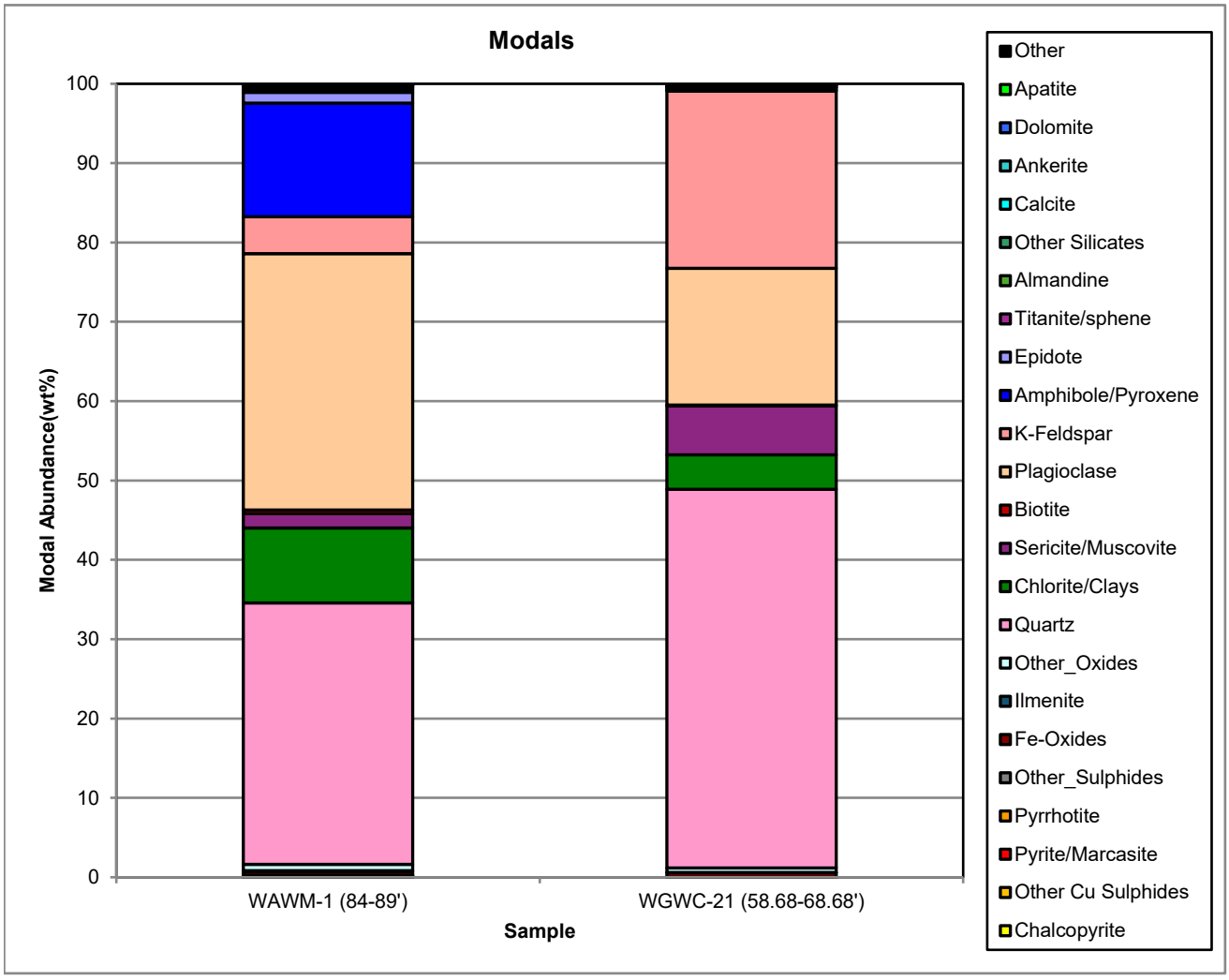


Sample	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
Element	**-300/+3um**	**-300/+3um**
C (QEMSCAN)	0.02	0.02
C (Chemical)	0.10	0.04
Na (QEMSCAN)	2.32	1.48
Na (Chemical)	3.35	2.44
Mg (QEMSCAN)	1.90	0.17
Mg (Chemical)	1.68	0.11
Al (QEMSCAN)	6.29	5.96
Al (Chemical)	7.60	6.50
Si (QEMSCAN)	31.6	36.6
Si (Chemical)	30.3	35.5
S (QEMSCAN)	0.13	0.01
S (Chemical)	0.15	0.04
K (QEMSCAN)	0.89	3.82
K (Chemical)	0.77	4.05
Ca (QEMSCAN)	3.59	0.39
Ca (Chemical)	2.90	0.54
Ti (QEMSCAN)	0.61	0.39
Ti (Chemical)	0.26	0.11
Mn (QEMSCAN)	0.11	0.03
Mn (Chemical)	0.09	0.03
Fe (QEMSCAN)	3.48	1.31
Fe (Chemical)	3.92	0.98

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Modals

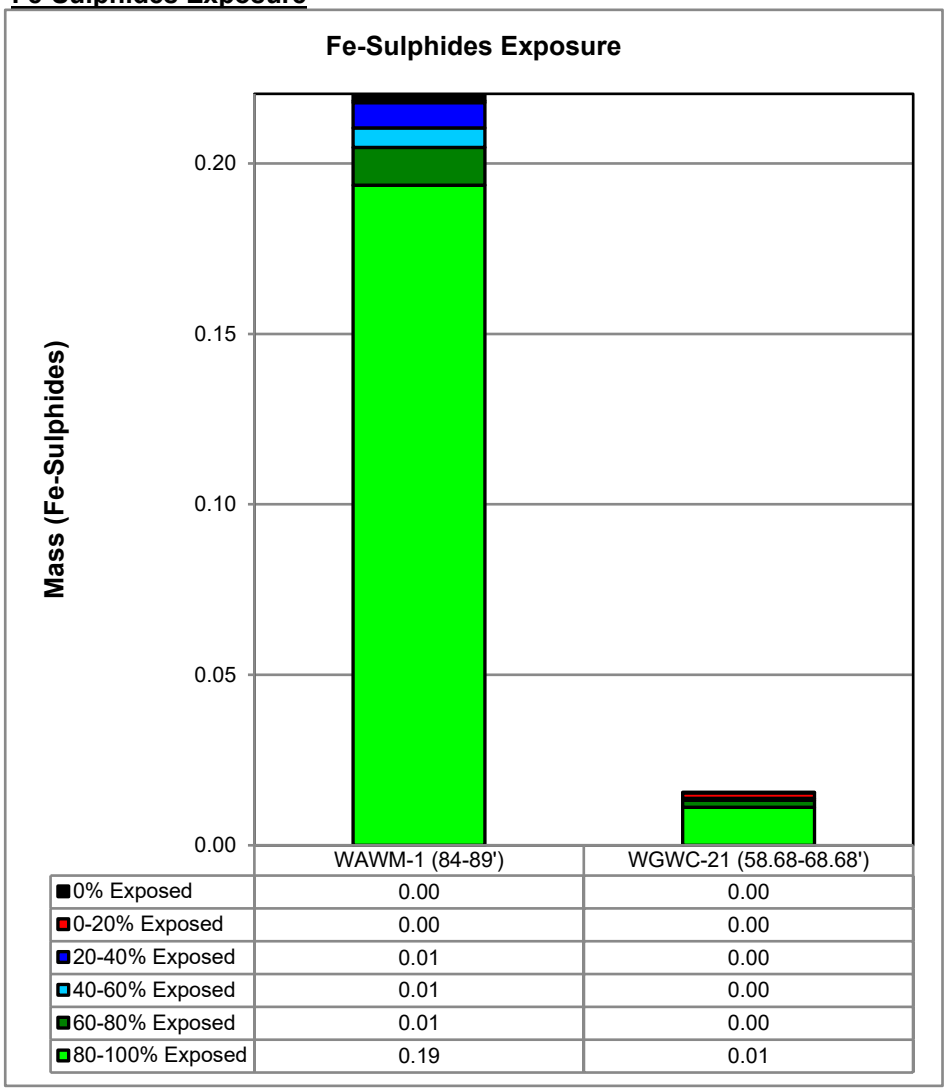
Survey		Custom Min / MI5007-JAN25	
Project		Geosyntec Consulting	
Sample		WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
Fraction		-300/+3um	-300/+3um
Mass Size Distribution (%)		100.0	100.0
Calculated ESD Particle Size		32	31
		Sample	Sample
Mineral Mass (%)	Chalcopyrite	0.02	0.00
	Other Cu Sulphides	0.00	0.00
	Pyrite/Marcasite	0.22	0.01
	Pyrrhotite	0.00	0.00
	Other_Sulphides	0.01	0.00
	Fe-Oxides	0.45	0.56
	Ilmenite	0.16	0.01
	Other_Oxides	0.79	0.58
	Quartz	32.9	47.7
	Chlorite/Clays	9.46	4.35
	Sericite/Muscovite	1.80	6.17
	Biotite	0.46	0.10
	Plagioclase	32.3	17.2
	K-Feldspar	4.63	22.3
	Amphibole/Pyroxene	14.3	0.12
	Epidote	1.34	0.07
	Titanite/sphene	0.41	0.20
	Almandine	0.15	0.07
	Other Silicates	0.11	0.05
	Calcite	0.15	0.13
	Ankerite	0.01	0.00
	Dolomite	0.00	0.00
	Apatite	0.13	0.11
	Other	0.12	0.18
	Total	100.0	100.0
Mean Grain Size by Frequency (µm)	Chalcopyrite	18	8
	Other Cu Sulphides	8	0
	Pyrite/Marcasite	23	12
	Pyrrhotite	8	8
	Other_Sulphides	10	10
	Fe-Oxides	13	13
	Ilmenite	16	9
	Other_Oxides	10	12
	Quartz	20	23
	Chlorite/Clays	12	11
	Sericite/Muscovite	9	10
	Biotite	10	11
	Plagioclase	22	17
	K-Feldspar	16	26
	Amphibole/Pyroxene	19	10
	Epidote	14	15
	Titanite/sphene	12	11
	Almandine	8	9
	Other Silicates	8	19
	Calcite	18	15
	Ankerite	8	8
	Dolomite	8	8
	Apatite	19	34
	Other	10	13


Modals
Modal Abundance(wt%)
100
90
80
70
60
50
40
30
20
10
0
WAWM-1 (84-89')
WGWC-21 (58.68-68.68')
Sample
Other
Apatite
Dolomite
Ankerite
Calcite
Other Silicates
Almandine
Titanite/sphene
Epidote
Amphibole/Pyroxene
K-Feldspar
Plagioclase
Biotite
Sericite/Muscovite
Chlorite/Clays
Quartz
Other_Oxides
Ilmenite
Fe-Oxides
Other_Sulphides
Pyrrhotite
Pyrite/Marcasite
Other Cu Sulphides
Chalcopyrite

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MI5007-JAN25

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

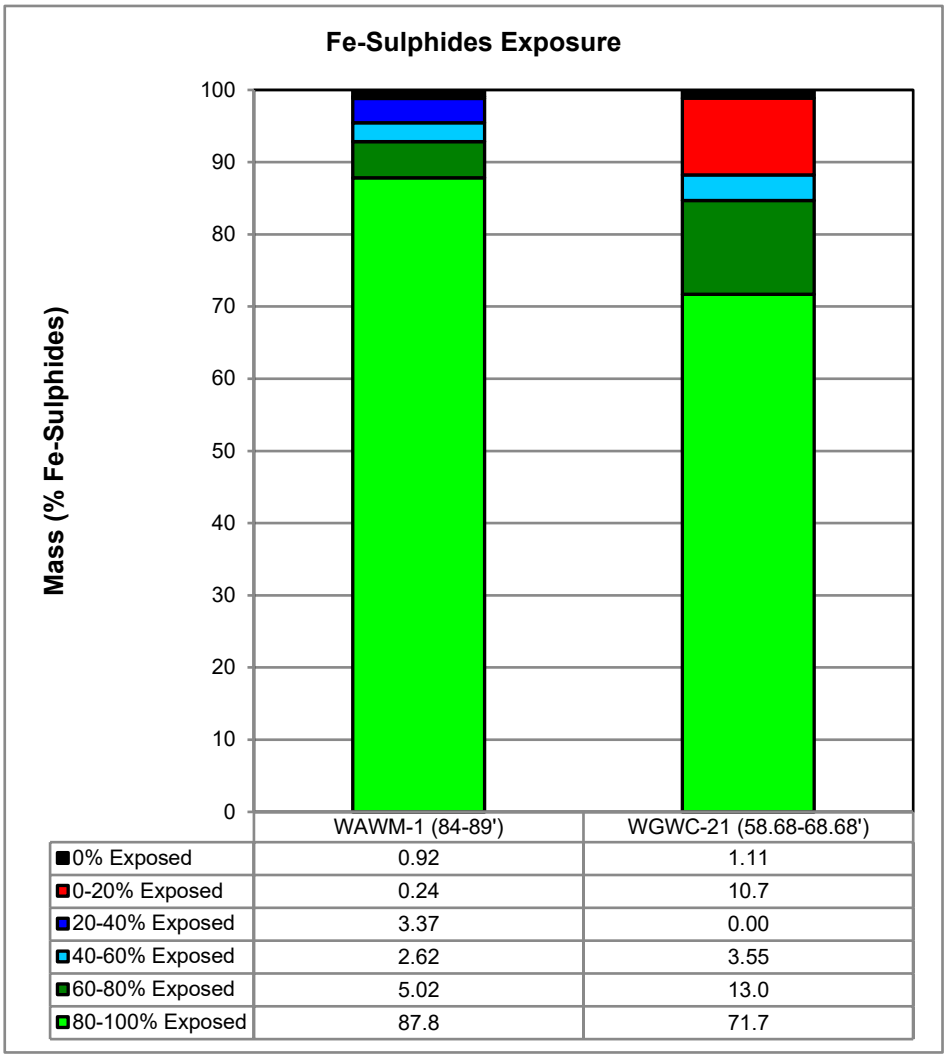
Fe-Sulphides Exposure



	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
0% Exposed	0.00	0.00
0-20% Exposed	0.00	0.00
20-40% Exposed	0.01	0.00
40-60% Exposed	0.01	0.00
60-80% Exposed	0.01	0.00
80-100% Exposed	0.19	0.01

Absolute Mass of Fe-Sulphides Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
80-100% Exposed	0.19	0.01
60-80% Exposed	0.01	0.00
40-60% Exposed	0.01	0.00
20-40% Exposed	0.01	0.00
0-20% Exposed	0.00	0.00
0% Exposed	0.00	0.00
Total	0.22	0.02



	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
0% Exposed	0.92	1.11
0-20% Exposed	0.24	10.7
20-40% Exposed	3.37	0.00
40-60% Exposed	2.62	3.55
60-80% Exposed	5.02	13.0
80-100% Exposed	87.8	71.7

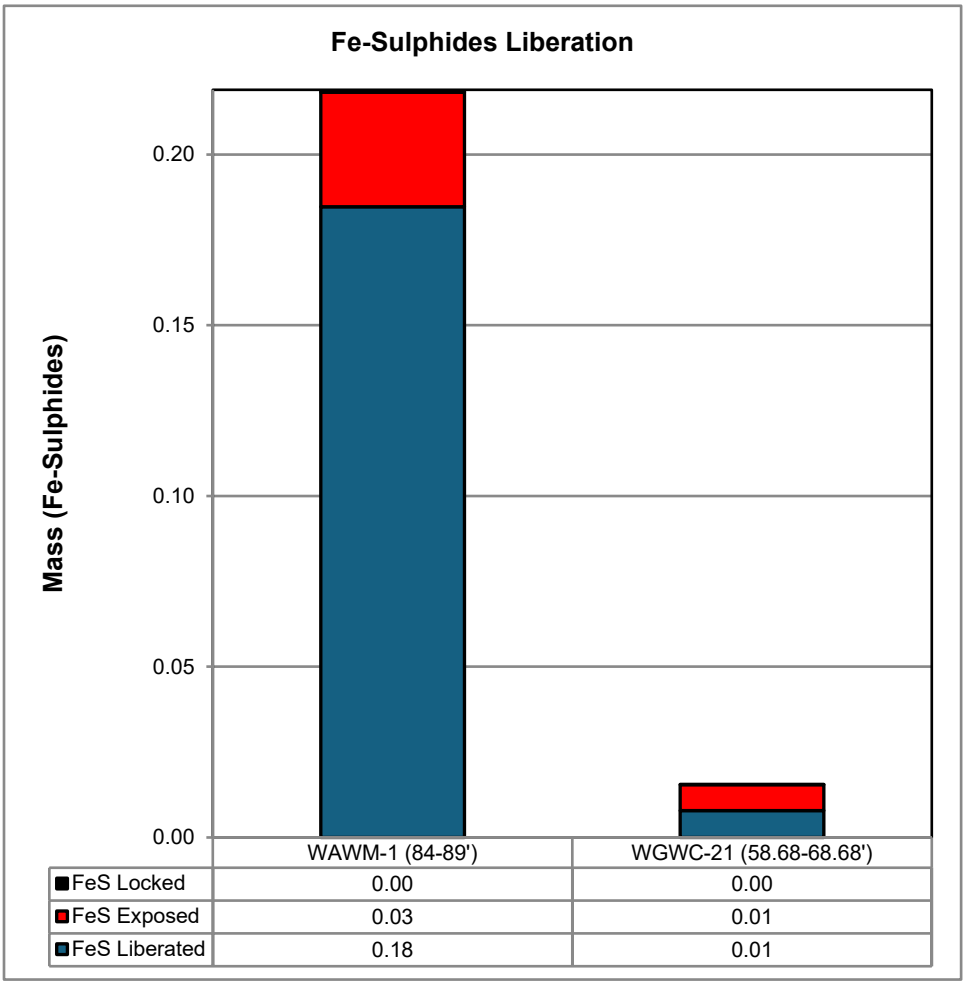
Normalized Mass of Fe-Sulphides Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
80-100% Exposed	87.8	71.7
60-80% Exposed	5.02	13.0
40-60% Exposed	2.62	3.55
20-40% Exposed	3.37	0.00
0-20% Exposed	0.24	10.7
0% Exposed	0.92	1.11
Total	100.0	100.0
Total Exposed	92.8	84.7

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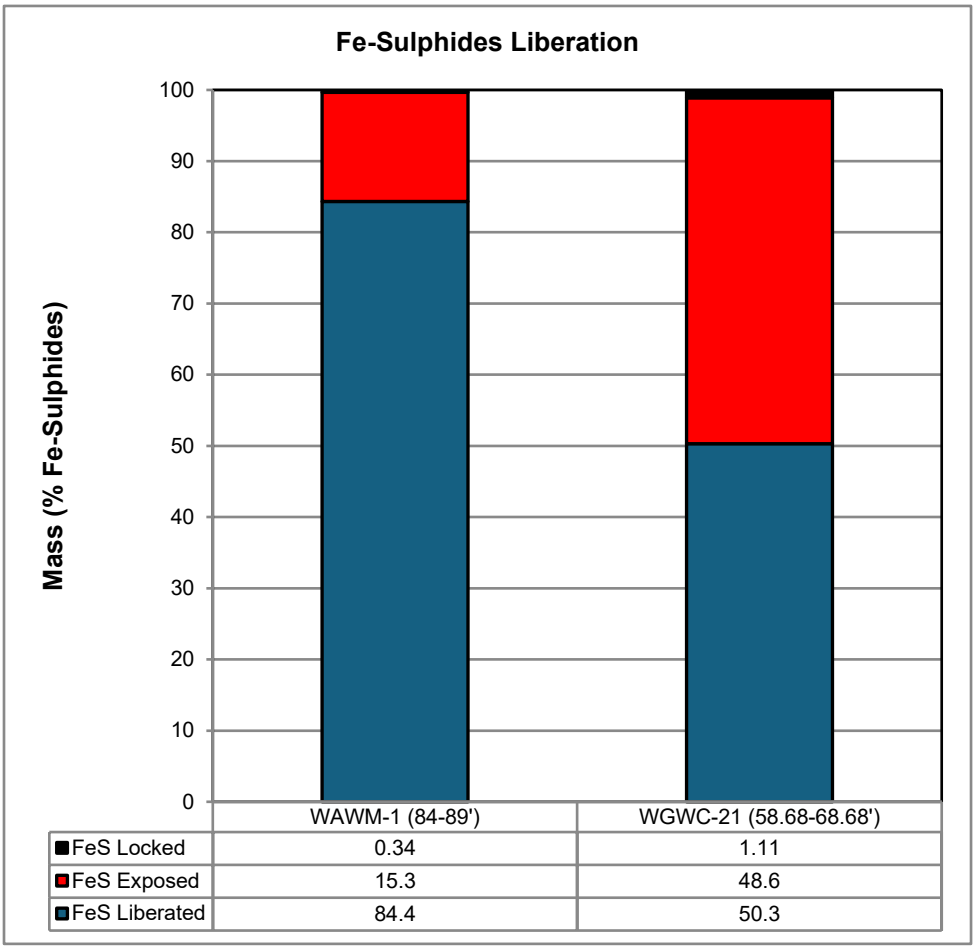
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Fe-Sulphides Liberation



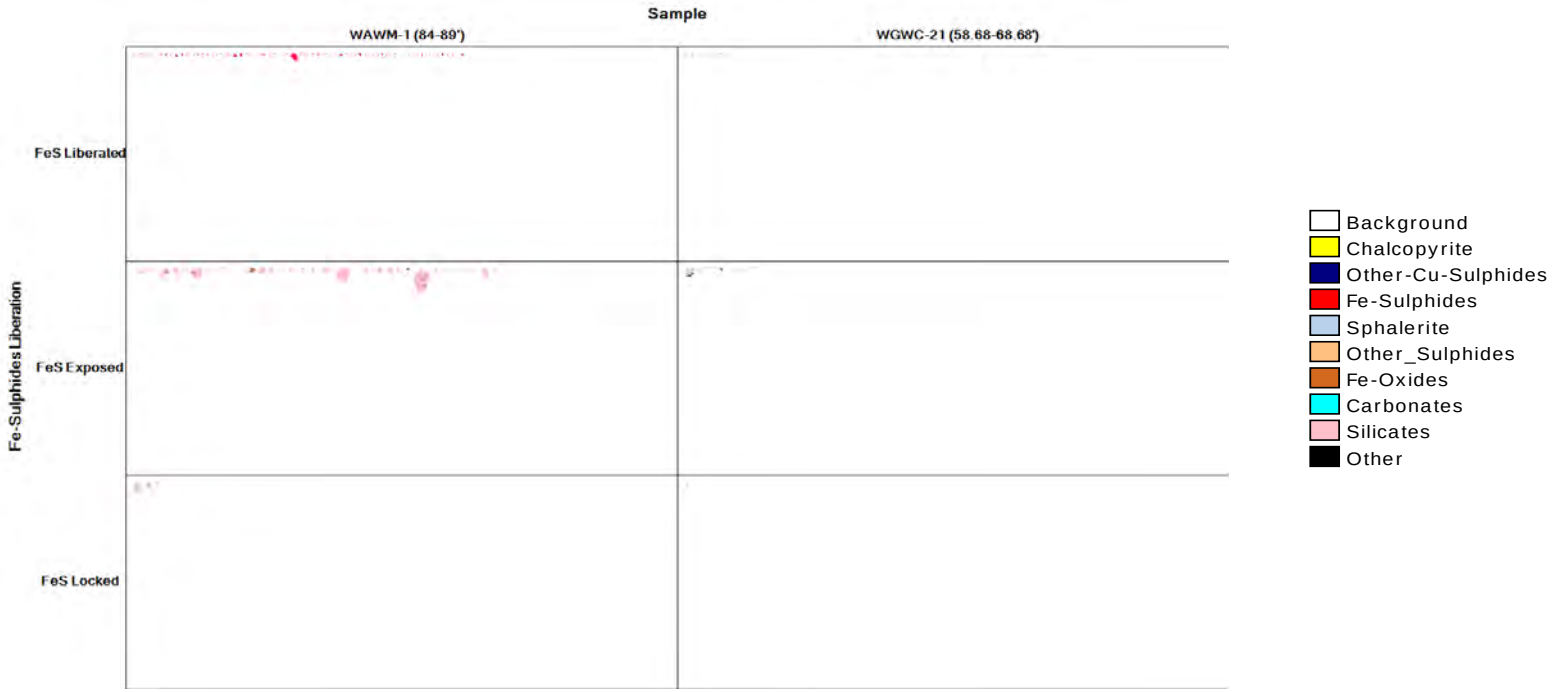
Absolute Mass of Fe-Sulphides Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
FeS Liberated	0.18	0.01
FeS Exposed	0.03	0.01
FeS Locked	0.00	0.00
Total	0.22	0.02



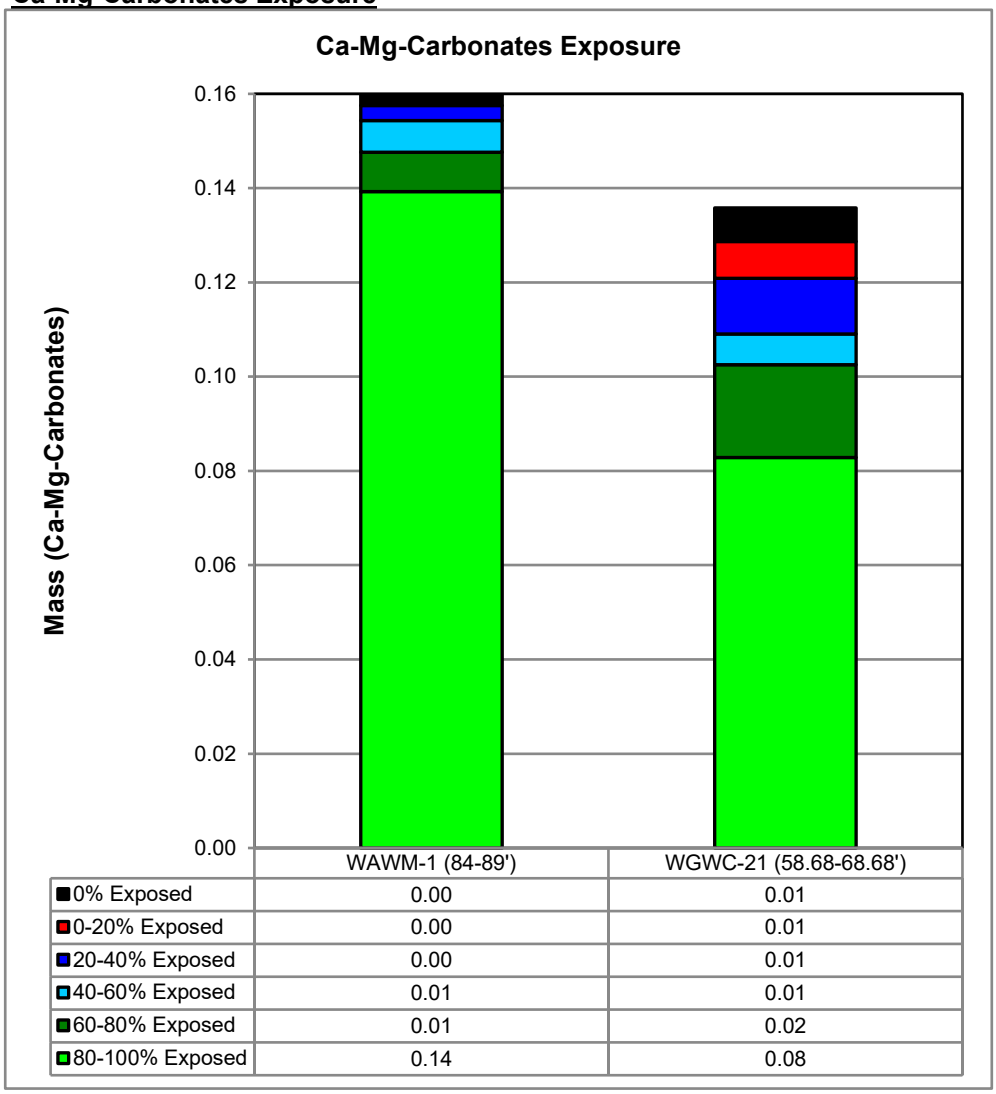
Normalized Mass of Fe-Sulphides Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
FeS Liberated	84.4	50.3
FeS Exposed	15.3	48.6
FeS Locked	0.34	1.11
Total	100.0	100.0


Sample
WAWM-1 (84-89')
WGWC-21 (58.68-68.68')
Fe-Sulphides Liberation
FeS Liberated
FeS Exposed
FeS Locked
Background
Chalcopyrite
Other-Cu-Sulphides
Fe-Sulphides
Sphalerite
Other_Sulphides
Fe-Oxides
Carbonates
Silicates
Other

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

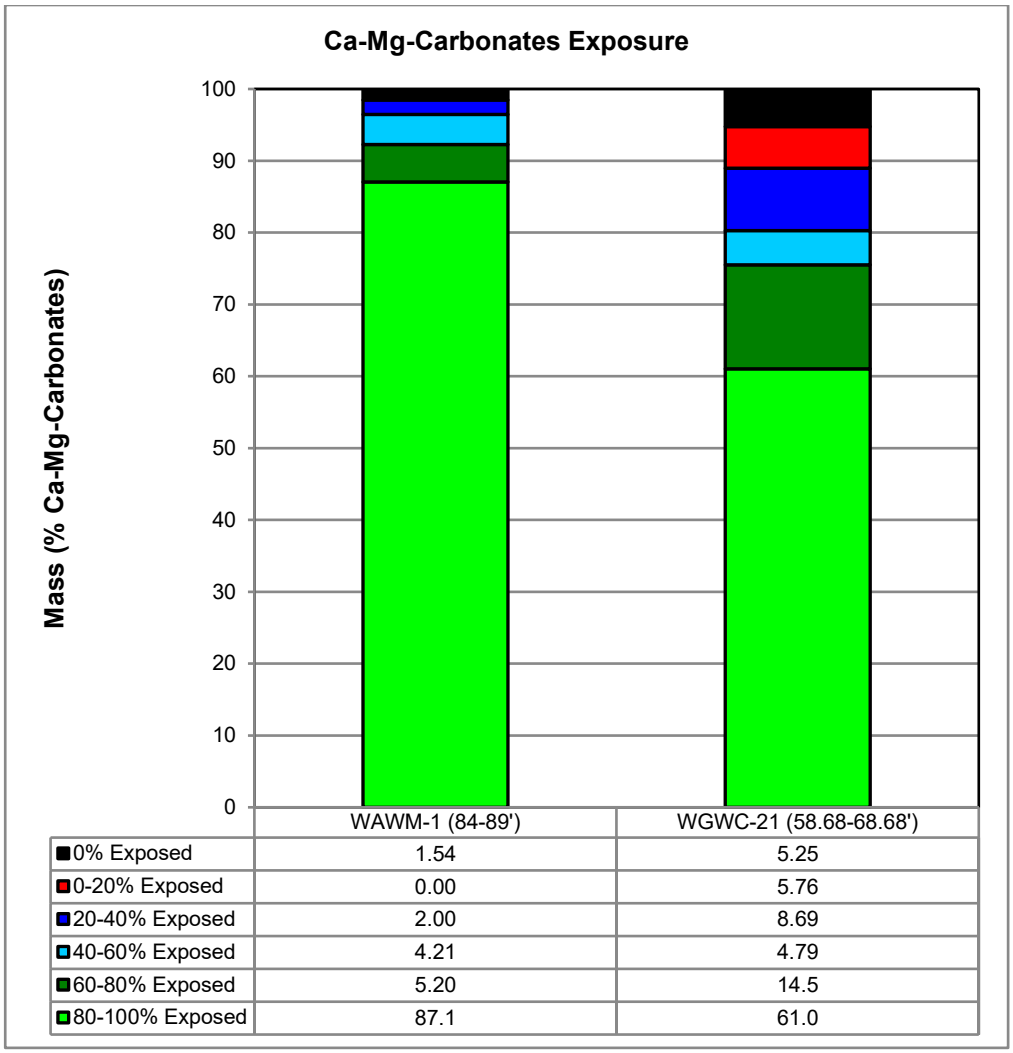
Ca-Mg-Carbonates Exposure



	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
0% Exposed	0.00	0.01
0-20% Exposed	0.00	0.01
20-40% Exposed	0.00	0.01
40-60% Exposed	0.01	0.01
60-80% Exposed	0.01	0.02
80-100% Exposed	0.14	0.08

Absolute Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
80-100% Exposed	0.14	0.08
60-80% Exposed	0.01	0.02
40-60% Exposed	0.01	0.01
20-40% Exposed	0.00	0.01
0-20% Exposed	0.00	0.01
0% Exposed	0.00	0.01
Total	0.16	0.14



	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
0% Exposed	1.54	5.25
0-20% Exposed	0.00	5.76
20-40% Exposed	2.00	8.69
40-60% Exposed	4.21	4.79
60-80% Exposed	5.20	14.5
80-100% Exposed	87.1	61.0

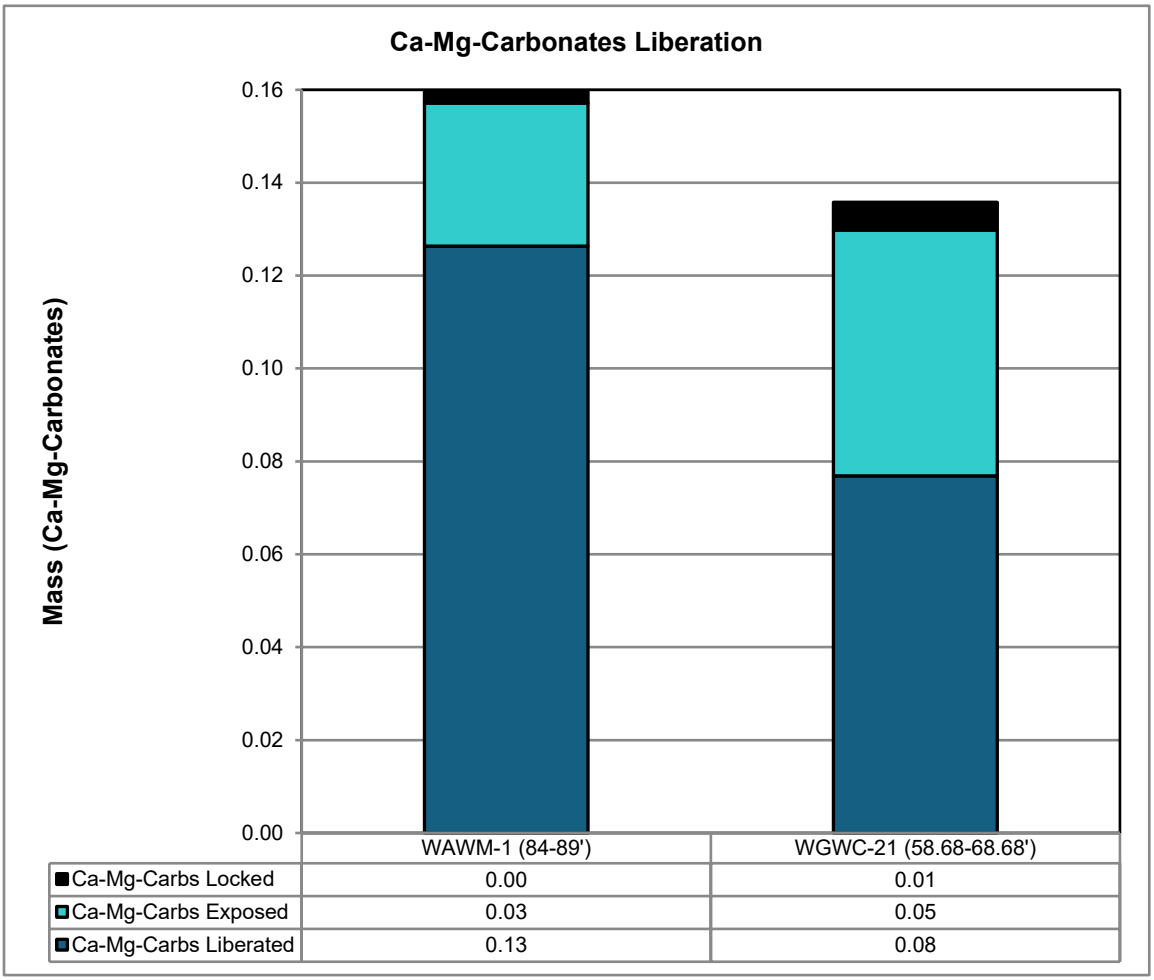
Normalized Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
80-100% Exposed	87.1	61.0
60-80% Exposed	5.20	14.5
40-60% Exposed	4.21	4.79
20-40% Exposed	2.00	8.69
0-20% Exposed	0.00	5.76
0% Exposed	1.54	5.25
Total	100.0	100.0
Total Exposed	92.3	75.5

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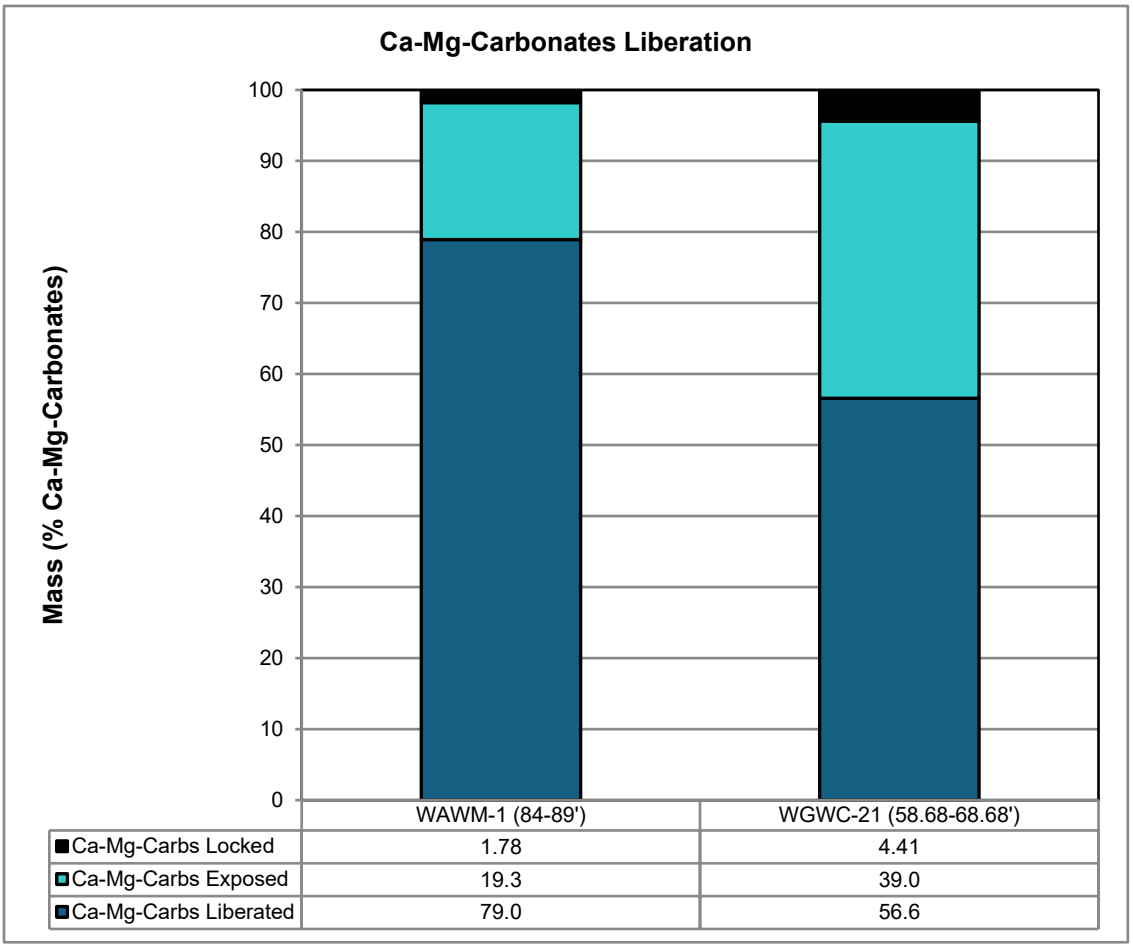
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Ca-Mg-Carbonates Liberation



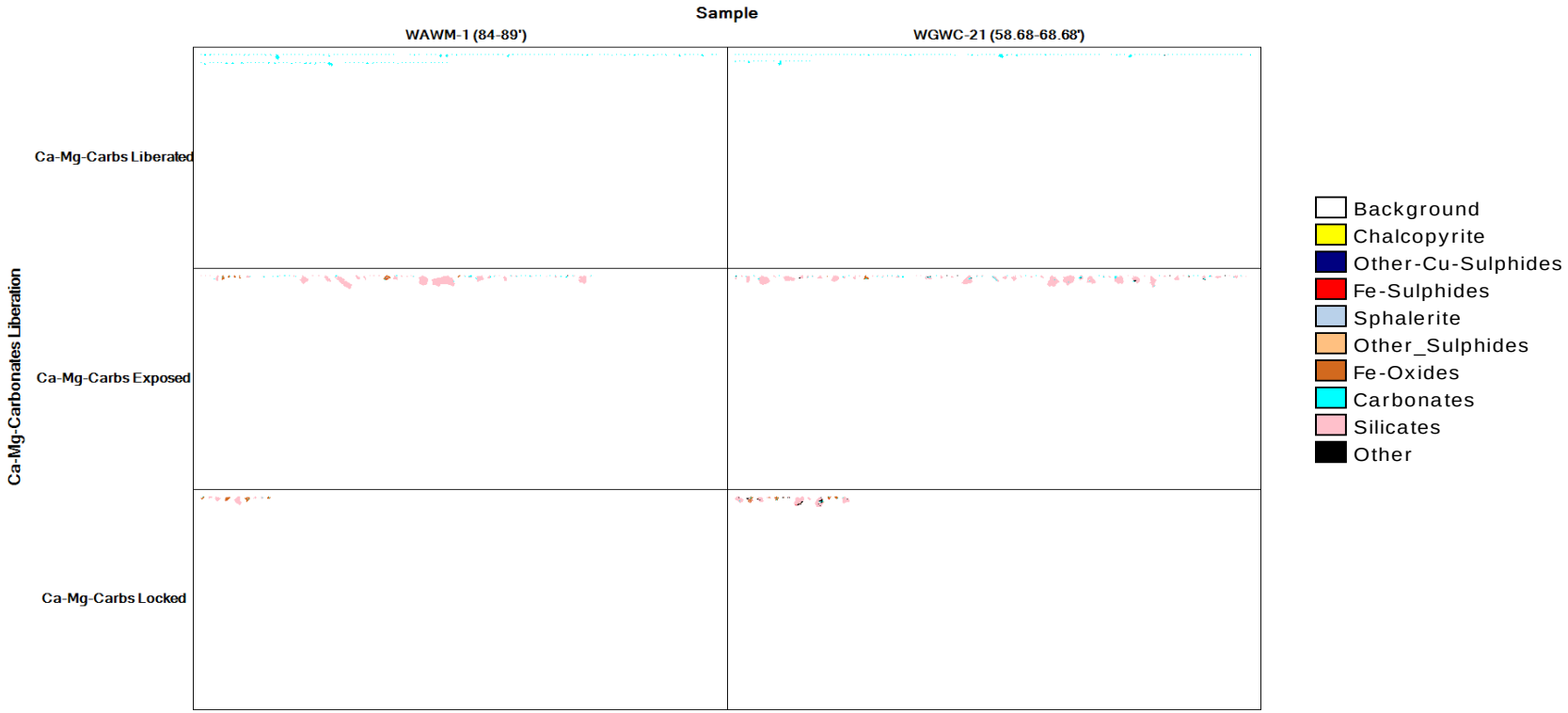
Absolute Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
Ca-Mg-Carbs Liberated	0.13	0.08
Ca-Mg-Carbs Exposed	0.03	0.05
Ca-Mg-Carbs Locked	0.00	0.01
Total	0.16	0.14



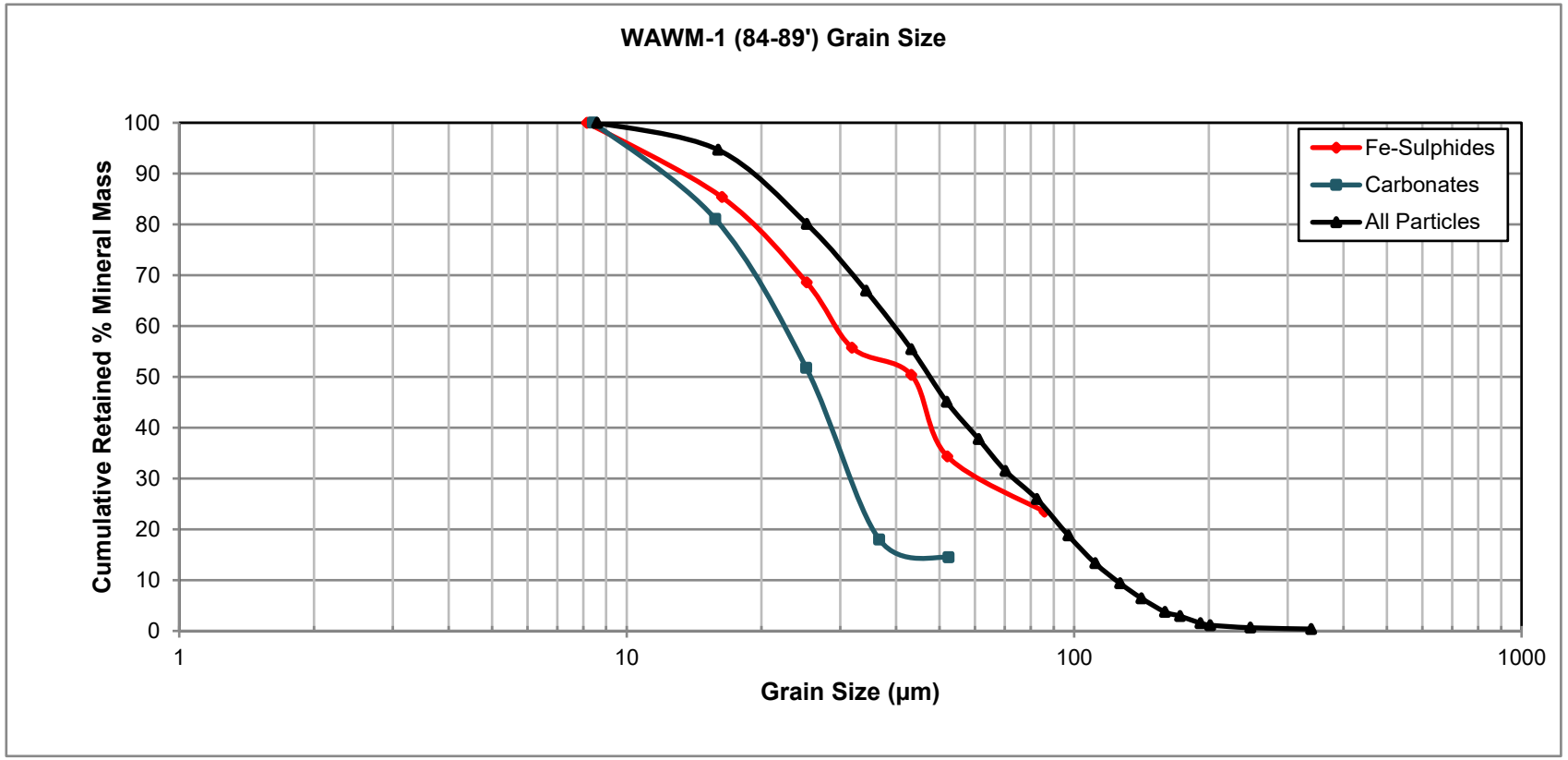
Normalized Mass of Ca-Mg-Carbonates Across Samples

Mineral Name	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
Ca-Mg-Carbs Liberated	79.0	56.6
Ca-Mg-Carbs Exposed	19.3	39.0
Ca-Mg-Carbs Locked	1.78	4.41
Total	100.0	100.0


Sample
WAWM-1 (84-89')
WGWC-21 (58.68-68.68')
Ca-Mg-Carbonates Liberation
Ca-Mg-Carbs Liberated
Ca-Mg-Carbs Exposed
Ca-Mg-Carbs Locked
Background
Chalcopyrite
Other-Cu-Sulphides
Fe-Sulphides
Sphalerite
Other_Sulphides
Fe-Oxides
Carbonates
Silicates
Other

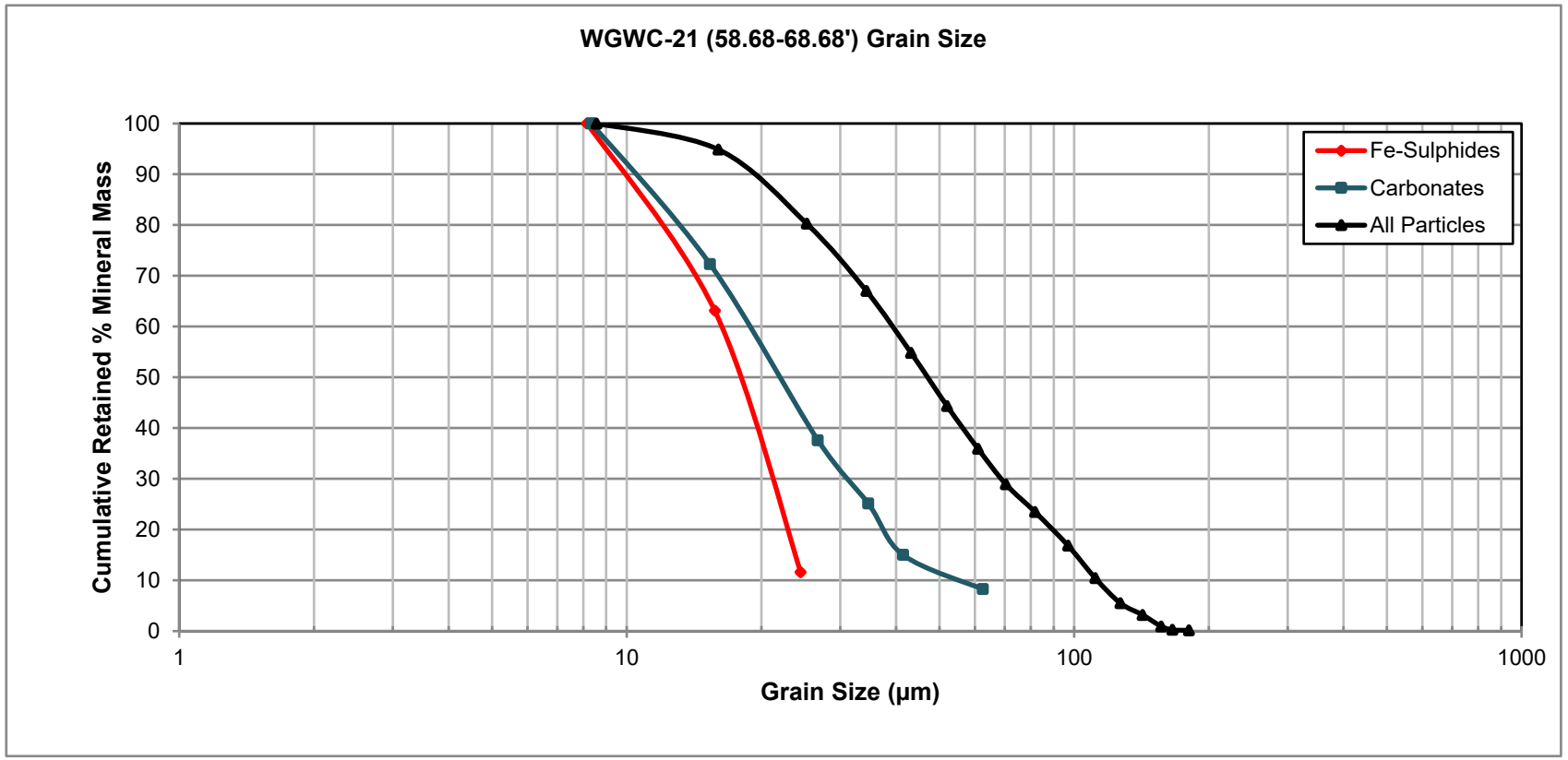
High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Cumulative Retained Grain Size Distribution



High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Cumulative Retained Grain Size Distribution



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High Definition Mineralogical Analysis using QEMSCAN
(Quantitative Evaluation of Materials by Scanning Electron Microscopy)

Mineralogical Acid-Base Accounting

Parameter/Sample	WAWM-1 (84-89')	WGWC-21 (58.68-68.68')
NP from Ca-Mg Carbonates (tonnes CaCO3/1000 tonnes)	1.6	1.4
AP from Fe-Sulphides (tonnes CaCO3/1000 tonnes)	3.6	0.3
NP/AP	0.4	5.3
Available NP/AP	0.4	4.8

Notes:
NP = Neutralization Potential
AP = Acid Generation Potential
"Available NP/AP" takes into account the exposure of Ca-Mg-carbonates and Fe-sulphides

A carbonate/sulphide ratio > 2 indicates probable net neutralizing conditions. Only net acid consuming carbonates (Ca-Mg carbonates) are used for the mineralogical neutralization potential (NP) determination. Only Fe-sulphides are used for the mineralogical acid generation potential (AGP) as they are the main sulphides to contribute to net acidity.

In cases of low carbonate and sulphide abundance (typically <0.5 wt.% of each), values are only semi-quantitative due to low particle statistics for study. More replicate analyses are recommended to properly quantify the NP/AGP potential of these samples.

QEMSCAN Method Summary

Mineral Identification and Interpretation:
The QEM-ARMS, or Automated Rapid Mineral Scan is a method designed to provide simple bulk mineralogy using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy) (METH# 8.11.1) and XRD (X-ray Diffraction, BRUKER AXS D8 Advance Diffractometer). Semi-quantitative mineral abundance, as well as liberation and grain size analyses of one or two key minerals of interest which occur in significant quantities (>1% mineral mass) are presented.

Test Limitations:
The reader should note that this is a semi-quantative study. Any data should be treated as approximations. The study is subject to the representativity of the sample selected, and its accuracy limited by the particle statistics.

XRD Method Summary

Mineral Identification and Interpretation:

Mineral identification and interpretation involve matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds. Mineral proportions are based on relative peak heights and may be strongly influenced by crystallinity, structural group or preferred orientations. Interpretations and relative proportions should be accompanied by supporting petrographic and geochemical data (Whole Rock Analysis, Inductively Coupled Plasma - Optical Emission Spectroscopy, etc.).

The Qualitative XRD method (METH # 8-8-1) used by SGS Minerals Services,
P.O. Box 4300, 185 Concession Street, Lakefield, Ontario, Canada K0L 2H0.
Tel: (705) 652-2000 Fax: (705) 652-6365 Mini-method available upon request.

Terminology for Association data

Association classes were defined as the following;



• **Free Pyrite** - A particle that has >=95% of Pyrite



• **Liberated Pyrite**: A particle that has ≥80 but <95 area% of Pyrite



• **Pyrite**: **Other Sulphides** - A particle that has ≥95 area% of Pyrite + Other Sulphides
• **Pyrite: Quartz/Feldspar** - A particle that has ≥95 area% of Pyrite + Quartz/Feldspar
• **Pyrite: Micas/Clays** - A particle that has ≥95 area% of Pyrite + Micas/Clays
• **Pyrite**: **Oxides** - A particle that has ≥95 area% of Pyrite + Oxides
• **Pyrite: Carbonates** - A particle that has ≥95 area% of Pyrite + Carbonates
• **Complex**: Any combination of the above definitions has been defined as a complex particle.





FINAL REPORT

CA19477-DEC24 R1

WO-GW7327B-3399

Prepared for

Geosyntec Consultant

FINAL REPORT

First Page

CLIENT DETAILS

Client	Geosyntec Consultant
Address	1255 Roberts Blvd Kennesaw, Georgia 30144. USA
Contact	Courtney Collins
Telephone	678-718-4771
Facsimile	
Email	ccollins@geosyntec.com; tkessler@geosyntec.com; areimer@
Project	WO-GW7327B-3399
Order Number	
Samples	Pulp (1)

LABORATORY DETAILS

Project Specialist	Alisha Kelly, B.Sc.,
Laboratory	SGS Canada Inc.
Address	185 Concession St., Lakefield ON, K0L 2H0
Telephone	705-652-2000
Facsimile	705-652-6365
Email	alisha.kelly@sgs.com
SGS Reference	CA19477-DEC24
Received	12/19/2024
Approved	01/30/2025
Report Number	CA19477-DEC24 R1
Date Reported	01/30/2025

COMMENTS

Water Soluble Fraction

SIGNATORIES

Alisha Kelly, B.Sc.,

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Client: Geosyntec Consultant
Project: WO-GW7327B-3399
Project Manager: Courtney Collins
Samplers: Dalton Kegley

MATRIX: SOIL

Sample Number	5
Sample Name	SB-24 (31-37')
Sample Matrix	Pulp
Sample Date	04/12/2024

Parameter	Units	RL		Result
Metals and Inorganics				
Aluminum	µg/g	1		130
Beryllium	µg/g	0.02		< 0.02
Cobalt	µg/g	0.01		0.02
Iron	µg/g	1		97
Manganese	µg/g	0.5		1.0

QC SUMMARY

Metals in Soil - Aqua-regia/ICP-MS

Method: EPA 3050/EPA 200.8 | Internal ref.: ME-CA-[ENV]SPE-LAK-AN-005

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Aluminum	EMS0010-JAN25	ug/g	1	<1	4	20	92	70	130	NV	70	130
Beryllium	EMS0010-JAN25	ug/g	0.02	<0.02	ND	20	91	70	130	NV	70	130
Cobalt	EMS0010-JAN25	µg/g	0.01	<0.01	13	20	96	70	130	NV	70	130
Iron	EMS0010-JAN25	µg/g	1	<1	6	20	94	70	130	NV	70	130
Manganese	EMS0010-JAN25	ug/g	0.5	<0.5	4	20	98	70	130	NV	70	130

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.
Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.
LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate laboratory accuracy with sample matrix effects.
Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.
RL: Reporting limit
RPD: Relative percent difference
AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.
Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.
Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

QC SUMMARY

LEGEND

FOOTNOTES

NSS Insufficient sample for analysis.
RL Reporting Limit.
↑ Reporting limit raised.
↓ Reporting limit lowered.
NA The sample was not analysed for this analyte
ND Non Detect

Results relate only to the sample tested.
Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.
"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

SGS provides criteria information (such as regulatory or guideline limits and summary of limit exceedances) as a service. Every attempt is made to ensure the criteria information in this report is accurate and current, however, it is not guaranteed. Comparison to the most current criteria is the responsibility of the client and SGS assumes no responsibility for the accuracy of the criteria levels indicated.

SGS Canada Inc. statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.
This document is issued, on the Client's behalf, by the Company under its General Conditions of Service available on request and accessible at http://www.sgs.com/terms_and_conditions.htm.
The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Reproduction of this analytical report in full or in part is prohibited.

This report supersedes all previous versions.

-- End of Analytical Report --

SGS

Request for Laboratory Services and CHAIN OF CUSTODY (Mining)

SGS Environmental Services - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2000 Toll Free: 877-747-7658 Fax: 705-652-6365 Web: www.ca.sgs.com (4)

SGS Environmental Services - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361 Web: www.ca.sgs.com (4)

Laboratory Information Section

Received Date (mm/dd/yyyy): __/__/____

Skid # (if applicable): Temperature Upon Receipt (°C):

LAB LIMS #: CA19475-86 DEC.24. P.G.

Billing & Reporting Information

Invoice/Receipt to (3):

Company: Geosyntec Consultants

Attention: Courtney Collins,

Address: 1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144

Email: Ccollins@geosyntec.com ; corporateapinvoices@geosyntec.com

Quote #: 2025 255 dated 12/4/2024

Attached Parameter List: ☐ YES ☐ NO

Turnaround Time

Is *Rush Turnaround Time Required? ☐ YES ☐ NO

Specify:

* Rush TA Requests Require Lab Approval

Project Name/Number: GW73278/08/10 | P.O. #:

Client Information/Report To: | Client Lab #:

Company Name:	Geosyntec Consultants	Phone Number:	678.718.4771
Contact Name:	Courtney Collins, Lauren Fitzgerald	Fax Number:	
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144	E-mail:	Ccollins@geosyntec.com ; lafitzgerald@geosyntec.com
Copy to:			

Samples will be sent to paid storage after 3 months unless otherwise requested. Additional storage and shipping costs will be charged to the client. If the samples should be returned, please provide courier account information.

After analysis samples are to be:	Disposed ☐	Stored (At client's cost) *Default ☐	Multi-phase project (Automatic storage) ☐
Returned to client ☐	Return courier:	Acct:	

IMPORTANT: If samples contain known Hazards, please label accordingly and identify below:

☐ NORM (Normally Occuring Radioactive Material) ☐ Asbestos ☐ Other:

Special Instructions: ☐ See Attached or:

Sample Information

Sample Identifier	Date Sampled (mm/dd/yy)	Time Sampled	# of Containers	Analysis Requested (please enter the analysis required below and check off which analysis applies to each sample)							
				Total Metals (Trace Metals Scan)	XRD	WRA	SEP (Ba, Co, Fe, Al, Mn)	CEC	QEMSCAN	Total Carbon/Total Sulfur	
SB-24 (31-37')	12/4/2024	1100	1	X	X	X	X	X	X	X	homogenize sample prior to analyzing

Sampled By (1):	Dalton Kegley		Date:	12/17/24 (12/17/24)
Relinquished by (2):	Dalton Kegley		Date:	12/17/24 (12/17/24)

Note: (1) Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. (4) Completion of work may require the subcontracting of samples between the London and Lakefield laboratories.

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. (Printed copies are available upon request.) Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

fedex: 770853221380 19-Dec-2024 16:54 BW





FINAL REPORT

CA19478-DEC24 R1

WO-GW7327B-3399

Prepared for

Geosyntec Consultant

FINAL REPORT

CA19478-DEC24 R1

First Page

CLIENT DETAILS

Client	Geosyntec Consultant
Address	1255 Roberts Blvd Kennesaw, Georgia 30144. USA
Contact	Courtney Collins
Telephone	678-718-4771
Facsimile	
Email	ccollins@geosyntec.com; tkessler@geosyntec.com; areimer@
Project	WO-GW7327B-3399
Order Number	
Samples	Pulp (1)

LABORATORY DETAILS

Project Specialist	Alisha Kelly, B.Sc.,
Laboratory	SGS Canada Inc.
Address	185 Concession St., Lakefield ON, K0L 2H0
Telephone	705-652-2000
Facsimile	705-652-6365
Email	alisha.kelly@sgs.com
SGS Reference	CA19478-DEC24
Received	12/19/2024
Approved	01/30/2025
Report Number	CA19478-DEC24 R1
Date Reported	01/30/2025

COMMENTS

Fraction 2 Exchangeable Metals

SIGNATORIES

Alisha Kelly, B.Sc.,



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Client: Geosyntec Consultant
Project: WO-GW7327B-3399
Project Manager: Courtney Collins
Samplers: Dalton Kegley

MATRIX: SOIL

Sample Number	5
Sample Name	SB-24 (31-37')
Sample Matrix	Pulp
Sample Date	04/12/2024

Parameter	Units	RL		Result
Metals and Inorganics				
Aluminum	µg/g	1		13
Beryllium	µg/g	0.02		< 0.02
Cobalt	µg/g	0.01		< 0.01
Iron	µg/g	1		9
Manganese	µg/g	0.5		3.3

QC SUMMARY

Metals in Soil - Aqua-regia/ICP-MS

Method: EPA 3050/EPA 200.8 | Internal ref.: ME-CA-[ENV]SPE-LAK-AN-005

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Aluminum	EMS0010-JAN25	ug/g	1	<1	4	20	92	70	130	NV	70	130
Beryllium	EMS0010-JAN25	ug/g	0.02	<0.02	ND	20	91	70	130	NV	70	130
Cobalt	EMS0010-JAN25	µg/g	0.01	<0.01	13	20	96	70	130	NV	70	130
Iron	EMS0010-JAN25	µg/g	1	<1	6	20	94	70	130	NV	70	130
Manganese	EMS0010-JAN25	ug/g	0.5	<0.5	4	20	98	70	130	NV	70	130

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.
Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.
LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.
Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate laboratory accuracy with sample matrix effects.
Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.
RL: Reporting limit
RPD: Relative percent difference
AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.
Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.
Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

QC SUMMARY

LEGEND

FOOTNOTES

NSS	Insufficient sample for analysis.
RL	Reporting Limit.
↑	Reporting limit raised.
↓	Reporting limit lowered.
NA	The sample was not analysed for this analyte
ND	Non Detect

Results relate only to the sample tested.
Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.
"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

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This report supersedes all previous versions.

-- End of Analytical Report --

SGS

Request for Laboratory Services and CHAIN OF CUSTODY (Mining)

SGS Environmental Services - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2000 Toll Free: 877-747-7658 Fax: 705-652-6365 Web: www.ca.sgs.com (4)
SGS Environmental Services - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361 Web: www.ca.sgs.com (4)

Laboratory Information Section

Received Date (mm/dd/yyyy): __/__/____
Skid # (if applicable): Temperature Upon Receipt (°C):
LAB LIMS #: CA19475-86 DEC.24. P.G.

Billing & Reporting Information

Invoice/Receipt to (3):
Company: Geosyntec Consultants
Attention: Courtney Collins,
Address: 1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144
Email: Collins@geosyntec.com ; corporateapinvoices@geosyntec.com

Project Name/Number: GW7327B/08/10 | P.O. #:

Quote #: 2025 255 dated 12/4/2024
Attached Parameter List: ☐ YES ☐ NO

Turnaround Time

Is *Rush Turnaround Time Required? ☐ YES ☐ NO
Specify:
* Rush TA Requests Require Lab Approval

Client Information/Report To: | Client Lab #:

Company Name:	Geosyntec Consultants	Phone Number:	678.718.4771
Contact Name:	Courtney Collins, Lauren Fitzgerald	Fax Number:	
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144	E-mail:	Collins@geosyntec.com ; lfitzgerald@geosyntec.com
Copy to:			

Samples will be sent to paid storage after 3 months unless otherwise requested. Additional storage and shipping costs will be charged to the client. If the samples should be returned, please provide courier account information.

After analysis samples are to be:	Disposed ☐	Stored (At client's cost) *Default ☐	Multi-phase project (Automatic storage) ☐
Returned to client ☐	Return courier:	Acct:	

IMPORTANT: If samples contain known Hazards, please label accordingly and identify below

☐NORM (Normally Occuring Radioactive Material) ☐ Asbestos ☐ Other:

Special Instructions: ☐See Attached or:

Sample Information

Sample Identifier	Date Sampled (mm/dd/yy)	Time Sampled	# of Containers	Analysis Requested (please enter the analysis required below and check off which analysis applies to each sample)							
				Total Metals (Trace Metals Scan)	XRD	WRA	SEP (Ba, Co, Fe, Al, Mn)	CEC	QEMSCAN	Total Carbon/Total Sulfur	
SB-24 (31-37')	12/4/2024	1100	1	X	X	X	X	X	X	X	homogenize sample prior to analyzing

Sampled By (1):	Dalton Kegley	Date:	12/17/24 (12/17/24)
Relinquished by (2):	Dalton Kegley	Date:	12/17/24 (12/17/24)

Note: (1) Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. (4) Completion of work may require the subcontracting of samples between the London and Lakefield laboratories.

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FINAL REPORT

CA19479-DEC24 R1

WO-GW7327B-3399

Prepared for

Geosyntec Consultant

FINAL REPORT

CA19479-DEC24 R1

First Page

CLIENT DETAILS

Client	Geosyntec Consultant
Address	1255 Roberts Blvd Kennesaw, Georgia 30144. USA
Contact	Courtney Collins
Telephone	678-718-4771
Facsimile	
Email	ccollins@geosyntec.com; tkessler@geosyntec.com; areimer@
Project	WO-GW7327B-3399
Order Number	
Samples	Pulp (1)

LABORATORY DETAILS

Project Specialist	Alisha Kelly, B.Sc.,
Laboratory	SGS Canada Inc.
Address	185 Concession St., Lakefield ON, K0L 2H0
Telephone	705-652-2000
Facsimile	705-652-6365
Email	alisha.kelly@sgs.com
SGS Reference	CA19479-DEC24
Received	12/19/2024
Approved	01/30/2025
Report Number	CA19479-DEC24 R1
Date Reported	01/30/2025

COMMENTS

Fraction 3 Metals Bound to Carbonates

SIGNATORIES

Alisha Kelly, B.Sc.,



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Client: Geosyntec Consultant
Project: WO-GW7327B-3399
Project Manager: Courtney Collins
Samplers: Dalton Kegley

MATRIX: SOIL

Sample Number	5
Sample Name	SB-24 (31-37')
Sample Matrix	Pulp
Sample Date	04/12/2024

Parameter	Units	RL		Result
Metals and Inorganics				
Aluminum	µg/g	1		170
Beryllium	µg/g	0.02		0.04
Cobalt	µg/g	0.01		0.25
Iron	µg/g	1		120
Manganese	µg/g	0.1		39

QC SUMMARY

Metals in Soil - Aqua-regia/ICP-MS

Method: EPA 3050/EPA 200.8 | Internal ref.: ME-CA-[ENV]SPE-LAK-AN-005

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Aluminum	EMS0010-JAN25	ug/g	1	<1	4	20	92	70	130	NV	70	130
Beryllium	EMS0010-JAN25	ug/g	0.02	<0.02	ND	20	91	70	130	NV	70	130
Cobalt	EMS0010-JAN25	µg/g	0.01	<0.01	13	20	96	70	130	NV	70	130
Iron	EMS0010-JAN25	µg/g	1	<1	6	20	94	70	130	NV	70	130
Manganese	EMS0010-JAN25	ug/g	0.1	<0.5	4	20	98	70	130	NV	70	130

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QC SUMMARY

LEGEND

FOOTNOTES

NSS	Insufficient sample for analysis.
RL	Reporting Limit.
↑	Reporting limit raised.
↓	Reporting limit lowered.
NA	The sample was not analysed for this analyte
ND	Non Detect

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-- End of Analytical Report --

SGS

Request for Laboratory Services and CHAIN OF CUSTODY (Mining)

SGS Environmental Services - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2000 Toll Free: 877-747-7658 Fax: 705-652-6365 Web: www.ca.sgs.com (4)

SGS Environmental Services - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361 Web: www.ca.sgs.com (4)

Laboratory Information Section

Received Date (mm/dd/yyyy): __ __ / __ __ / __ __ __ __

Skid # (if applicable): Temperature Upon Receipt (°C):

LAB LIMS #: CA19475-86 DEC.24. P.G.

Billing & Reporting Information

Invoice/Receipt to (3):

Company: Geosyntec Consultants

Attention: Courtney Collins,

Address: 1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144

Email: Ccollins@geosyntec.com ; corporateapinvoice@geosyntec.com

Project Name/Number: GW7327B/08/10 P.O. #:

Quote #: 2025 255 dated 12/4/2024

Attached Parameter List: ☐ YES ☐ NO

Turnaround Time

Is *Rush Turnaround Time Required? ☐ YES ☐ NO

Specify:

* Rush TA Requests Require Lab Approval

Client Information/Report To:

Client Lab #:

Company Name:	Geosyntec Consultants	Phone Number:	678.718.4771
Contact Name:	Courtney Collins, Lauren Fitzgerald	Fax Number:	
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144	E-mail:	Ccollins@geosyntec.com ; lfitzgerald@geosyntec.com
Copy to:			

Samples will be sent to paid storage after 3 months unless otherwise requested. Additional storage and shipping costs will be charged to the client. If the samples should be returned, please provide courier account information.

After analysis samples are to be:	Disposed ☐	Stored (At client's cost) *Default ☐	Multi-phase project (Automatic storage) ☐
Returned to client ☐	Return courier:	Acct:	

IMPORTANT: If samples contain known Hazards, please label accordingly and identify below:

☐ NORM (Normally Occuring Radioactive Material) ☐ Asbestos ☐ Other:

Special Instructions: ☐ See Attached or:

Sample Information

Sample Identifier	Date Sampled (mm/dd/yy)	Time Sampled	# of Containers	Analysis Requested (please enter the analysis required below and check off which analysis applies to each sample)							
				Total Metals (Trace Metals Scan)	XRD	WRA	SEP (Ba, Co, Fe, Al, Mn)	CEC	QEMSCAN	Total Carbon/Total Sulfur	
SB-24 (31-37')	12/4/2024	1100	1	X	X	X	X	X	X	X	homogenize sample prior to analyzing

Sampled By (1):	Dalton Kegley		Date:	(12/17/24)
Relinquished by (2):	Dalton Kegley		Date:	(12/17/24)

Note: (1) Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. (4) Completion of work may require the subcontracting of samples between the London and Lakefield laboratories.

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FINAL REPORT

CA19480-DEC24 R1

WO-GW7327B-3399

Prepared for

Geosyntec Consultant

FINAL REPORT

CA19480-DEC24 R1

First Page

CLIENT DETAILS

Client	Geosyntec Consultant
Address	1255 Roberts Blvd Kennesaw, Georgia 30144. USA
Contact	Courtney Collins
Telephone	678-718-4771
Facsimile	
Email	ccollins@geosyntec.com; tkessler@geosyntec.com; areimer@
Project	WO-GW7327B-3399
Order Number	
Samples	Pulp (1)

LABORATORY DETAILS

Project Specialist	Alisha Kelly, B.Sc.,
Laboratory	SGS Canada Inc.
Address	185 Concession St., Lakefield ON, K0L 2H0
Telephone	705-652-2000
Facsimile	705-652-6365
Email	alisha.kelly@sgs.com
SGS Reference	CA19480-DEC24
Received	12/19/2024
Approved	01/30/2025
Report Number	CA19480-DEC24 R1
Date Reported	01/30/2025

COMMENTS

Fraction 4 Metals Bound to Fe and Mn Oxides

SIGNATORIES

Alisha Kelly, B.Sc.,



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Client: Geosyntec Consultant
Project: WO-GW7327B-3399
Project Manager: Courtney Collins
Samplers: Dalton Kegley

MATRIX: SOIL

Sample Number	5
Sample Name	SB-24 (31-37')
Sample Matrix	Pulp
Sample Date	04/12/2024

Parameter	Units	RL		Result
Metals and Inorganics				
Aluminum	µg/g	1		1500
Beryllium	µg/g	0.02		0.22
Cobalt	µg/g	0.01		0.34
Iron	µg/g	1		2000
Manganese	µg/g	0.5		26

QC SUMMARY

Metals in Soil - Aqua-regia/ICP-MS

Method: EPA 3050/EPA 200.8 | Internal ref.: ME-CA-[ENV]SPE-LAK-AN-005

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
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Aluminum	EMS0010-JAN25	ug/g	1	<1	4	20	92	70	130	NV	70	130
Beryllium	EMS0010-JAN25	ug/g	0.02	<0.02	ND	20	91	70	130	NV	70	130
Cobalt	EMS0010-JAN25	µg/g	0.01	<0.01	13	20	96	70	130	NV	70	130
Iron	EMS0010-JAN25	µg/g	1	<1	6	20	94	70	130	NV	70	130
Manganese	EMS0010-JAN25	ug/g	0.5	<0.5	4	20	98	70	130	NV	70	130

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QC SUMMARY

LEGEND

FOOTNOTES

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Laboratory Information Section

Received Date (mm/dd/yyyy): __ __ / __ __ / __ __ __ __

Skid # (if applicable): Temperature Upon Receipt (°C):

LAB LIMS #: CA19475-86 DEC.24. P.G.

Billing & Reporting Information

Invoice/Receipt to (3):

Company: Geosyntec Consultants

Attention: Courtney Collins,

Address: 1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144

Email: Ccollins@geosyntec.com ; corporateapinvoices@geosyntec.com

Quote #: 2025 255 dated 12/4/2024

Attached Parameter List: ☐ YES ☐ NO

Turnaround Time

Is *Rush Turnaround Time Required? ☐ YES ☐ NO

Specify:

* Rush TA Requests Require Lab Approval

Project Name/Number: GW73278/08/10 P.O. #:

Client Information/Report To: Client Lab #:

Company Name:	Geosyntec Consultants	Phone Number:	678.718.4771
Contact Name:	Courtney Collins, Lauren Fitzgerald	Fax Number:	
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144	E-mail:	Ccollins@geosyntec.com ; lafitzgerald@geosyntec.com
Copy to:			

Samples will be sent to paid storage after 3 months unless otherwise requested. Additional storage and shipping costs will be charged to the client. If the samples should be returned, please provide courier account information.

After analysis samples are to be:	Disposed ☐	Stored (At client's cost) *Default ☐	Multi-phase project (Automatic storage) ☐
Returned to client ☐	Return courier:	Acct:	

IMPORTANT: If samples contain known Hazards, please label accordingly and identify below

☐NORM (Normally Occuring Radioactive Material) ☐ Asbestos ☐ Other:

Special Instructions: ☐See Attached or:

Sample Information

Sample Identifier	Date Sampled (mm/dd/yy)	Time Sampled	# of Containers	Analysis Requested (please enter the analysis required below and check off which analysis applies to each sample)							
				Total Metals (Trace Metals Scan)	XRD	WRA	SEP (Be, Co, Fe, Al, Mn)	CEC	QEMSCAN	Total Carbon/Total Sulfur	
SB-24 (31-37')	12/4/2024	1100	1	X	X	X	X	X	X	X	homogenize sample prior to analyzing

Sampled By (1): Dalton Kegley Date: 12/17/24 (12/17/24)

Relinquished by (2): Dalton Kegley Date: 12/17/24 (12/17/24)

Note: (1) Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. (4) Completion of work may require the subcontracting of samples between the London and Lakefield laboratories.

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FINAL REPORT

CA19481-DEC24 R1

WO-GW7327B-3399

Prepared for

Geosyntec Consultant

FINAL REPORT

CA19481-DEC24 R1

First Page

CLIENT DETAILS

Client	Geosyntec Consultant
Address	1255 Roberts Blvd Kennesaw, Georgia 30144. USA
Contact	Courtney Collins
Telephone	678-718-4771
Facsimile	
Email	ccollins@geosyntec.com; tkessler@geosyntec.com; areimer@
Project	WO-GW7327B-3399
Order Number	
Samples	Pulp (1)

LABORATORY DETAILS

Project Specialist	Alisha Kelly, B.Sc.,
Laboratory	SGS Canada Inc.
Address	185 Concession St., Lakefield ON, K0L 2H0
Telephone	705-652-2000
Facsimile	705-652-6365
Email	alisha.kelly@sgs.com
SGS Reference	CA19481-DEC24
Received	12/19/2024
Approved	01/30/2025
Report Number	CA19481-DEC24 R1
Date Reported	01/30/2025

COMMENTS

Fraction 5 Bound to Organic Material

SIGNATORIES

Alisha Kelly, B.Sc.,



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Client: Geosyntec Consultant
Project: WO-GW7327B-3399
Project Manager: Courtney Collins
Samplers: Dalton Kegley

MATRIX: SOIL

Sample Number 5
Sample Name SB-24 (31-37')
Sample Matrix Pulp
Sample Date 04/12/2024

Parameter	Units	RL		Result
Metals and Inorganics				
Aluminum	µg/g	1		400
Beryllium	µg/g	0.02		0.03
Cobalt	µg/g	0.01		0.21
Iron	µg/g	1		34
Manganese	µg/g	0.1		1.5

QC SUMMARY

Metals in Soil - Aqua-regia/ICP-MS

Method: EPA 3050/EPA 200.8 | Internal ref.: ME-CA-[ENV]SPE-LAK-AN-005

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Aluminum	EMS0010-JAN25	ug/g	1	<1	4	20	92	70	130	NV	70	130
Beryllium	EMS0010-JAN25	ug/g	0.02	<0.02	ND	20	91	70	130	NV	70	130
Cobalt	EMS0010-JAN25	µg/g	0.01	<0.01	13	20	96	70	130	NV	70	130
Iron	EMS0010-JAN25	µg/g	1	<1	6	20	94	70	130	NV	70	130
Manganese	EMS0010-JAN25	ug/g	0.1	<0.5	4	20	98	70	130	NV	70	130

Method Blank: a blank matrix that is carried through the entire analytical procedure. Used to assess laboratory contamination.

Duplicate: Paired analysis of a separate portion of the same sample that is carried through the entire analytical procedure. Used to evaluate measurement precision.

LCS/Spike Blank: Laboratory control sample or spike blank refer to a blank matrix to which a known amount of analyte has been added. Used to evaluate analyte recovery and laboratory accuracy without sample matrix effects.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate laboratory accuracy with sample matrix effects.

Reference Material: a material or substance matrix matched to the samples that contains a known amount of the analyte of interest. A reference material may be used in place of a matrix spike.

RL: Reporting limit

RPD: Relative percent difference

AC: Acceptance criteria

Multielement Scan Qualifier: as the number of analytes in a scan increases, so does the chance of a limit exceedance by random chance as opposed to a real method problem. Thus, in multielement scans, for the LCS and matrix spike, up to 10% of the analytes may exceed the quoted limits by up to 10% absolute and the spike is considered acceptable.

Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.

Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

QC SUMMARY

LEGEND

FOOTNOTES

NSS Insufficient sample for analysis.
RL Reporting Limit.
↑ Reporting limit raised.
↓ Reporting limit lowered.
NA The sample was not analysed for this analyte
ND Non Detect

Results relate only to the sample tested.
Data reported represent the sample as submitted to SGS. Solid samples expressed on a dry weight basis.
"Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
Analysis conducted on samples submitted pursuant to or as part of Reg. 153/04, are in accordance to the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality" published by the Ministry and dated March 9, 2004 as amended.

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This report supersedes all previous versions.

-- End of Analytical Report --

SGS

Request for Laboratory Services and CHAIN OF CUSTODY (Mining)

SGS Environmental Services - Lakefield: 185 Concession St., Lakefield, ON K0L 2H0 Phone: 705-652-2000 Toll Free: 877-747-7658 Fax: 705-652-6365 Web: www.ca.sgs.com (4)

SGS Environmental Services - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361 Web: www.ca.sgs.com (4)

Laboratory Information Section

Received Date (mm/dd/yyyy): __ __ / __ __ / __ __ __ __

Skid # (if applicable): Temperature Upon Receipt (°C):

LAB LIMS #: CA19475-86 DEC.24. P.G.

Billing & Reporting Information

Invoice/Receipt to (3):

Company:	Geosyntec Consultants
Attention:	Courtney Collins,
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144
Email:	Ccollins@geosyntec.com ; corporateapinvoices@geosyntec.com

Quote #: 2025 255 dated 12/4/2024

Attached Parameter List: ☐ YES ☐ NO

Turnaround Time

Is *Rush Turnaround Time Required? ☐ YES ☐ NO

Specify:

* Rush TA Requests Require Lab Approval

Project Name/Number:	GW7327B/08/10	P.O. #:	

Client Information/Report To:

Client Lab #:

Company Name:	Geosyntec Consultants	Phone Number:	678.718.4771
Contact Name:	Courtney Collins, Lauren Fitzgerald	Fax Number:	
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144	E-mail:	Ccollins@geosyntec.com ; lafitzgerald@geosyntec.com
Copy to:			

Samples will be sent to paid storage after 3 months unless otherwise requested. Additional storage and shipping costs will be charged to the client. If the samples should be returned, please provide courier account information.

After analysis samples are to be:	Disposed ☐	Stored (At client's cost) *Default ☐	Multi-phase project (Automatic storage) ☐
Returned to client ☐	Return courier:	Acct:	

IMPORTANT: If samples contain known Hazards, please label accordingly and identify below:

☐NORM (Normally Occuring Radioactive Material) ☐ Asbestos ☐ Other:

Special Instructions: ☐See Attached: or:

Sample Information

Sample Identifier	Date Sampled (mm/dd/yy)	Time Sampled	# of Containers	Analysis Requested (please enter the analysis required below and check off which analysis applies to each sample)							
				Total Metals (Trace Metals Scan)	XRD	WRA	SEP (Be, Co, Fe, Al, Mn)	CEC	QEMSCAN	Total Carbon/Total Sulfur	
SB-24 (31-37')	12/4/2024	1100	1	X	X	X	X	X	X	X	homogenize sample prior to analyzing

Sampled By (1):	Dalton Kegley		Date:	12/17/24 (12/17/24)
Relinquished by (2):	Dalton Kegley		Date:	12/17/24 (12/17/24)

Note: (1) Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. (4) Completion of work may require the subcontracting of samples between the London and Lakefield laboratories.

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FINAL REPORT

CA19482-DEC24 R1

WO-GW7327B-3399

Prepared for

Geosyntec Consultant

FINAL REPORT

CA19482-DEC24 R1

First Page

CLIENT DETAILS		LABORATORY DETAILS	
Client	Geosyntec Consultant	Project Specialist	Alisha Kelly, B.Sc.,
		Laboratory	SGS Canada Inc.
Address	1255 Roberts Blvd Kennesaw, Georgia 30144. USA	Address	185 Concession St., Lakefield ON, K0L 2H0
Contact	Courtney Collins	Telephone	705-652-2000
Telephone	678-718-4771	Facsimile	705-652-6365
Facsimile		Email	alisha.kelly@sgs.com
Email	ccollins@geosyntec.com; tkessler@geosyntec.com; areimer@	SGS Reference	CA19482-DEC24
Project	WO-GW7327B-3399	Received	12/19/2024
Order Number		Approved	01/30/2025
Samples	Pulp (1)	Report Number	CA19482-DEC24 R1
		Date Reported	01/30/2025

COMMENTS

Fraction 6 Residual metals

SIGNATORIES

Alisha Kelly, B.Sc.,



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Client: Geosyntec Consultant
Project: WO-GW7327B-3399
Project Manager: Courtney Collins
Samplers: Dalton Kegley

MATRIX: SOIL

Sample Number	5
Sample Name	SB-24 (31-37')
Sample Matrix	Pulp
Sample Date	04/12/2024

Parameter	Units	RL		Result
Metals and Inorganics				
Aluminum	µg/g	1		33000
Beryllium	µg/g	0.02		0.63
Cobalt	µg/g	0.01		0.77
Iron	µg/g	1		7400
Manganese	µg/g	0.5		24

QC SUMMARY

Metals in Soil - Aqua-regia/ICP-MS

Method: EPA 3050/EPA 200.8 | Internal ref.: ME-CA-[ENV]SPE-LAK-AN-005

Parameter	QC batch Reference	Units	RL	Method Blank	Duplicate		LCS/Spike Blank			Matrix Spike / Ref.		
					RPD	AC (%)	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
								Low	High		Low	High
Aluminum	EMS0010-JAN25	ug/g	1	<1	4	20	92	70	130	NV	70	130
Beryllium	EMS0010-JAN25	ug/g	0.02	<0.02	ND	20	91	70	130	NV	70	130
Cobalt	EMS0010-JAN25	µg/g	0.01	<0.01	13	20	96	70	130	NV	70	130
Iron	EMS0010-JAN25	µg/g	1	<1	6	20	94	70	130	NV	70	130
Manganese	EMS0010-JAN25	ug/g	0.5	<0.5	4	20	98	70	130	NV	70	130

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RPD: Relative percent difference
AC: Acceptance criteria

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Duplicate Qualifier: for duplicates as the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.
Matrix Spike Qualifier: for matrix spikes, as the concentration of the native analyte increases, the uncertainty of the matrix spike recovery increases. Thus, the matrix spike acceptance limits apply only when the concentration of the matrix spike is greater than or equal to the concentration of the native analyte.

QC SUMMARY

LEGEND

FOOTNOTES

NSS Insufficient sample for analysis.
RL Reporting Limit.
↑ Reporting limit raised.
↓ Reporting limit lowered.
NA The sample was not analysed for this analyte
ND Non Detect

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SGS

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SGS Environmental Services - London: 657 Consortium Court, London, ON, N6E 2S8 Phone: 519-672-4500 Toll Free: 877-848-8060 Fax: 519-672-0361 Web: www.ca.sgs.com (4)

Laboratory Information Section

Received Date (mm/dd/yyyy): __/__/____ __:__

Skid # (if applicable): Temperature Upon Receipt (°C):

LAB LIMS #: CA19475-86 DEC.24. P.G.

Billing & Reporting Information

Invoice/Receipt to (3):

Company:	Geosyntec Consultants
Attention:	Courtney Collins,
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144
Email:	Ccollins@geosyntec.com ; corporateapinvoices@geosyntec.com

Quote #: 2025 255 dated 12/4/2024

Attached Parameter List: ☐ YES ☐ NO

Turnaround Time

Is *Rush Turnaround Time Required? ☐ YES ☐ NO

Specify:

* Rush TA Requests Require Lab Approval

Project Name/Number:	GW7327B/08/10	P.O. #:	

Client Information/Report To:

Client Lab #:

Company Name:	Geosyntec Consultants	Phone Number:	678.718.4771
Contact Name:	Courtney Collins, Lauren Fitzgerald	Fax Number:	
Address:	1255 Roberts BLVD, Ste 200, Kennesaw, GA 30144	E-mail:	Ccollins@geosyntec.com ; lafitzgerald@geosyntec.com
Copy to:			

Samples will be sent to paid storage after 3 months unless otherwise requested. Additional storage and shipping costs will be charged to the client. If the samples should be returned, please provide courier account information.

After analysis samples are to be:	Disposed ☐	Stored (At client's cost) *Default ☐	Multi-phase project (Automatic storage) ☐
Returned to client ☐	Return courier:	Acct:	

IMPORTANT: If samples contain known Hazards, please label accordingly and identify below:

☐NORM (Normally Occuring Radioactive Material) ☐ Asbestos ☐ Other:

Special Instructions: ☐See Attached or:

Sample Information

Sample Identifier	Date Sampled (mm/dd/yy)	Time Sampled	# of Containers	Analysis Requested (please enter the analysis required below and check off which analysis applies to each sample)							
				Total Metals (Trace Metals Scan)	XRD	WRA	SEP (Ba, Co, Fe, Al, Mn)	CEC	QEMSCAN	Total Carbon/Total Sulfur	
SB-24 (31-37')	12/4/2024	1100	1	X	X	X	X	X	X	X	homogenize sample prior to analyzing

Sampled By (1):	Dalton Kegley		Date:	(12/17/24)
Relinquished by (2):	Dalton Kegley		Date:	(12/17/24)

Note: (1) Submission of samples to SGS is acknowledgement that you have been provided direction on sample collection/handling and transportation of samples. (2) Submission of samples to SGS is considered authorization for completion of work. Signatures may appear on this form or be retained on file in the contract, or in an alternative format (e.g. shipping documents). (3) Results may be sent by email to an unlimited number of addresses for no additional cost. Fax is available upon request. (4) Completion of work may require the subcontracting of samples between the London and Lakefield laboratories.

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 1 - Water Soluble

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd, Kennesaw
USA, 30144
Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19525-DEC24**
Reference: GW11293 - SEP Leach Stage 1 - WO-GW11293-3399

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10
Al [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	120	100
Fe [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	190	79
Li [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	0.93	1.21
Mn [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	2.9	2.3

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004006858

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 1 - Water Soluble

Project : WO-GW11293-3399

LR Report : **CA19525-DEC24**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0038-JAN25													
Aluminum	1	ug/g	<1			6	20	92	70	130	NV	70	130
Iron	1	ug/g	<1			16	20	94	70	130	NV	70	130
Lithium	0.04	ug/g	<2			ND	20	91	70	130	NV	70	130
Manganese	0.5	ug/g	<0.5			17	20	98	70	130	NV	70	130

OnLine LIMS

00040068S8

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 2 - Exchangeable Metals

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd, Kennesaw
USA, 30144
Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19526-DEC24**
Reference: GW11293 - SEP Leach stage 2 - WO-GW11293-3399

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10
Al [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	16	10
Fe [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	24	7
Li [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	0.75	0.70
Mn [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	3.3	6.6

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004006864

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SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 2 - Exchangeable Metals

Project : WO-GW11293-3399

LR Report : **CA19526-DEC24**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0038-JAN25													
Aluminum	1	ug/g	<1			6	20	92	70	130	NV	70	130
Iron	1	ug/g	<1			16	20	94	70	130	NV	70	130
Lithium	0.04	ug/g	<2			ND	20	91	70	130	NV	70	130
Manganese	0.5	ug/g	<0.5			17	20	98	70	130	NV	70	130

OnLine LIMS

00040068864

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 3 - Metals Bound to Carbonates

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd, Kennesaw
USA, 30144
Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19527-DEC24**
Reference: GW11293 - SEP Leach Stage 3 - WO-GW11293-3399

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10
Al [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	470	300
Fe [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	1200	1000
Li [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	2.67	1.75
Mn [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	36	38

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004006869

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Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 3 - Metals Bound to Carbonates

Project : WO-GW11293-3399

LR Report : **CA19527-DEC24**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0038-JAN25													
Aluminum	1	ug/g	<1			6	20	92	70	130	NV	70	130
Iron	1	ug/g	<1			16	20	94	70	130	NV	70	130
Lithium	0.04	ug/g	<2			ND	20	91	70	130	NV	70	130
Manganese	0.5	ug/g	<0.5			17	20	98	70	130	NV	70	130

OnLine LIMS

00040906869

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 4 - Metals Bound to Fe and Mn Oxides

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd, Kennesaw
USA, 30144
Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19528-DEC24**
Reference: GW11293 - SEP Leach stage 4 - WO-GW11293-3399

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10
Al [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	1500	1300
Fe [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	3800	2300
Li [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	6.59	6.04
Mn [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	49	52

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004006875

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.
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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 4 - Metals Bound to Fe and Mn Oxides

Project : WO-GW11293-3399

LR Report : **CA19528-DEC24**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0038-JAN25													
Aluminum	1	ug/g	<1			6	20	92	70	130	NV	70	130
Iron	1	ug/g	<1			16	20	94	70	130	NV	70	130
Lithium	0.04	ug/g	<2			ND	20	91	70	130	NV	70	130
Manganese	0.5	ug/g	<0.5			17	20	98	70	130	NV	70	130

OnLine LIMS

00040068875

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
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SEP Leach Fraction 5 - Bound to Organic Material

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

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Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19529-DEC24**
Reference: GW11293 - SEP Leach stage 5 - WO-GW11293-3399

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10
Al [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	550	310
Fe [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	280	210
Li [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	3.95	2.50
Mn [µg/g]	13-Jan-25	14:22	15-Jan-25	09:16	11	7.1

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004006878

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 5 - Bound to Organic Material

Project : WO-GW11293-3399

LR Report : **CA19529-DEC24**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0038-JAN25													
Aluminum	1	ug/g	<1			6	20	92	70	130	NV	70	130
Iron	1	ug/g	<1			16	20	94	70	130	NV	70	130
Lithium	.04	ug/g	<2			ND	20	91	70	130	NV	70	130
Manganese	0.5	ug/g	<0.5			17	20	98	70	130	NV	70	130

OnLine LIMS

00040068 78

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 6 - Residual metals

Project : WO-GW11293-3399

04-February-2025

Geosyntec Consultant
Attn : Courtney Collins

1255 Roberts Blvd, Kennesaw
USA, 30144
Phone: 678-718-4771, Fax:

Date Rec. : 31 December 2024
LR Report: **CA19530-DEC24**
Reference: GW11293 - SEP Leach stage 6 - WO-GW11293-3399

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CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: WAWM-1 (84-89')	6: WGWC-21 (58.68-68.68')
Sample Date & Time					19-Dec-24 15:00	19-Dec-24 15:10
Al [µg/g]	13-Jan-25	14:22	15-Jan-25	09:17	33000	24000
Fe [µg/g]	13-Jan-25	14:22	15-Jan-25	09:17	29000	5300
Li [µg/g]	13-Jan-25	14:22	15-Jan-25	09:17	28.5	20.9
Mn [µg/g]	13-Jan-25	14:22	15-Jan-25	09:17	540	150

Alisha Kelly, B.Sc.,
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004006882

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 6 - Residual metals

Project : WO-GW11293-3399

LR Report : **CA19530-DEC24**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0038-JAN25														
Aluminum	1	ug/g	<1			6	20	92	70	130	NV	70	130	
Iron	1	ug/g	<1			16	20	94	70	130	NV	70	130	
Lithium	0.04	ug/g	<2			ND	20	91	70	130	NV	70	130	
Manganese	0.5	ug/g	<0.5			17	20	98	70	130	NV	70	130	

OnLine LIMS

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00040906882

EMPA and LA-ICP-MS DATA

prepared for:

Geosyntec Consultants, INC

Project 20707-01
MI5079-OCT24
December 10, 2024

Prepared by:

Margot Aldis/Chris Gunning
Mineralogist/Senior Mineralogist

SGS Canada
P.O. Box 4300, 185 Concession Street, Lakefield, Ontario, Canada K0L 2H0
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Member of the SGS Group (SGS SA)

Geosyntec Consultants
20707-01
MI5079-OCT24

High Definition Mineralogical Analysis using QEMSCAN (Quantitative Evaluation of Materials by Scanning Electron Microscopy)

LA-ICP-MS Data - Average Lithium Concentrations in Muscovite, Biotite, Biotite Mix and Chlorite

Mineral	Average Li Concentrations (ppm)
Muscovite	154.89
Biotite	628.79
Biotite Mixed	735.78
Chlorite	673.91

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 4/15/2025 5:37:45 PM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-263379-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

my EOL

Job Notes

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Authorization



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Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Job ID: 680-263379-1
Project/Site: Plant Wansley - Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-263379-1	WAN-PZ-32D	Water	04/07/25 13:51	04/09/25 10:29

Job ID: 680-263379-1 — Eurofins Savannah

Job Narrative
680-263379-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The sample was received on 4/9/2025 10:29 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

HPLC/IC
Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: WAN-PZ-32D (680-263379-1). Elevated reporting limits (RLs) are provided.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-880602 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 680-880602 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C: A lesser volume of sample was used for the following sample due to the nature of the sample matrix resulting in elevated reporting limits: WAN-PZ-32D (680-263379-1),

Method 2540C: The sample duplicate precision for the following sample associated with analytical batch 680-880537 was outside control limits: (680-263379-A-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

Method SM4500_S2_F: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container(s): WAN-PZ-32D (680-263379-1), (680-263382-D-1 MS) and (680-263382-D-1 MSD).

Method SM4500_S2_F: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-880773 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Client Sample ID: WAN-PZ-32D

Lab Sample ID: 680-263379-1

Date Collected: 04/07/25 13:51

Matrix: Water

Date Received: 04/09/25 10:29

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**700**		50	10	mg/L			04/10/25 15:49	50
Fluoride	<2.0		5.0	2.0	mg/L			04/10/25 15:49	50
Sulfate	**440**		50	20	mg/L			04/10/25 15:49	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**7.2**		0.80	0.22	mg/L		04/10/25 05:34	04/15/25 09:42	10
Calcium	**340**		0.50	0.14	mg/L		04/10/25 05:34	04/10/25 14:40	1
Iron	**4.6**		0.050	0.012	mg/L		04/10/25 05:34	04/10/25 14:40	1
Lithium	**0.14**		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:49	1
Magnesium	**54**		0.50	0.023	mg/L		04/10/25 05:34	04/10/25 14:40	1
Manganese	**5.2**		0.0050	0.0022	mg/L		04/10/25 05:34	04/10/25 14:40	1
Potassium	**7.0**		0.50	0.044	mg/L		04/10/25 05:34	04/10/25 14:40	1
Sodium	**73**		0.50	0.20	mg/L		04/10/25 05:34	04/10/25 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**86**		5.0	5.0	mg/L			04/14/25 14:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**86**		5.0	5.0	mg/L			04/14/25 14:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			04/14/25 14:37	1
Total Dissolved Solids (SM 2540C-2011)	**1700**		40	40	mg/L			04/09/25 15:10	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			04/14/25 11:25	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-880602/2
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			04/10/25 11:58	1
Fluoride	<0.040		0.10	0.040	mg/L			04/10/25 11:58	1
Sulfate	<0.40		1.0	0.40	mg/L			04/10/25 11:58	1

Lab Sample ID: LCS 680-880602/3
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.74		mg/L		97	90 - 110		
Fluoride			2.00	1.87		mg/L		93	90 - 110		
Sulfate			10.0	9.09		mg/L		91	90 - 110		

Lab Sample ID: LCSD 680-880602/4
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	11.0		mg/L		110	90 - 110	12	15
Fluoride			2.00	2.11		mg/L		105	90 - 110	12	15
Sulfate			10.0	10.3		mg/L		103	90 - 110	12	15

Lab Sample ID: 752-31366-A-11 MS
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	7.6	F1	10.0	19.5		mg/L		119	80 - 120		
Fluoride	0.041	J	2.00	2.10		mg/L		103	80 - 120		
Sulfate	3.2		10.0	13.4		mg/L		102	80 - 120		

Lab Sample ID: 752-31366-A-11 MSD
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.6	F1	10.0	20.2	E F1	mg/L		125	80 - 120	3	15
Fluoride	0.041	J	2.00	2.16		mg/L		106	80 - 120	3	15
Sulfate	3.2		10.0	13.8		mg/L		106	80 - 120	3	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:28	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium			0.500	0.525		mg/L		105	80 - 120		

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron	<0.022		0.400	0.392		mg/L		98	75 - 125		
Calcium	100		5.00	94.2	4	mg/L		-184	75 - 125		
Iron	0.46		5.00	5.21		mg/L		95	75 - 125		
Magnesium	3.4		5.00	7.58		mg/L		84	75 - 125		
Manganese	0.054		0.400	0.430		mg/L		94	75 - 125		
Sodium	390		5.00	348	4	mg/L		-791	75 - 125		

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium	<0.0020		0.500	0.497		mg/L		99	75 - 125		

Lab Sample ID: 752-31395-G-3-B MS ^10
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Potassium	500		7.00	447	4	mg/L		-716	75 - 125		

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.400	0.397		mg/L		99	75 - 125	1	20
Calcium	100		5.00	98.0	4	mg/L		-109	75 - 125	4	20
Iron	0.46		5.00	5.38		mg/L		98	75 - 125	3	20
Magnesium	3.4		5.00	7.73		mg/L		87	75 - 125	2	20
Manganese	0.054		0.400	0.438		mg/L		96	75 - 125	2	20
Sodium	390		5.00	368	4	mg/L		-389	75 - 125	6	20

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.490		mg/L		98	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 752-31395-G-3-C MSD ^10
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	500		7.00	447	4	mg/L		-718	75 - 125	0	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-880876/4
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1

Lab Sample ID: LCS 680-880876/6
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	245		mg/L		98	90 - 112

Lab Sample ID: LCSD 680-880876/31
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	248		mg/L		99	90 - 112	1	30

Lab Sample ID: 680-263379-1 DU
Matrix: Water
Analysis Batch: 880876

Client Sample ID: WAN-PZ-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	86		83.9		mg/L		2	30
Bicarbonate Alkalinity as CaCO3	86		83.9		mg/L		2	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-880537/1
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/25 15:10	1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCS 680-880537/2
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2390		mg/L		98	80 - 120		

Lab Sample ID: LCSD 680-880537/3
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2410		mg/L		99	80 - 120	1	25

Lab Sample ID: 680-263379-1 DU
Matrix: Water
Analysis Batch: 880537

Client Sample ID: WAN-PZ-32D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1700			1800	F3	mg/L				7	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-880773/1
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			04/14/25 11:24	1

Lab Sample ID: LCS 680-880773/2
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			10.0	9.83		mg/L		98	75 - 125		

Lab Sample ID: LCSD 680-880773/3
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	9.26		mg/L		93	75 - 125	6	30

Lab Sample ID: 680-263382-D-1 MS
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125		

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: 680-263382-D-1 MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 880773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125	0	30

Lab Sample ID: 680-263379-1 DU
Client Sample ID: WAN-PZ-32D
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 880773

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	<0.83			<0.81		mg/L				NC	30

HPLC/IC

Analysis Batch: 880602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	300.0-1993 R2.1	
MB 680-880602/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-880602/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-880602/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 880550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	3005A	
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
752-31395-G-3-B MS ^10	Matrix Spike	Total Recoverable	Water	3005A	
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
752-31395-G-3-C MSD ^10	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 880666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS ^10	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD ^10	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total Recoverable	Water	6020B	880550

General Chemistry

Analysis Batch: 880537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	2540C-2011	
MB 680-880537/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-880537/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-880537/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-263379-1 DU	WAN-PZ-32D	Total/NA	Water	2540C-2011	

Analysis Batch: 880773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	4500 S2 F-2011	

General Chemistry (Continued)

Analysis Batch: 880773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-880773/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-880773/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-880773/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-263382-D-1 MS	Matrix Spike	Total/NA	Water	4500 S2 F-2011	
680-263382-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	4500 S2 F-2011	
680-263379-1 DU	WAN-PZ-32D	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 880876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263379-1	WAN-PZ-32D	Total/NA	Water	2320B-2011	
MB 680-880876/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-880876/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-880876/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-263379-1 DU	WAN-PZ-32D	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Job ID: 680-263379-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-PZ-32D
Lab Sample ID: 680-263379-1
Date Collected: 04/07/25 13:51
Matrix: Water
Date Received: 04/09/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		50	2 mL	2 mL	880602	04/10/25 15:49	AF	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:49	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:40	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880830	04/15/25 09:42	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	2320B-2011		1			880876	04/14/25 14:37	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	880537	04/09/25 15:10	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	880773	04/14/25 11:25	NVF	EET SAV
	Instrument ID: NoEquip									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-263379-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263379-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

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Client Information	Sampler: T. Goble ACC	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 1
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Atlanta	TAT Requested (days): 5-day TAT			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: GA, 30308				Other:
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004 / PO Line #1			
Project Name: Plant Wansley Ash Pond	Project #:			Task_Code: WAN-CCR-OTH-2025 04 07
Site:	SSOW#:			Special Instructions/Note: Full APP III and Specified Parameters

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - App. III & Specified Metals (B, Ca; Li, Fe, Mg, Mn, K, Na)	300_ORGFM_28D - Chloride Fluoride Sulfate	2540C - Total Dissolved Solids (TDS)	2320B - Carbonate, Bicarbonate, Total Alkalinity	SM 4500 S2 F - Sulfide	Total Number of containers
			Preservation Code:		X	X	D	N	N	I	B, C	X
WAN-PZ-32D	04/07/25	1351	G	WG	N	N	✓	✓	✓	✓	✓	6

680-263379 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Taylor Fuller	4-8-25 / 0942	ACC		4.9.25 0942	
2	Brad Neal	4-8-25 1247			4-9-25 1029	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1 #2665 1.3/1.3

Ver: 01/16/2019

4/15/2025

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-263379-1

Login Number: 263379

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

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JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-263382-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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4/21/2025 1:21:59 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-263382-1	WAN-PZ-33D	Water	04/07/25 15:05	04/09/25 10:29

Job Narrative
680-263382-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The sample was received on 4/9/2025 10:29 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

HPLC/IC
Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-880602 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 680-880602 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: WAN-PZ-33D (680-263382-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 2540C: A lesser volume of sample was used for the following sample due to the nature of the sample matrix resulting in elevated reporting limits: WAN-PZ-33D (680-263382-1)

Method SM4500_S2_F: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-880773 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263382-1

Client Sample ID: WAN-PZ-33D

Lab Sample ID: 680-263382-1

Date Collected: 04/07/25 15:05

Matrix: Water

Date Received: 04/09/25 10:29

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**530**		50	10	mg/L			04/10/25 15:57	50
Fluoride	<2.0		5.0	2.0	mg/L			04/10/25 15:57	50
Sulfate	**330**		50	20	mg/L			04/10/25 15:57	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**3.3**		0.80	0.22	mg/L		04/10/25 05:34	04/16/25 13:32	10
Calcium	**310**		0.50	0.14	mg/L		04/10/25 05:34	04/10/25 14:38	1
Iron	**3.0**		0.050	0.012	mg/L		04/10/25 05:34	04/10/25 14:38	1
Lithium	**0.091**		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:46	1
Magnesium	**34**		0.50	0.023	mg/L		04/10/25 05:34	04/10/25 14:38	1
Manganese	**2.2**		0.0050	0.0022	mg/L		04/10/25 05:34	04/10/25 14:38	1
Potassium	**3.4**		0.50	0.044	mg/L		04/10/25 05:34	04/10/25 14:38	1
Sodium	**46**		0.50	0.20	mg/L		04/10/25 05:34	04/10/25 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**75**		5.0	5.0	mg/L			04/14/25 15:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**75**		5.0	5.0	mg/L			04/14/25 15:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			04/14/25 15:37	1
Total Dissolved Solids (SM 2540C-2011)	**1500**		40	40	mg/L			04/09/25 15:10	1
Sulfide (SM 4500 S2 F-2011)	<0.81	F1	0.81	0.81	mg/L			04/14/25 11:25	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-880602/2
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			04/10/25 11:58	1
Fluoride	<0.040		0.10	0.040	mg/L			04/10/25 11:58	1
Sulfate	<0.40		1.0	0.40	mg/L			04/10/25 11:58	1

Lab Sample ID: LCS 680-880602/3
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.74		mg/L		97	90 - 110
Fluoride	2.00	1.87		mg/L		93	90 - 110
Sulfate	10.0	9.09		mg/L		91	90 - 110

Lab Sample ID: LCSD 680-880602/4
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	11.0		mg/L		110	90 - 110	12	15
Fluoride	2.00	2.11		mg/L		105	90 - 110	12	15
Sulfate	10.0	10.3		mg/L		103	90 - 110	12	15

Lab Sample ID: 752-31366-A-11 MS
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.6	F1	10.0	19.5		mg/L		119	80 - 120
Fluoride	0.041	J	2.00	2.10		mg/L		103	80 - 120
Sulfate	3.2		10.0	13.4		mg/L		102	80 - 120

Lab Sample ID: 752-31366-A-11 MSD
Matrix: Water
Analysis Batch: 880602

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.6	F1	10.0	20.2	E F1	mg/L		125	80 - 120	3	15
Fluoride	0.041	J	2.00	2.16		mg/L		106	80 - 120	3	15
Sulfate	3.2		10.0	13.8		mg/L		106	80 - 120	3	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		04/10/25 05:34	04/11/25 07:51	1
Calcium	<0.14		0.50	0.14	mg/L		04/10/25 05:34	04/11/25 07:51	1
Iron	<0.012		0.050	0.012	mg/L		04/10/25 05:34	04/11/25 07:51	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.023		0.50	0.023	mg/L		04/10/25 05:34	04/11/25 07:51	1
Manganese	<0.0022		0.0050	0.0022	mg/L		04/10/25 05:34	04/11/25 07:51	1
Potassium	<0.044		0.50	0.044	mg/L		04/10/25 05:34	04/11/25 07:51	1
Sodium	<0.20		0.50	0.20	mg/L		04/10/25 05:34	04/11/25 07:51	1

Lab Sample ID: MB 680-880550/1-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		04/10/25 05:34	04/11/25 11:28	1

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.368		mg/L		92	80 - 120
Calcium	5.00	5.04		mg/L		101	80 - 120
Iron	5.00	5.01		mg/L		100	80 - 120
Magnesium	5.00	4.82		mg/L		96	80 - 120
Manganese	0.400	0.398		mg/L		100	80 - 120
Potassium	7.00	6.93		mg/L		99	80 - 120
Sodium	5.00	5.07		mg/L		101	80 - 120

Lab Sample ID: LCS 680-880550/2-A
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.525		mg/L		105	80 - 120

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.022		0.400	0.392		mg/L		98	75 - 125
Calcium	100		5.00	94.2	4	mg/L		-184	75 - 125
Iron	0.46		5.00	5.21		mg/L		95	75 - 125
Magnesium	3.4		5.00	7.58		mg/L		84	75 - 125
Manganese	0.054		0.400	0.430		mg/L		94	75 - 125
Potassium	470	E	7.00	419	4	mg/L		-771	75 - 125
Sodium	390		5.00	348	4	mg/L		-791	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 752-31395-G-3-B MS
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0020		0.500	0.497		mg/L		99	75 - 125

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880666

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.400	0.397		mg/L		99	75 - 125	1	20
Calcium	100		5.00	98.0	4	mg/L		-109	75 - 125	4	20
Iron	0.46		5.00	5.38		mg/L		98	75 - 125	3	20
Magnesium	3.4		5.00	7.73		mg/L		87	75 - 125	2	20
Manganese	0.054		0.400	0.438		mg/L		96	75 - 125	2	20
Potassium	470	E	7.00	444	4	mg/L		-403	75 - 125	6	20
Sodium	390		5.00	368	4	mg/L		-389	75 - 125	6	20

Lab Sample ID: 752-31395-G-3-C MSD
Matrix: Water
Analysis Batch: 880685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 880550

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.490		mg/L		98	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-880876/4
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			04/14/25 14:12	1

Lab Sample ID: LCS 680-880876/6
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	245		mg/L		98	90 - 112

Lab Sample ID: LCSD 680-880876/31
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	248		mg/L		99	90 - 112	1	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: 680-263379-B-1 DU
Matrix: Water
Analysis Batch: 880876

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	86		83.9		mg/L		2	30
Bicarbonate Alkalinity as CaCO3	86		83.9		mg/L		2	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-880537/1
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/09/25 15:10	1

Lab Sample ID: LCS 680-880537/2
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2440	2390		mg/L		98	80 - 120

Lab Sample ID: LCSD 680-880537/3
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2440	2410		mg/L		99	80 - 120	1	25

Lab Sample ID: 680-263379-A-1 DU
Matrix: Water
Analysis Batch: 880537

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1700		1800	F3	mg/L		7	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-880773/1
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			04/14/25 11:24	1

Lab Sample ID: LCS 680-880773/2
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	10.0	9.83		mg/L		98	75 - 125

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCSD 680-880773/3
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	9.26		mg/L		93	75 - 125	6	30

Lab Sample ID: 680-263382-1 MS
Matrix: Water
Analysis Batch: 880773

Client Sample ID: WAN-PZ-33D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125		

Lab Sample ID: 680-263382-1 MSD
Matrix: Water
Analysis Batch: 880773

Client Sample ID: WAN-PZ-33D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.81	F1	6.94	4.55	F1	mg/L		66	75 - 125	0	30

Lab Sample ID: 680-263379-E-1 DU
Matrix: Water
Analysis Batch: 880773

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	<0.83		<0.81		mg/L		NC	30

HPLC/IC

Analysis Batch: 880602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	300.0-1993 R2.1	
MB 680-880602/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-880602/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-880602/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
752-31366-A-11 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 880550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	3005A	
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 880666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	6020B	880550
MB 680-880550/1-A	Method Blank	Total Recoverable	Water	6020B	880550
LCS 680-880550/2-A	Lab Control Sample	Total Recoverable	Water	6020B	880550
752-31395-G-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	880550
752-31395-G-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	880550

Analysis Batch: 880984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total Recoverable	Water	6020B	880550

General Chemistry

Analysis Batch: 880537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	2540C-2011	
MB 680-880537/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-880537/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-880537/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-263379-A-1 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 880773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	4500 S2 F-2011	
MB 680-880773/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-880773/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	

General Chemistry (Continued)

Analysis Batch: 880773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-880773/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-263382-1 MS	WAN-PZ-33D	Total/NA	Water	4500 S2 F-2011	
680-263382-1 MSD	WAN-PZ-33D	Total/NA	Water	4500 S2 F-2011	
680-263379-E-1 DU	Duplicate	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 880876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-263382-1	WAN-PZ-33D	Total/NA	Water	2320B-2011	
MB 680-880876/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-880876/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-880876/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-263379-B-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-PZ-33D
Lab Sample ID: 680-263382-1
Date Collected: 04/07/25 15:05
Matrix: Water
Date Received: 04/09/25 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		50	2 mL	2 mL	880602	04/10/25 15:57	AF	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880685	04/11/25 11:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		1			880666	04/10/25 14:38	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	880550	04/10/25 05:34	RR	EET SAV
Total Recoverable	Analysis	6020B		10			880984	04/16/25 13:32	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	2320B-2011		1			880876	04/14/25 15:37	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	880537	04/09/25 15:10	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	880773	04/14/25 11:25	NVF	EET SAV
	Instrument ID: NoEquip									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-263382-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-263382-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Goble ACC	Lab PM: David Fuller / Phone: 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 1
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days): HOLD per client direction			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004 / PO Line #1			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Task_Code: WAN-CCR-OTH-2025 0407

Special Instructions/Note: Full APP III and Specified Parameters

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=equality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - App. III & Specified Metals (B, Ca; Li, Fe, Mg, Mn, K, Na)	300_ORGFM_28D - Chloride Fluoride Sulfate	2540C - Total Dissolved Solids (TDS)	2320B - Carbonate, Bicarbonate, Total Alkalinity	SM 4500 S2 F - Sulfide	Total Number of containers
			Preservation Code:				D	N	N	I	B, C	
WAN-PZ-33D	04/07/25	1505	G	WG	N	N	✓	✓	✓	✓	✓	6

680-263382 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Taylor Hall	4-8-25/0942	ACC		4.8.25 0942	
Relinquished by: Anna Neal	Date/Time: 4-8-25 1247	Company	Received by:	Date/Time: 4-9-25 1029	Company TR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1 # 2665 1.3/1.3

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-263382-1

Login Number: 263382

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 3/3/2025 8:48:46 AM

JOB DESCRIPTION

Plant Wansley - Ash Pond

JOB NUMBER

680-261943-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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3/3/2025 8:48:46 AM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-261943-1	WAN-WGWC-13	Water	02/12/25 10:41	02/15/25 10:20
680-261943-2	WAN-WGWC-14A	Water	02/12/25 12:55	02/15/25 10:20
680-261943-3	WAN-WGWC-16	Water	02/12/25 14:00	02/15/25 10:20
680-261943-4	WAN-WGWC-20	Water	02/12/25 13:59	02/15/25 10:20
680-261943-5	WAN-WGWC-22	Water	02/12/25 13:52	02/15/25 10:20
680-261943-6	WAN-WGWC-25	Water	02/12/25 12:32	02/15/25 10:20
680-261943-7	WAN-WGWC-27	Water	02/12/25 11:32	02/15/25 10:20
680-261943-8	WAN-WGWC-28D	Water	02/12/25 10:22	02/15/25 10:20
680-261943-9	WAN-WAMW-1	Water	02/12/25 13:51	02/15/25 10:20
680-261943-10	WAN-WAMW-2	Water	02/12/25 11:24	02/15/25 10:20
680-261943-11	WAN-AP1-FD-02	Water	02/12/25 00:00	02/15/25 10:20
680-261943-12	WAN-AP1-FB-08	Water	02/12/25 14:20	02/15/25 10:20
680-261943-13	WAN-AP1-EB-01	Water	02/12/25 10:15	02/15/25 10:20
680-261943-14	WAN-WGWC-10	Water	02/13/25 10:25	02/15/25 10:20
680-261943-15	WAN-WGWC-15	Water	02/13/25 11:40	02/15/25 10:20
680-261943-16	WAN-WGWC-19	Water	02/13/25 09:45	02/15/25 10:20
680-261943-17	WAN-WGWC-21	Water	02/13/25 12:08	02/15/25 10:20
680-261943-18	WAN-WGWC-23	Water	02/13/25 16:35	02/15/25 10:20
680-261943-19	WAN-WGWC-24	Water	02/13/25 12:11	02/15/25 10:20
680-261943-20	WAN-PZ-26D	Water	02/13/25 13:20	02/15/25 10:20
680-261943-21	WAN-PZ-31	Water	02/13/25 13:15	02/15/25 10:20
680-261943-22	WAN-AP1-FD-03	Water	02/13/25 00:00	02/15/25 10:20
680-261943-23	WAN-AP1-FB-09	Water	02/13/25 13:40	02/15/25 10:20
680-261943-24	WAN-AP1-EB-02	Water	02/13/25 11:05	02/15/25 10:20
680-261943-25	WAN-AP1-EB-03	Water	02/13/25 13:00	02/15/25 10:20

Job Narrative
680-261943-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Receipt
The samples were received on 2/15/2025 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.6°C, 1.9°C, 2.7°C, 3.3°C, 3.6°C and 4.1°C.

HPLC/IC
Method 300_ORGFM_28D: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for analytical batch 680-876645. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 680-876688 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 2540C: A lesser volume of sample was used for the following samples due to the nature of the sample matrix resulting in elevated reporting limits: WAN-WGWC-20 (680-261943-4), WAN-WGWC-28D (680-261943-8) and WAN-WGWC-21 (680-261943-17).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 680-876267 recovered above the upper control limit for thallium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-261943-1

Date Collected: 02/12/25 10:41

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.3**		1.0	0.20	mg/L			02/21/25 14:48	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 14:48	1
Sulfate	**2.6**		1.0	0.40	mg/L			02/21/25 14:48	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:33	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:33	1
Barium	**0.040**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:33	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:33	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/19/25 09:33	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:33	1
Calcium	**3.8**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:33	1
Chromium	**0.0017**	**J**	0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:33	1
Cobalt	**0.00029**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:33	1
Iron	**0.064**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:33	1
Lead	**0.00022**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:33	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:10	1
Magnesium	**0.57**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:33	1
Manganese	**0.0025**	**J**	0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:33	1
Molybdenum	**0.0013**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:33	1
Potassium	**1.8**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:33	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:33	1
Sodium	**9.4**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:33	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/25 12:56	02/20/25 17:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**32**		5.0	5.0	mg/L			02/18/25 14:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**32**		5.0	5.0	mg/L			02/18/25 14:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:12	1
Total Dissolved Solids (SM 2540C-2011)	**84**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.4**		1.0	0.20	mg/L			02/21/25 14:57	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 14:57	1
Sulfate	**0.45**	**J**	1.0	0.40	mg/L			02/21/25 14:57	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:06	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:06	1
Barium	**0.027**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:06	1
Beryllium	**0.00027**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:06	1
Boron	**0.027**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:22	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:06	1
Calcium	**0.77**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:06	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:06	1
Cobalt	**0.0015**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:06	1
Iron	**0.014**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:06	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:06	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:22	1
Magnesium	**0.71**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:06	1
Manganese	**0.038**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:06	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:06	1
Potassium	**1.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:06	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:06	1
Sodium	**3.6**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:06	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/25 12:56	02/20/25 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 14:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 14:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:26	1
Total Dissolved Solids (SM 2540C-2011)	**28**		10	10	mg/L			02/18/25 07:09	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-261943-3

Date Collected: 02/12/25 14:00
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28**		5.0	1.0	mg/L			02/21/25 15:05	5
Fluoride	<0.20		0.50	0.20	mg/L			02/21/25 15:05	5
Sulfate	**40**		5.0	2.0	mg/L			02/21/25 15:05	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:09	1
Barium	**0.040**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:09	1

Client Sample ID: WAN-WGWC-16

Lab Sample ID: 680-261943-3

Date Collected: 02/12/25 14:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.56**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:26	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:09	1
Calcium	**15**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:09	1
Iron	**0.046**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:09	1
Lithium	**0.0024**	**J**	0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:26	1
Magnesium	**5.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:09	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:09	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:09	1
Potassium	**2.1**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:09	1
Sodium	**8.4**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 14:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 15:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	5.0	mg/L			02/18/25 15:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:10	1
Total Dissolved Solids (SM 2540C-2011)	**120**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**380**		25	5.0	mg/L			02/21/25 15:13	25
Fluoride	<1.0		2.5	1.0	mg/L			02/21/25 15:13	25
Sulfate	**470**		25	10	mg/L			02/21/25 15:13	25

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:11	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:11	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:11	1
Beryllium	**0.011**		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:11	1
Boron	**7.4**		0.80	0.22	mg/L		02/17/25 06:11	02/19/25 09:41	10
Cadmium	**0.00045**	**J**	0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:11	1
Calcium	**230**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:11	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:11	1

Client Sample ID: WAN-WGWC-20

Lab Sample ID: 680-261943-4

Date Collected: 02/12/25 13:59

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:11	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:11	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:11	1
Lithium	**0.14**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:30	1
Magnesium	**50**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:11	1
Manganese	**0.46**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:11	1
Molybdenum	**0.00087**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:11	1
Potassium	**6.3**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:11	1
Selenium	**0.0026**	**J**	0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:11	1
Sodium	**45**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:11	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 14:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**8.9**		5.0	5.0	mg/L			02/18/25 15:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**8.9**		5.0	5.0	mg/L			02/18/25 15:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:26	1
Total Dissolved Solids (SM 2540C-2011)	**1300**		40	40	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-261943-5

Date Collected: 02/12/25 13:52

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.1**		2.0	0.40	mg/L			02/21/25 15:21	2
Fluoride	<0.080		0.20	0.080	mg/L			02/21/25 15:21	2
Sulfate	**66**		2.0	0.80	mg/L			02/21/25 15:21	2

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:35	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:35	1
Barium	**0.022**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:35	1
Beryllium	**0.00061**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:35	1
Boron	**0.32**		0.080	0.022	mg/L		02/17/25 06:11	02/19/25 09:35	1
Cadmium	**0.00011**	**J**	0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:35	1
Calcium	**13**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:35	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:35	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:35	1
Iron	**0.036**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:35	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:35	1
Lithium	**0.0069**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:34	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-22

Lab Sample ID: 680-261943-5

Date Collected: 02/12/25 13:52

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**3.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:35	1
Manganese	**0.0078**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:35	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:35	1
Potassium	**5.2**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:35	1
Selenium	**0.0030**	**J**	0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:35	1
Sodium	**19**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:35	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**21**		5.0	5.0	mg/L			02/18/25 15:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**21**		5.0	5.0	mg/L			02/18/25 15:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:34	1
Total Dissolved Solids (SM 2540C-2011)	**150**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-261943-6

Date Collected: 02/12/25 12:32

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24**		5.0	1.0	mg/L			02/21/25 15:29	5
Fluoride	<0.20		0.50	0.20	mg/L			02/21/25 15:29	5
Sulfate	**17**		5.0	2.0	mg/L			02/21/25 15:29	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:24	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:24	1
Barium	**0.19**		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:24	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:24	1
Boron	**0.36**		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:24	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:24	1
Calcium	**31**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:24	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:24	1
Cobalt	**0.0085**		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:24	1
Iron	**3.6**		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:24	1
Lead	**0.00065**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:24	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:45	1
Magnesium	**8.7**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:24	1
Manganese	**1.3**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:24	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:24	1
Potassium	**5.1**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:24	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-25

Lab Sample ID: 680-261943-6

Date Collected: 02/12/25 12:32
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:24	1
Sodium	**6.9**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:24	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:45	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**90**		5.0	5.0	mg/L			02/18/25 15:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**90**		5.0	5.0	mg/L			02/18/25 15:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:19	1
Total Dissolved Solids (SM 2540C-2011)	**170**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		2.0	0.40	mg/L			02/21/25 15:38	2
Fluoride	<0.080		0.20	0.080	mg/L			02/21/25 15:38	2
Sulfate	**27**		2.0	0.80	mg/L			02/21/25 15:38	2

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:01	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:01	1
Barium	**0.0034**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:01	1
Beryllium	**0.0011**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:01	1
Boron	**0.19**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:02	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:01	1
Calcium	**16**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:01	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:01	1
Cobalt	**0.0020**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:01	1
Iron	**0.50**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:01	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:01	1
Lithium	**0.026**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:02	1
Magnesium	**2.7**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:01	1
Manganese	**0.26**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:01	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:01	1
Potassium	**1.8**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:01	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:01	1
Sodium	**13**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:01	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:01	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-27

Lab Sample ID: 680-261943-7

Date Collected: 02/12/25 11:32
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**27**		5.0	5.0	mg/L			02/18/25 16:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**27**		5.0	5.0	mg/L			02/18/25 16:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 16:11	1
Total Dissolved Solids (SM 2540C-2011)	**160**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:37	1

Client Sample ID: WAN-WGWC-28D

Lab Sample ID: 680-261943-8

Date Collected: 02/12/25 10:22
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**470**		100	20	mg/L			02/22/25 13:13	100
Fluoride	<4.0		10	4.0	mg/L			02/22/25 13:13	100
Sulfate	**300**		100	40	mg/L			02/22/25 13:13	100

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:04	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:04	1
Barium	**0.011**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:04	1
Beryllium	**0.0020**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:04	1
Boron	**9.9**		0.80	0.22	mg/L		02/17/25 06:11	02/19/25 09:38	10
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:04	1
Calcium	**340**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:04	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:04	1
Cobalt	**0.00024**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:04	1
Iron	**0.48**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:04	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:04	1
Lithium	**0.19**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:06	1
Magnesium	**62**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:04	1
Manganese	**1.0**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:04	1
Molybdenum	**0.0088**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:04	1
Potassium	**42**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:04	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:04	1
Sodium	**120**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:04	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:12	1

Client Sample ID: WAN-WGWC-28D

Lab Sample ID: 680-261943-8

Date Collected: 02/12/25 10:22

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**43**		5.0	5.0	mg/L			02/18/25 15:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**43**		5.0	5.0	mg/L			02/18/25 15:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:43	1
Total Dissolved Solids (SM 2540C-2011)	**2000**		80	80	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	**1.5**		1.0	1.0	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-WAMW-1

Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32**		5.0	1.0	mg/L			02/22/25 13:23	5
Fluoride	<0.20		0.50	0.20	mg/L			02/22/25 13:23	5
Sulfate	**37**		5.0	2.0	mg/L			02/22/25 13:23	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:56	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:56	1
Barium	**0.041**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:56	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:56	1
Boron	**0.58**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 17:54	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:56	1
Calcium	**16**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:56	1
Chromium	**0.0012**	**J**	0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:56	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:56	1
Iron	**0.023**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:56	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:56	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 17:54	1
Magnesium	**5.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:56	1
Manganese	**0.010**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:56	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:56	1
Potassium	**2.2**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:56	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:56	1
Sodium	**8.9**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:56	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:56	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**12**		5.0	5.0	mg/L			02/18/25 14:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**12**		5.0	5.0	mg/L			02/18/25 14:55	1

Client Sample ID: WAN-WAMW-1

Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:55	1
Total Dissolved Solids (SM 2540C-2011)	**130**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.81		0.81	0.81	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-WAMW-2

Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.9**	**F1**	1.0	0.20	mg/L			02/21/25 14:46	1
Fluoride	**0.13**	**F1**	0.10	0.040	mg/L			02/21/25 14:46	1
Sulfate	**4.1**	**F1**	1.0	0.40	mg/L			02/21/25 14:46	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:58	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:58	1
Barium	**0.0093**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:58	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:58	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 17:58	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:58	1
Calcium	**25**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:58	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:58	1
Cobalt	**0.0010**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:58	1
Iron	**0.044**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:58	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:58	1
Lithium	**0.035**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 17:58	1
Magnesium	**8.3**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:58	1
Manganese	**0.12**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:58	1
Molybdenum	**0.0023**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:58	1
Potassium	**1.5**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:58	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:58	1
Sodium	**8.8**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:58	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:58	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**110**		5.0	5.0	mg/L			02/18/25 16:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**110**		5.0	5.0	mg/L			02/18/25 16:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 16:02	1
Total Dissolved Solids (SM 2540C-2011)	**140**		10	10	mg/L			02/19/25 11:12	1

Client Sample ID: WAN-WAMW-2

Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-AP1-FD-02

Lab Sample ID: 680-261943-11

Date Collected: 02/12/25 00:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.3**	**F1**	1.0	0.20	mg/L			02/22/25 12:44	1
Fluoride	**0.063**	**J F1 F2**	0.10	0.040	mg/L			02/22/25 12:44	1
Sulfate	**5.4**	**F1**	1.0	0.40	mg/L			02/22/25 12:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:17	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:17	1
Barium	**0.0045**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:17	1
Beryllium	**0.00026**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:17	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:17	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:17	1
Calcium	**19**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:17	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:17	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:17	1
Iron	**1.9**		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:17	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:17	1
Lithium	**0.024**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:24	1
Magnesium	**5.1**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:17	1
Manganese	**0.031**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:17	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:17	1
Potassium	**2.0**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:17	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:17	1
Sodium	**6.4**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:17	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**77**		5.0	5.0	mg/L			02/18/25 15:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**77**		5.0	5.0	mg/L			02/18/25 15:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 15:52	1
Total Dissolved Solids (SM 2540C-2011)	**120**		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:43	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-AP1-FB-08

Lab Sample ID: 680-261943-12

Date Collected: 02/12/25 14:20
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 15:25	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 15:25	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 15:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:19	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:19	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:19	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:19	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:19	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:19	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:19	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:19	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:19	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:19	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:36	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:19	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:19	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:19	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:19	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:19	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/18/25 14:18	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-261943-13

Date Collected: 02/12/25 10:15
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 15:35	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 15:35	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 15:35	1

Client Sample ID: WAN-AP1-EB-01

Lab Sample ID: 680-261943-13

Date Collected: 02/12/25 10:15

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:22	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:22	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:22	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:22	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:22	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:22	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:22	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:22	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:22	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:22	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:22	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:41	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:22	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:22	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:22	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:22	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:22	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:22	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:50	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/19/25 11:12	1
Sulfide (SM 4500 S2 F-2011)	**1.2**		0.83	0.83	mg/L			02/17/25 11:43	1

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.5**		1.0	0.20	mg/L			02/21/25 15:44	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 15:44	1
Sulfate	**1.9**		1.0	0.40	mg/L			02/21/25 15:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:14	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:14	1
Barium	**0.032**		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:14	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:14	1

Client Sample ID: WAN-WGWC-10

Lab Sample ID: 680-261943-14

Date Collected: 02/13/25 10:25

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:14	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:14	1
Calcium	**8.0**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:14	1
Chromium	**0.0036**		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:14	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:14	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:14	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:14	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:20	1
Magnesium	**1.8**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:14	1
Manganese	**0.015**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:14	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:14	1
Potassium	**1.8**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:14	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:14	1
Sodium	**3.5**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:14	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**29**		5.0	5.0	mg/L			02/21/25 21:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**29**		5.0	5.0	mg/L			02/21/25 21:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 21:58	1
Total Dissolved Solids (SM 2540C-2011)	**58**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.1**		1.0	0.20	mg/L			02/21/25 15:54	1
Fluoride	**0.72**		0.10	0.040	mg/L			02/21/25 15:54	1
Sulfate	**13**		1.0	0.40	mg/L			02/21/25 15:54	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:12	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:12	1
Barium	**0.033**		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:12	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:12	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:12	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:12	1
Calcium	**30**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:12	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:12	1

Client Sample ID: WAN-WGWC-15

Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:12	1
Iron	**0.016**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:12	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:12	1
Lithium	**0.0052**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:16	1
Magnesium	**4.9**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:12	1
Manganese	**0.017**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:12	1
Molybdenum	**0.0023**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:12	1
Potassium	**1.4**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:12	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:12	1
Sodium	**8.7**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:12	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**97**		5.0	5.0	mg/L			02/21/25 22:07	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**97**		5.0	5.0	mg/L			02/21/25 22:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:07	1
Total Dissolved Solids (SM 2540C-2011)	**140**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.20	mg/L			02/21/25 16:04	1
Fluoride	**0.058**	**J**	0.10	0.040	mg/L			02/21/25 16:04	1
Sulfate	**3.3**		1.0	0.40	mg/L			02/21/25 16:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 14:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 14:09	1
Barium	**0.0077**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 14:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 14:09	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 14:09	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 14:09	1
Calcium	**13**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 14:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 14:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 14:09	1
Iron	**0.046**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/17/25 14:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 14:09	1
Lithium	**0.060**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:12	1

Client Sample ID: WAN-WGWC-19

Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**9.8**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 14:09	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 14:09	1
Molybdenum	**0.0014**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 14:09	1
Potassium	**1.4**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 14:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 14:09	1
Sodium	**8.2**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 14:09	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**80**		5.0	5.0	mg/L			02/21/25 22:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**80**		5.0	5.0	mg/L			02/21/25 22:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:23	1
Total Dissolved Solids (SM 2540C-2011)	**100**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48**		10	2.0	mg/L			02/21/25 16:14	10
Fluoride	<0.40		1.0	0.40	mg/L			02/21/25 16:14	10
Sulfate	**350**		10	4.0	mg/L			02/21/25 16:14	10

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 13:59	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 13:59	1
Barium	**0.0038**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 13:59	1
Beryllium	**0.00033**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 13:59	1
Boron	**0.12**		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 13:59	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 13:59	1
Calcium	**64**		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 13:59	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 13:59	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 13:59	1
Iron	**0.059**		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 13:59	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 13:59	1
Lithium	**0.065**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 16:08	1
Magnesium	**7.5**		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 13:59	1
Manganese	**0.16**		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 13:59	1
Molybdenum	**0.027**		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 13:59	1
Potassium	**2.8**		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 13:59	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-21

Lab Sample ID: 680-261943-17

Date Collected: 02/13/25 12:08
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 13:59	1
Sodium	**160**		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 13:59	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 16:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 11:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**96**		5.0	5.0	mg/L			02/21/25 22:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**96**		5.0	5.0	mg/L			02/21/25 22:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:42	1
Total Dissolved Solids (SM 2540C-2011)	**610**		40	40	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-261943-18

Date Collected: 02/13/25 16:35
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.20	mg/L			02/21/25 16:24	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 16:24	1
Sulfate	**7.3**		1.0	0.40	mg/L			02/21/25 16:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:27	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:27	1
Barium	**0.015**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:27	1
Beryllium	**0.0016**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:27	1
Boron	**0.024**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:46	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:27	1
Calcium	**4.4**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:27	1
Chromium	**0.0017**	**J**	0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:27	1
Cobalt	**0.00022**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:27	1
Iron	**0.21**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:27	1
Lead	**0.0020**		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:27	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:46	1
Magnesium	**0.77**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:27	1
Manganese	**0.019**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:27	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:27	1
Potassium	**2.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:27	1
Selenium	**0.0031**	**J**	0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:27	1
Sodium	**13**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:27	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:27	1

Client Sample ID: WAN-WGWC-23

Lab Sample ID: 680-261943-18

Date Collected: 02/13/25 16:35
Matrix: Water
Date Received: 02/15/25 10:20

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**26**		5.0	5.0	mg/L			02/21/25 22:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**26**		5.0	5.0	mg/L			02/21/25 22:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:33	1
Total Dissolved Solids (SM 2540C-2011)	**140**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		5.0	1.0	mg/L			02/22/25 13:32	5
Fluoride	<0.20		0.50	0.20	mg/L			02/22/25 13:32	5
Sulfate	**79**		5.0	2.0	mg/L			02/22/25 13:32	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:29	1
Barium	**0.051**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:29	1
Beryllium	**0.0055**		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:29	1
Boron	**0.94**		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:50	1
Cadmium	**0.00018**	**J**	0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:29	1
Calcium	**20**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:29	1
Cobalt	**0.039**		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:29	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:29	1
Lead	**0.00050**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:29	1
Lithium	**0.0034**	**J**	0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:50	1
Magnesium	**4.4**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:29	1
Manganese	**1.3**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:29	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:29	1
Potassium	**6.8**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:29	1
Sodium	**7.6**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:29	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 11:08	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-24

Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11
Matrix: Water
Date Received: 02/15/25 10:20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:24	1
Total Dissolved Solids (SM 2540C-2011)	**160**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-PZ-26D

Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20
Matrix: Water
Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		2.0	0.40	mg/L			02/21/25 17:32	2
Fluoride	<0.080		0.20	0.080	mg/L			02/21/25 17:32	2
Sulfate	**24**		2.0	0.80	mg/L			02/21/25 17:32	2

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:32	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:32	1
Barium	**0.017**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:32	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:32	1
Boron	**0.078**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:54	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:32	1
Calcium	**13**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:32	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:32	1
Cobalt	**0.0011**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:32	1
Iron	**0.13**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:32	1
Lead	**0.0010**		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:32	1
Lithium	**0.024**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:54	1
Magnesium	**2.7**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:32	1
Manganese	**0.027**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:32	1
Molybdenum	**0.0027**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:32	1
Potassium	**1.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:32	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:32	1
Sodium	**22**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:32	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:32	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**54**		5.0	5.0	mg/L			02/21/25 22:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**54**		5.0	5.0	mg/L			02/21/25 22:49	1

Client Sample ID: WAN-PZ-26D

Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 22:49	1
Total Dissolved Solids (SM 2540C-2011)	**150**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.89		0.89	0.89	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-PZ-31

Lab Sample ID: 680-261943-21

Date Collected: 02/13/25 13:15

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.8**		1.0	0.20	mg/L			02/21/25 17:03	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 17:03	1
Sulfate	**0.62**	**J**	1.0	0.40	mg/L			02/21/25 17:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:19	1
Barium	**0.059**		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:19	1
Beryllium	**0.00051**	**J**	0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:19	1
Boron	**0.040**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:38	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:19	1
Calcium	**1.6**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:19	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:19	1
Cobalt	**0.0016**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:19	1
Iron	**0.12**		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:19	1
Lead	**0.00070**	**J**	0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:19	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:38	1
Magnesium	**1.6**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:19	1
Manganese	**0.11**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:19	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:19	1
Potassium	**1.7**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:19	1
Sodium	**2.4**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:19	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:19	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**10**		5.0	5.0	mg/L			02/21/25 23:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**10**		5.0	5.0	mg/L			02/21/25 23:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/25 23:11	1
Total Dissolved Solids (SM 2540C-2011)	**38**		10	10	mg/L			02/20/25 06:33	1

Client Sample ID: WAN-PZ-31

Lab Sample ID: 680-261943-21

Date Collected: 02/13/25 13:15

Matrix: Water

Date Received: 02/15/25 10:20

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-AP1-FD-03

Lab Sample ID: 680-261943-22

Date Collected: 02/13/25 00:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.20	mg/L			02/22/25 13:42	1
Fluoride	**0.11**		0.10	0.040	mg/L			02/22/25 13:42	1
Sulfate	**3.3**		1.0	0.40	mg/L			02/22/25 13:42	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:22	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:22	1
Barium	**0.0012**	**J**	0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:22	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:22	1
Boron	**0.028**	**J**	0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:42	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:22	1
Calcium	**12**		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:22	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:22	1
Cobalt	**0.00022**	**J**	0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:22	1
Iron	**0.048**	**J**	0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:22	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:22	1
Lithium	**0.059**		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:42	1
Magnesium	**9.9**		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:22	1
Manganese	**0.011**		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:22	1
Molybdenum	**0.0013**	**J**	0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:22	1
Potassium	**1.5**		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:22	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:22	1
Sodium	**8.1**		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:22	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**84**		5.0	5.0	mg/L			02/22/25 00:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**84**		5.0	5.0	mg/L			02/22/25 00:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 00:57	1
Total Dissolved Solids (SM 2540C-2011)	**110**		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-AP1-FB-09

Lab Sample ID: 680-261943-23

Date Collected: 02/13/25 13:40

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 17:51	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 17:51	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 17:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:34	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:34	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:34	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:34	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 18:59	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:34	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:34	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:34	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:34	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:34	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:34	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 18:59	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:34	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:34	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:34	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:34	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:34	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:34	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:34	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:12	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/20/25 06:33	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 18:01	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 18:01	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 18:01	1

Client Sample ID: WAN-AP1-EB-02

Lab Sample ID: 680-261943-24

Date Collected: 02/13/25 11:05

Matrix: Water

Date Received: 02/15/25 10:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:37	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:37	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:37	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:37	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 19:11	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:37	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:37	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:37	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:37	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:37	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:37	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 19:11	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:37	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:37	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:37	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:37	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:37	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:37	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:37	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:29	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/20/25 07:49	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Client Sample ID: WAN-AP1-EB-03

Lab Sample ID: 680-261943-25

Date Collected: 02/13/25 13:00

Matrix: Water

Date Received: 02/15/25 10:20

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 18:11	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 18:11	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 18:11	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 10:40	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 10:40	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 10:40	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 10:40	1

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-AP1-EB-03
Date Collected: 02/13/25 13:00
Date Received: 02/15/25 10:20

Lab Sample ID: 680-261943-25
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 19:15	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 10:40	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 10:40	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 10:40	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 10:40	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 10:40	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 10:40	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 19:15	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 10:40	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 10:40	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 10:40	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 10:40	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 10:40	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 10:40	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 10:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/25 01:18	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/20/25 07:49	1
Sulfide (SM 4500 S2 F-2011)	<0.83		0.83	0.83	mg/L			02/18/25 12:44	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-876596/2
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 10:16	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 10:16	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 10:16	1

Lab Sample ID: LCS 680-876596/3
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.70		mg/L		97	90 - 110
Fluoride	2.00	1.89		mg/L		95	90 - 110
Sulfate	10.0	10.4		mg/L		104	90 - 110

Lab Sample ID: LCSD 680-876596/4
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	9.77		mg/L		98	90 - 110	1	15
Fluoride	2.00	1.90		mg/L		95	90 - 110	0	15
Sulfate	10.0	10.4		mg/L		104	90 - 110	0	15

Lab Sample ID: 680-261941-D-17 MS
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.5		10.0	13.0		mg/L		106	80 - 120
Fluoride	<0.040		2.00	2.00		mg/L		100	80 - 120
Sulfate	0.75	J	10.0	11.5		mg/L		108	80 - 120

Lab Sample ID: 680-261941-D-17 MSD
Matrix: Water
Analysis Batch: 876596

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.5		10.0	12.6		mg/L		101	80 - 120	3	15
Fluoride	<0.040		2.00	1.90		mg/L		95	80 - 120	5	15
Sulfate	0.75	J	10.0	11.2		mg/L		104	80 - 120	3	15

Lab Sample ID: MB 680-876645/2
Matrix: Water
Analysis Batch: 876645

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/25 13:23	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/25 13:23	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/25 13:23	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-876645/3
Matrix: Water
Analysis Batch: 876645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	9.90		mg/L		99	90 - 110		
Fluoride			2.00	2.04		mg/L		102	90 - 110		
Sulfate			10.0	10.9		mg/L		109	90 - 110		

Lab Sample ID: LCSD 680-876645/4
Matrix: Water
Analysis Batch: 876645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	9.87		mg/L		99	90 - 110	0	15
Fluoride			2.00	2.03		mg/L		101	90 - 110	1	15
Sulfate			10.0	10.8		mg/L		108	90 - 110	0	15

Lab Sample ID: 680-261943-10 MS
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-WAMW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2.9	F1	10.0	2.87	F1	mg/L		-0.2	80 - 120		
Fluoride	0.13	F1	2.00	0.123	F1	mg/L		-0.3	80 - 120		
Sulfate	4.1	F1	10.0	4.04	F1	mg/L		-0.4	80 - 120		

Lab Sample ID: 680-261943-10 MSD
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-WAMW-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.9	F1	10.0	2.88	F1	mg/L		-0.04	80 - 120	0	15
Fluoride	0.13	F1	2.00	0.134	F1	mg/L		0.2	80 - 120	9	15
Sulfate	4.1	F1	10.0	4.07	F1	mg/L		-0.07	80 - 120	1	15

Lab Sample ID: 680-261943-21 MS
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-PZ-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4.8		10.0	15.5		mg/L		106	80 - 120		
Fluoride	<0.040		2.00	2.15		mg/L		108	80 - 120		
Sulfate	0.62	J	10.0	11.6		mg/L		110	80 - 120		

Lab Sample ID: 680-261943-21 MSD
Matrix: Water
Analysis Batch: 876645

Client Sample ID: WAN-PZ-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.8		10.0	15.0		mg/L		102	80 - 120	3	15
Fluoride	<0.040		2.00	2.06		mg/L		103	80 - 120	4	15
Sulfate	0.62	J	10.0	11.1		mg/L		105	80 - 120	5	15

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-876688/2
Matrix: Water
Analysis Batch: 876688

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/22/25 11:58	1
Fluoride	<0.040		0.10	0.040	mg/L			02/22/25 11:58	1
Sulfate	<0.40		1.0	0.40	mg/L			02/22/25 11:58	1

Lab Sample ID: LCS 680-876688/3
Matrix: Water
Analysis Batch: 876688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	9.97		mg/L		100	90 - 110
Fluoride	2.00	2.04		mg/L		102	90 - 110
Sulfate	10.0	10.9		mg/L		109	90 - 110

Lab Sample ID: LCSD 680-876688/4
Matrix: Water
Analysis Batch: 876688

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.0		mg/L		100	90 - 110	0	15
Fluoride	2.00	2.04		mg/L		102	90 - 110	0	15
Sulfate	10.0	10.9		mg/L		109	90 - 110	0	15

Lab Sample ID: 680-261943-11 MS
Matrix: Water
Analysis Batch: 876688

Client Sample ID: WAN-AP1-FD-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.3	F1	10.0	10.1	F1	mg/L		77	80 - 120
Fluoride	0.063	J F1 F2	2.00	1.56	F1	mg/L		75	80 - 120
Sulfate	5.4	F1	10.0	13.0	F1	mg/L		76	80 - 120

Lab Sample ID: 680-261943-11 MSD
Matrix: Water
Analysis Batch: 876688

Client Sample ID: WAN-AP1-FD-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2.3	F1	10.0	11.6		mg/L		93	80 - 120	14	15
Fluoride	0.063	J F1 F2	2.00	1.87	F2	mg/L		90	80 - 120	18	15
Sulfate	5.4	F1	10.0	14.9		mg/L		95	80 - 120	14	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-875904/1-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/18/25 17:33	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 17:33	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-875904/1-A
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/19/25 09:28	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/19/25 09:28	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/19/25 09:28	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/19/25 09:28	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/19/25 09:28	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/19/25 09:28	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/19/25 09:28	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/19/25 09:28	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/19/25 09:28	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/19/25 09:28	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/19/25 09:28	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/19/25 09:28	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/19/25 09:28	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/19/25 09:28	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/19/25 09:28	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/19/25 09:28	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/17/25 06:11	02/19/25 09:28	1

Lab Sample ID: LCS 680-875904/2-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.391		mg/L		98	80 - 120
Lithium	0.500	0.506		mg/L		101	80 - 120

Lab Sample ID: LCS 680-875904/2-A
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0494		mg/L		99	80 - 120
Arsenic	0.100	0.0972		mg/L		97	80 - 120
Barium	0.100	0.0989		mg/L		99	80 - 120
Beryllium	0.0500	0.0502		mg/L		100	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Calcium	5.00	4.88		mg/L		98	80 - 120
Chromium	0.100	0.0982		mg/L		98	80 - 120
Cobalt	0.0500	0.0502		mg/L		100	80 - 120
Iron	5.00	5.01		mg/L		100	80 - 120
Lead	0.500	0.496		mg/L		99	80 - 120
Magnesium	5.00	4.96		mg/L		99	80 - 120
Manganese	0.400	0.398		mg/L		100	80 - 120
Molybdenum	0.100	0.100		mg/L		100	80 - 120
Potassium	7.00	6.96		mg/L		99	80 - 120
Selenium	0.100	0.0969		mg/L		97	80 - 120
Sodium	5.00	5.06		mg/L		101	80 - 120
Thallium	0.0500	0.0489		mg/L		98	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-186495-E-1-B MS
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.022		0.400	0.431		mg/L		108	75 - 125
Lithium	<0.0020		0.500	0.533		mg/L		107	75 - 125

Lab Sample ID: 180-186495-E-1-B MS
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0529		mg/L		106	75 - 125
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125
Barium	0.0091	J	0.100	0.115		mg/L		106	75 - 125
Beryllium	<0.00020		0.0500	0.0537		mg/L		107	75 - 125
Cadmium	<0.000078		0.0500	0.0519		mg/L		104	75 - 125
Calcium	120		5.00	136	4	mg/L		226	75 - 125
Chromium	<0.0012		0.100	0.105		mg/L		105	75 - 125
Cobalt	<0.00022		0.0500	0.0534		mg/L		107	75 - 125
Iron	0.012	J	5.00	5.24		mg/L		105	75 - 125
Lead	<0.00021		0.500	0.536		mg/L		107	75 - 125
Magnesium	<0.023		5.00	5.22		mg/L		104	75 - 125
Manganese	<0.0022		0.400	0.425		mg/L		106	75 - 125
Molybdenum	0.0042	J	0.100	0.112		mg/L		108	75 - 125
Potassium	1.1		7.00	8.50		mg/L		106	75 - 125
Selenium	<0.00099		0.100	0.103		mg/L		103	75 - 125
Sodium	17		5.00	23.1		mg/L		121	75 - 125
Thallium	<0.00026		0.0500	0.0524		mg/L		105	75 - 125

Lab Sample ID: 180-186495-E-1-C MSD
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.400	0.417		mg/L		104	75 - 125	3	20
Lithium	<0.0020		0.500	0.508		mg/L		102	75 - 125	5	20

Lab Sample ID: 180-186495-E-1-C MSD
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0539		mg/L		108	75 - 125	2	20
Arsenic	<0.00086		0.100	0.104		mg/L		104	75 - 125	1	20
Barium	0.0091	J	0.100	0.118		mg/L		109	75 - 125	3	20
Beryllium	<0.00020		0.0500	0.0553		mg/L		111	75 - 125	3	20
Cadmium	<0.000078		0.0500	0.0538		mg/L		108	75 - 125	4	20
Calcium	120		5.00	135	4	mg/L		212	75 - 125	1	20
Chromium	<0.0012		0.100	0.107		mg/L		107	75 - 125	2	20
Cobalt	<0.00022		0.0500	0.0545		mg/L		109	75 - 125	2	20
Iron	0.012	J	5.00	5.38		mg/L		108	75 - 125	3	20
Lead	<0.00021		0.500	0.537		mg/L		107	75 - 125	0	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 180-186495-E-1-C MSD
Matrix: Water
Analysis Batch: 876418

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 875904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	<0.023		5.00	5.42		mg/L		108	75 - 125	4	20
Manganese	<0.0022		0.400	0.427		mg/L		107	75 - 125	1	20
Molybdenum	0.0042	J	0.100	0.115		mg/L		111	75 - 125	2	20
Potassium	1.1		7.00	8.60		mg/L		107	75 - 125	1	20
Selenium	<0.00099		0.100	0.105		mg/L		105	75 - 125	2	20
Sodium	17		5.00	23.2		mg/L		123	75 - 125	0	20
Thallium	<0.00026		0.0500	0.0528		mg/L		106	75 - 125	1	20

Lab Sample ID: MB 680-875906/1-A
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/17/25 06:11	02/17/25 13:35	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/17/25 06:11	02/17/25 13:35	1
Barium	<0.00089		0.010	0.00089	mg/L		02/17/25 06:11	02/17/25 13:35	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/17/25 06:11	02/17/25 13:35	1
Boron	<0.022		0.080	0.022	mg/L		02/17/25 06:11	02/17/25 13:35	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/17/25 06:11	02/17/25 13:35	1
Calcium	<0.14		0.50	0.14	mg/L		02/17/25 06:11	02/17/25 13:35	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/17/25 06:11	02/17/25 13:35	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/17/25 06:11	02/17/25 13:35	1
Iron	<0.012		0.050	0.012	mg/L		02/17/25 06:11	02/17/25 13:35	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/17/25 06:11	02/17/25 13:35	1
Magnesium	<0.023		0.50	0.023	mg/L		02/17/25 06:11	02/17/25 13:35	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/17/25 06:11	02/17/25 13:35	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/17/25 06:11	02/17/25 13:35	1
Potassium	<0.044		0.50	0.044	mg/L		02/17/25 06:11	02/17/25 13:35	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/17/25 06:11	02/17/25 13:35	1
Sodium	<0.20		0.50	0.20	mg/L		02/17/25 06:11	02/17/25 13:35	1

Lab Sample ID: MB 680-875906/1-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		02/17/25 06:11	02/18/25 15:48	1
Thallium	<0.00026	^+	0.0010	0.00026	mg/L		02/17/25 06:11	02/18/25 15:48	1

Lab Sample ID: LCS 680-875906/2-A
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0528		mg/L		106	80 - 120
Arsenic	0.100	0.107		mg/L		107	80 - 120
Barium	0.100	0.103		mg/L		103	80 - 120
Beryllium	0.0500	0.0557		mg/L		111	80 - 120
Boron	0.400	0.417		mg/L		104	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-875906/2-A
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	0.0500	0.0505		mg/L		101	80 - 120
Calcium	5.00	5.39		mg/L		108	80 - 120
Chromium	0.100	0.105		mg/L		105	80 - 120
Cobalt	0.0500	0.0526		mg/L		105	80 - 120
Iron	5.00	5.30		mg/L		106	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Magnesium	5.00	5.30		mg/L		106	80 - 120
Manganese	0.400	0.418		mg/L		105	80 - 120
Molybdenum	0.100	0.109		mg/L		109	80 - 120
Potassium	7.00	7.39		mg/L		106	80 - 120
Selenium	0.100	0.106		mg/L		106	80 - 120
Sodium	5.00	5.37		mg/L		107	80 - 120

Lab Sample ID: LCS 680-875906/2-A
Matrix: Water
Analysis Batch: 876267

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.505		mg/L		101	80 - 120
Thallium	0.0500	0.0537	^+	mg/L		107	80 - 120

Lab Sample ID: 752-29506-A-3-B MS
Matrix: Water
Analysis Batch: 876142

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 875906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.00036	J	0.0500	0.0552		mg/L		110	75 - 125
Arsenic	<0.00086		0.100	0.106		mg/L		106	75 - 125
Barium	0.037		0.100	0.143		mg/L		106	75 - 125
Beryllium	<0.00020		0.0500	0.0568		mg/L		114	75 - 125
Boron	<0.022		0.400	0.442		mg/L		110	75 - 125
Cadmium	<0.000078		0.0500	0.0520		mg/L		104	75 - 125
Calcium	6.4		5.00	11.8		mg/L		107	75 - 125
Chromium	0.0018	J	0.100	0.107		mg/L		105	75 - 125
Cobalt	<0.00022		0.0500	0.0522		mg/L		104	75 - 125
Iron	0.27		5.00	5.63		mg/L		107	75 - 125
Lead	0.0019		0.500	0.548		mg/L		109	75 - 125
Magnesium	1.1		5.00	6.40		mg/L		105	75 - 125
Manganese	0.015		0.400	0.433		mg/L		105	75 - 125
Molybdenum	<0.00086		0.100	0.113		mg/L		113	75 - 125
Potassium	1.5		7.00	8.85		mg/L		105	75 - 125
Selenium	<0.00099		0.100	0.109		mg/L		109	75 - 125
Sodium	12		5.00	16.4		mg/L		90	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 752-29506-A-3-B MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 876267 — **Prep Batch: 875906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0020		0.500	0.530		mg/L		106	75 - 125
Thallium	<0.00026		0.0500	0.0549		mg/L		110	75 - 125

Lab Sample ID: 752-29506-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 876142 — **Prep Batch: 875906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.00036	J	0.0500	0.0558		mg/L		111	75 - 125	1	20
Arsenic	<0.00086		0.100	0.109		mg/L		109	75 - 125	2	20
Barium	0.037		0.100	0.158		mg/L		121	75 - 125	10	20
Beryllium	<0.00020		0.0500	0.0570		mg/L		114	75 - 125	0	20
Boron	<0.022		0.400	0.445		mg/L		111	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0535		mg/L		107	75 - 125	3	20
Calcium	6.4		5.00	11.6		mg/L		103	75 - 125	2	20
Chromium	0.0018	J	0.100	0.108		mg/L		106	75 - 125	1	20
Cobalt	<0.00022		0.0500	0.0517		mg/L		103	75 - 125	1	20
Iron	0.27		5.00	5.62		mg/L		107	75 - 125	0	20
Lead	0.0019		0.500	0.544		mg/L		108	75 - 125	1	20
Magnesium	1.1		5.00	6.45		mg/L		106	75 - 125	1	20
Manganese	0.015		0.400	0.434		mg/L		105	75 - 125	0	20
Molybdenum	<0.00086		0.100	0.113		mg/L		113	75 - 125	0	20
Potassium	1.5		7.00	9.13		mg/L		109	75 - 125	3	20
Selenium	<0.00099		0.100	0.110		mg/L		110	75 - 125	0	20
Sodium	12		5.00	16.3		mg/L		89	75 - 125	0	20

Lab Sample ID: 752-29506-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 876267 — **Prep Batch: 875906**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.524		mg/L		105	75 - 125	1	20
Thallium	<0.00026		0.0500	0.0552		mg/L		110	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-876505/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 876558 — **Prep Batch: 876505**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/25 12:56	02/20/25 17:13	1

Lab Sample ID: LCS 680-876505/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 876558 — **Prep Batch: 876505**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00264		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 680-261844-B-11-C MS
Matrix: Water
Analysis Batch: 876558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 876505

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000983		mg/L		98	80 - 120

Lab Sample ID: 680-261844-B-11-D MSD
Matrix: Water
Analysis Batch: 876558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 876505

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00105		mg/L		105	80 - 120	7	20

Lab Sample ID: MB 680-876641/1-A
Matrix: Water
Analysis Batch: 876741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/25 12:45	02/23/25 14:46	1

Lab Sample ID: LCS 680-876641/2-A
Matrix: Water
Analysis Batch: 876741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

Lab Sample ID: 680-261943-3 MS
Matrix: Water
Analysis Batch: 876741

Client Sample ID: WAN-WGWC-16
Prep Type: Total/NA
Prep Batch: 876641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.00101		mg/L		101	80 - 120

Lab Sample ID: 680-261943-3 MSD
Matrix: Water
Analysis Batch: 876741

Client Sample ID: WAN-WGWC-16
Prep Type: Total/NA
Prep Batch: 876641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000993		mg/L		99	80 - 120	2	20

Lab Sample ID: MB 680-876812/1-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:18	02/25/25 11:39	1

Lab Sample ID: LCS 680-876812/2-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00255		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 680-261943-17 MS
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-WGWC-21
Prep Type: Total/NA
Prep Batch: 876812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080		0.00100	0.00100		mg/L		100	80 - 120		

Lab Sample ID: 680-261943-17 MSD
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-WGWC-21
Prep Type: Total/NA
Prep Batch: 876812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000995		mg/L		99	80 - 120	1	20

Lab Sample ID: MB 680-876813/1-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/25 13:19	02/25/25 10:29	1

Lab Sample ID: LCS 680-876813/2-A
Matrix: Water
Analysis Batch: 876960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876813

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00252		mg/L		101	80 - 120		

Lab Sample ID: 680-261943-25 MS
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-AP1-EB-03
Prep Type: Total/NA
Prep Batch: 876813

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080		0.00100	0.000984		mg/L		98	80 - 120		

Lab Sample ID: 680-261943-25 MSD
Matrix: Water
Analysis Batch: 876960

Client Sample ID: WAN-AP1-EB-03
Prep Type: Total/NA
Prep Batch: 876813

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000990		mg/L		99	80 - 120	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-876307/4
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/18/25 12:37	1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCS 680-876307/6
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	247		mg/L		99	90 - 112		

Lab Sample ID: LCSD 680-876307/31
Matrix: Water
Analysis Batch: 876307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	248		mg/L		99	90 - 112	0	30

Lab Sample ID: 680-261943-9 DU
Matrix: Water
Analysis Batch: 876307

Client Sample ID: WAN-WAMW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	12			10.4		mg/L				17	30
Bicarbonate Alkalinity as CaCO3	12			10.4		mg/L				17	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Lab Sample ID: MB 680-876836/4
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/25 19:04	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/25 19:04	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/25 19:04	1

Lab Sample ID: LCS 680-876836/6
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	246		mg/L		99	90 - 112		

Lab Sample ID: LCSD 680-876836/31
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	246		mg/L		98	90 - 112	0	30

Lab Sample ID: 680-261941-C-10 DU
Matrix: Water
Analysis Batch: 876836

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	28			25.5		mg/L				9	30
Bicarbonate Alkalinity as CaCO3	28			25.5		mg/L				9	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: MB 680-876837/4
Matrix: Water
Analysis Batch: 876837

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/25 00:33	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/25 00:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/25 00:33	1

Lab Sample ID: LCS 680-876837/6
Matrix: Water
Analysis Batch: 876837

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	248		mg/L		99	90 - 112

Lab Sample ID: LCSD 680-876837/31
Matrix: Water
Analysis Batch: 876837

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	250		mg/L		100	90 - 112	1	30

Lab Sample ID: 680-261943-22 DU
Matrix: Water
Analysis Batch: 876837

Client Sample ID: WAN-AP1-FD-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	84		83.7		mg/L		0.2	30
Bicarbonate Alkalinity as CaCO3	84		83.7		mg/L		0.2	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-876097/1
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/18/25 07:09	1

Lab Sample ID: LCS 680-876097/2
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2440	2420		mg/L		99	80 - 120

Lab Sample ID: LCSD 680-876097/3
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2440	2400		mg/L		98	80 - 120	1	25

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: 680-261823-A-1 DU
Matrix: Water
Analysis Batch: 876097

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	250			240		mg/L				3	5

Lab Sample ID: MB 680-876316/1
Matrix: Water
Analysis Batch: 876316

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/18/25 07:09	1

Lab Sample ID: LCS 680-876316/2
Matrix: Water
Analysis Batch: 876316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2410		mg/L		99	80 - 120		

Lab Sample ID: LCSD 680-876316/3
Matrix: Water
Analysis Batch: 876316

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2400		mg/L		99	80 - 120	0	25

Lab Sample ID: 680-261943-4 DU
Matrix: Water
Analysis Batch: 876316

Client Sample ID: WAN-WGWC-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1300			1250		mg/L				2	5

Lab Sample ID: MB 680-876411/1
Matrix: Water
Analysis Batch: 876411

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/20/25 06:33	1

Lab Sample ID: LCS 680-876411/2
Matrix: Water
Analysis Batch: 876411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2410		mg/L		99	80 - 120		

Lab Sample ID: LCSD 680-876411/3
Matrix: Water
Analysis Batch: 876411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2370		mg/L		97	80 - 120	1	25

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: 680-261943-17 DU
Matrix: Water
Analysis Batch: 876411

Client Sample ID: WAN-WGWC-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	610			618		mg/L				1	5

Lab Sample ID: MB 680-876416/1
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/20/25 07:49	1

Lab Sample ID: LCS 680-876416/2
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			2440	2350		mg/L		96	80 - 120		

Lab Sample ID: LCSD 680-876416/3
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2440	2380		mg/L		98	80 - 120	1	25

Lab Sample ID: 680-261988-C-1 DU
Matrix: Water
Analysis Batch: 876416

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	350			364		mg/L				5	5

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: MB 680-875975/1
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			02/17/25 11:37	1

Lab Sample ID: LCS 680-875975/2
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			10.0	8.24		mg/L		82	75 - 125		

Method: 4500 S2 F-2011 - Sulfide, Total (Continued)

Lab Sample ID: LCSD 680-875975/3
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	9.83		mg/L		98	75 - 125	18	30

Lab Sample ID: 680-261860-E-5 MS
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.83		6.94	5.91		mg/L		85	75 - 125		

Lab Sample ID: 680-261860-E-5 MSD
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.83		6.94	5.91		mg/L		85	75 - 125	0	30

Lab Sample ID: 670-56772-E-1 DU
Matrix: Water
Analysis Batch: 875975

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	6.3		6.98		mg/L		11	30

Lab Sample ID: MB 680-876205/1
Matrix: Water
Analysis Batch: 876205

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<1.0		1.0	1.0	mg/L			02/18/25 12:44	1

Lab Sample ID: LCS 680-876205/2
Matrix: Water
Analysis Batch: 876205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			10.0	8.16		mg/L		82	75 - 125		

Lab Sample ID: LCSD 680-876205/3
Matrix: Water
Analysis Batch: 876205

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			10.0	8.40		mg/L		84	75 - 125	3	30

Lab Sample ID: 680-261943-16 MS
Matrix: Water
Analysis Batch: 876205

Client Sample ID: WAN-WGWC-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<0.83		6.50	6.20		mg/L		95	75 - 125		

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Method: 4500 S2 F-2011 - Sulfide, Total

Lab Sample ID: 680-261943-16 MSD
Matrix: Water
Analysis Batch: 876205

Client Sample ID: WAN-WGWC-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.83		6.50	6.20		mg/L		95	75 - 125	0	30

Lab Sample ID: 680-261943-14 DU
Matrix: Water
Analysis Batch: 876205

Client Sample ID: WAN-WGWC-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	<0.89			<0.89		mg/L				NC	30

HPLC/IC

Analysis Batch: 876596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	300.0-1993 R2.1	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	300.0-1993 R2.1	
680-261943-3	WAN-WGWC-16	Total/NA	Water	300.0-1993 R2.1	
680-261943-4	WAN-WGWC-20	Total/NA	Water	300.0-1993 R2.1	
680-261943-5	WAN-WGWC-22	Total/NA	Water	300.0-1993 R2.1	
680-261943-6	WAN-WGWC-25	Total/NA	Water	300.0-1993 R2.1	
680-261943-7	WAN-WGWC-27	Total/NA	Water	300.0-1993 R2.1	
MB 680-876596/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876596/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876596/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261941-D-17 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-261941-D-17 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 876645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-10	WAN-WAMW-2	Total/NA	Water	300.0-1993 R2.1	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	300.0-1993 R2.1	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	300.0-1993 R2.1	
680-261943-14	WAN-WGWC-10	Total/NA	Water	300.0-1993 R2.1	
680-261943-15	WAN-WGWC-15	Total/NA	Water	300.0-1993 R2.1	
680-261943-16	WAN-WGWC-19	Total/NA	Water	300.0-1993 R2.1	
680-261943-17	WAN-WGWC-21	Total/NA	Water	300.0-1993 R2.1	
680-261943-18	WAN-WGWC-23	Total/NA	Water	300.0-1993 R2.1	
680-261943-20	WAN-PZ-26D	Total/NA	Water	300.0-1993 R2.1	
680-261943-21	WAN-PZ-31	Total/NA	Water	300.0-1993 R2.1	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	300.0-1993 R2.1	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	300.0-1993 R2.1	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	300.0-1993 R2.1	
MB 680-876645/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876645/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876645/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261943-10 MS	WAN-WAMW-2	Total/NA	Water	300.0-1993 R2.1	
680-261943-10 MSD	WAN-WAMW-2	Total/NA	Water	300.0-1993 R2.1	
680-261943-21 MS	WAN-PZ-31	Total/NA	Water	300.0-1993 R2.1	
680-261943-21 MSD	WAN-PZ-31	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 876688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-8	WAN-WGWC-28D	Total/NA	Water	300.0-1993 R2.1	
680-261943-9	WAN-WAMW-1	Total/NA	Water	300.0-1993 R2.1	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	300.0-1993 R2.1	
680-261943-19	WAN-WGWC-24	Total/NA	Water	300.0-1993 R2.1	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	300.0-1993 R2.1	
MB 680-876688/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876688/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876688/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-261943-11 MS	WAN-AP1-FD-02	Total/NA	Water	300.0-1993 R2.1	
680-261943-11 MSD	WAN-AP1-FD-02	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 875904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total Recoverable	Water	3005A	
680-261943-2	WAN-WGWC-14A	Total Recoverable	Water	3005A	
680-261943-3	WAN-WGWC-16	Total Recoverable	Water	3005A	
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	3005A	
680-261943-5	WAN-WGWC-22	Total Recoverable	Water	3005A	
680-261943-7	WAN-WGWC-27	Total Recoverable	Water	3005A	
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	3005A	
680-261943-9	WAN-WAMW-1	Total Recoverable	Water	3005A	
680-261943-10	WAN-WAMW-2	Total Recoverable	Water	3005A	
680-261943-18	WAN-WGWC-23	Total Recoverable	Water	3005A	
680-261943-19	WAN-WGWC-24	Total Recoverable	Water	3005A	
680-261943-20	WAN-PZ-26D	Total Recoverable	Water	3005A	
680-261943-21	WAN-PZ-31	Total Recoverable	Water	3005A	
680-261943-22	WAN-AP1-FD-03	Total Recoverable	Water	3005A	
680-261943-23	WAN-AP1-FB-09	Total Recoverable	Water	3005A	
680-261943-24	WAN-AP1-EB-02	Total Recoverable	Water	3005A	
680-261943-25	WAN-AP1-EB-03	Total Recoverable	Water	3005A	
MB 680-875904/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-875904/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-186495-E-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
180-186495-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 875906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-6	WAN-WGWC-25	Total Recoverable	Water	3005A	
680-261943-11	WAN-AP1-FD-02	Total Recoverable	Water	3005A	
680-261943-12	WAN-AP1-FB-08	Total Recoverable	Water	3005A	
680-261943-13	WAN-AP1-EB-01	Total Recoverable	Water	3005A	
680-261943-14	WAN-WGWC-10	Total Recoverable	Water	3005A	
680-261943-15	WAN-WGWC-15	Total Recoverable	Water	3005A	
680-261943-16	WAN-WGWC-19	Total Recoverable	Water	3005A	
680-261943-17	WAN-WGWC-21	Total Recoverable	Water	3005A	
MB 680-875906/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-875906/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-29506-A-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
752-29506-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 876142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-6	WAN-WGWC-25	Total Recoverable	Water	6020B	875906
680-261943-11	WAN-AP1-FD-02	Total Recoverable	Water	6020B	875906
680-261943-12	WAN-AP1-FB-08	Total Recoverable	Water	6020B	875906
680-261943-13	WAN-AP1-EB-01	Total Recoverable	Water	6020B	875906
680-261943-14	WAN-WGWC-10	Total Recoverable	Water	6020B	875906
680-261943-15	WAN-WGWC-15	Total Recoverable	Water	6020B	875906
680-261943-16	WAN-WGWC-19	Total Recoverable	Water	6020B	875906
680-261943-17	WAN-WGWC-21	Total Recoverable	Water	6020B	875906
MB 680-875906/1-A	Method Blank	Total Recoverable	Water	6020B	875906
LCS 680-875906/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875906
752-29506-A-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	875906
752-29506-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875906

Metals

Analysis Batch: 876267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total Recoverable	Water	6020B	875904
680-261943-2	WAN-WGWC-14A	Total Recoverable	Water	6020B	875904
680-261943-3	WAN-WGWC-16	Total Recoverable	Water	6020B	875904
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	6020B	875904
680-261943-5	WAN-WGWC-22	Total Recoverable	Water	6020B	875904
680-261943-6	WAN-WGWC-25	Total Recoverable	Water	6020B	875906
680-261943-7	WAN-WGWC-27	Total Recoverable	Water	6020B	875904
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	6020B	875904
680-261943-9	WAN-WAMW-1	Total Recoverable	Water	6020B	875904
680-261943-10	WAN-WAMW-2	Total Recoverable	Water	6020B	875904
680-261943-11	WAN-AP1-FD-02	Total Recoverable	Water	6020B	875906
680-261943-12	WAN-AP1-FB-08	Total Recoverable	Water	6020B	875906
680-261943-13	WAN-AP1-EB-01	Total Recoverable	Water	6020B	875906
680-261943-14	WAN-WGWC-10	Total Recoverable	Water	6020B	875906
680-261943-15	WAN-WGWC-15	Total Recoverable	Water	6020B	875906
680-261943-16	WAN-WGWC-19	Total Recoverable	Water	6020B	875906
680-261943-17	WAN-WGWC-21	Total Recoverable	Water	6020B	875906
680-261943-18	WAN-WGWC-23	Total Recoverable	Water	6020B	875904
680-261943-19	WAN-WGWC-24	Total Recoverable	Water	6020B	875904
680-261943-20	WAN-PZ-26D	Total Recoverable	Water	6020B	875904
680-261943-21	WAN-PZ-31	Total Recoverable	Water	6020B	875904
680-261943-22	WAN-AP1-FD-03	Total Recoverable	Water	6020B	875904
680-261943-23	WAN-AP1-FB-09	Total Recoverable	Water	6020B	875904
680-261943-24	WAN-AP1-EB-02	Total Recoverable	Water	6020B	875904
680-261943-25	WAN-AP1-EB-03	Total Recoverable	Water	6020B	875904
MB 680-875904/1-A	Method Blank	Total Recoverable	Water	6020B	875904
MB 680-875906/1-A	Method Blank	Total Recoverable	Water	6020B	875906
LCS 680-875904/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875904
LCS 680-875906/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875906
180-186495-E-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	875904
180-186495-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875904
752-29506-A-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	875906
752-29506-A-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875906

Analysis Batch: 876418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total Recoverable	Water	6020B	875904
680-261943-2	WAN-WGWC-14A	Total Recoverable	Water	6020B	875904
680-261943-3	WAN-WGWC-16	Total Recoverable	Water	6020B	875904
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	6020B	875904
680-261943-4	WAN-WGWC-20	Total Recoverable	Water	6020B	875904
680-261943-5	WAN-WGWC-22	Total Recoverable	Water	6020B	875904
680-261943-7	WAN-WGWC-27	Total Recoverable	Water	6020B	875904
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	6020B	875904
680-261943-8	WAN-WGWC-28D	Total Recoverable	Water	6020B	875904
680-261943-9	WAN-WAMW-1	Total Recoverable	Water	6020B	875904
680-261943-10	WAN-WAMW-2	Total Recoverable	Water	6020B	875904
680-261943-18	WAN-WGWC-23	Total Recoverable	Water	6020B	875904
680-261943-19	WAN-WGWC-24	Total Recoverable	Water	6020B	875904
680-261943-20	WAN-PZ-26D	Total Recoverable	Water	6020B	875904
680-261943-21	WAN-PZ-31	Total Recoverable	Water	6020B	875904

Metals (Continued)

Analysis Batch: 876418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-22	WAN-AP1-FD-03	Total Recoverable	Water	6020B	875904
680-261943-23	WAN-AP1-FB-09	Total Recoverable	Water	6020B	875904
680-261943-24	WAN-AP1-EB-02	Total Recoverable	Water	6020B	875904
680-261943-25	WAN-AP1-EB-03	Total Recoverable	Water	6020B	875904
MB 680-875904/1-A	Method Blank	Total Recoverable	Water	6020B	875904
LCS 680-875904/2-A	Lab Control Sample	Total Recoverable	Water	6020B	875904
180-186495-E-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	875904
180-186495-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	875904

Prep Batch: 876505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	7470A	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	7470A	
MB 680-876505/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876505/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261844-B-11-C MS	Matrix Spike	Total/NA	Water	7470A	
680-261844-B-11-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 876558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	7470A	876505
680-261943-2	WAN-WGWC-14A	Total/NA	Water	7470A	876505
MB 680-876505/1-A	Method Blank	Total/NA	Water	7470A	876505
LCS 680-876505/2-A	Lab Control Sample	Total/NA	Water	7470A	876505
680-261844-B-11-C MS	Matrix Spike	Total/NA	Water	7470A	876505
680-261844-B-11-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	876505

Prep Batch: 876641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-3	WAN-WGWC-16	Total/NA	Water	7470A	
680-261943-4	WAN-WGWC-20	Total/NA	Water	7470A	
680-261943-5	WAN-WGWC-22	Total/NA	Water	7470A	
680-261943-6	WAN-WGWC-25	Total/NA	Water	7470A	
680-261943-7	WAN-WGWC-27	Total/NA	Water	7470A	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	7470A	
680-261943-9	WAN-WAMW-1	Total/NA	Water	7470A	
MB 680-876641/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876641/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261943-3 MS	WAN-WGWC-16	Total/NA	Water	7470A	
680-261943-3 MSD	WAN-WGWC-16	Total/NA	Water	7470A	

Analysis Batch: 876741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-3	WAN-WGWC-16	Total/NA	Water	7470A	876641
680-261943-4	WAN-WGWC-20	Total/NA	Water	7470A	876641
680-261943-5	WAN-WGWC-22	Total/NA	Water	7470A	876641
680-261943-6	WAN-WGWC-25	Total/NA	Water	7470A	876641
680-261943-7	WAN-WGWC-27	Total/NA	Water	7470A	876641
680-261943-8	WAN-WGWC-28D	Total/NA	Water	7470A	876641
680-261943-9	WAN-WAMW-1	Total/NA	Water	7470A	876641
MB 680-876641/1-A	Method Blank	Total/NA	Water	7470A	876641

Metals (Continued)

Analysis Batch: 876741 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-876641/2-A	Lab Control Sample	Total/NA	Water	7470A	876641
680-261943-3 MS	WAN-WGWC-16	Total/NA	Water	7470A	876641
680-261943-3 MSD	WAN-WGWC-16	Total/NA	Water	7470A	876641

Prep Batch: 876812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-10	WAN-WAMW-2	Total/NA	Water	7470A	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	7470A	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	7470A	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	7470A	
680-261943-14	WAN-WGWC-10	Total/NA	Water	7470A	
680-261943-15	WAN-WGWC-15	Total/NA	Water	7470A	
680-261943-16	WAN-WGWC-19	Total/NA	Water	7470A	
680-261943-17	WAN-WGWC-21	Total/NA	Water	7470A	
MB 680-876812/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876812/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261943-17 MS	WAN-WGWC-21	Total/NA	Water	7470A	
680-261943-17 MSD	WAN-WGWC-21	Total/NA	Water	7470A	

Prep Batch: 876813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-18	WAN-WGWC-23	Total/NA	Water	7470A	
680-261943-19	WAN-WGWC-24	Total/NA	Water	7470A	
680-261943-20	WAN-PZ-26D	Total/NA	Water	7470A	
680-261943-21	WAN-PZ-31	Total/NA	Water	7470A	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	7470A	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	7470A	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	7470A	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	7470A	
MB 680-876813/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-876813/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-261943-25 MS	WAN-AP1-EB-03	Total/NA	Water	7470A	
680-261943-25 MSD	WAN-AP1-EB-03	Total/NA	Water	7470A	

Analysis Batch: 876960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-10	WAN-WAMW-2	Total/NA	Water	7470A	876812
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	7470A	876812
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	7470A	876812
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	7470A	876812
680-261943-14	WAN-WGWC-10	Total/NA	Water	7470A	876812
680-261943-15	WAN-WGWC-15	Total/NA	Water	7470A	876812
680-261943-16	WAN-WGWC-19	Total/NA	Water	7470A	876812
680-261943-17	WAN-WGWC-21	Total/NA	Water	7470A	876812
680-261943-18	WAN-WGWC-23	Total/NA	Water	7470A	876813
680-261943-19	WAN-WGWC-24	Total/NA	Water	7470A	876813
680-261943-20	WAN-PZ-26D	Total/NA	Water	7470A	876813
680-261943-21	WAN-PZ-31	Total/NA	Water	7470A	876813
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	7470A	876813
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	7470A	876813
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	7470A	876813

Metals (Continued)

Analysis Batch: 876960 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	7470A	876813
MB 680-876812/1-A	Method Blank	Total/NA	Water	7470A	876812
MB 680-876813/1-A	Method Blank	Total/NA	Water	7470A	876813
LCS 680-876812/2-A	Lab Control Sample	Total/NA	Water	7470A	876812
LCS 680-876813/2-A	Lab Control Sample	Total/NA	Water	7470A	876813
680-261943-17 MS	WAN-WGWC-21	Total/NA	Water	7470A	876812
680-261943-17 MSD	WAN-WGWC-21	Total/NA	Water	7470A	876812
680-261943-25 MS	WAN-AP1-EB-03	Total/NA	Water	7470A	876813
680-261943-25 MSD	WAN-AP1-EB-03	Total/NA	Water	7470A	876813

General Chemistry

Analysis Batch: 875975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	4500 S2 F-2011	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	4500 S2 F-2011	
680-261943-3	WAN-WGWC-16	Total/NA	Water	4500 S2 F-2011	
680-261943-4	WAN-WGWC-20	Total/NA	Water	4500 S2 F-2011	
680-261943-5	WAN-WGWC-22	Total/NA	Water	4500 S2 F-2011	
680-261943-6	WAN-WGWC-25	Total/NA	Water	4500 S2 F-2011	
680-261943-7	WAN-WGWC-27	Total/NA	Water	4500 S2 F-2011	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	4500 S2 F-2011	
680-261943-9	WAN-WAMW-1	Total/NA	Water	4500 S2 F-2011	
680-261943-10	WAN-WAMW-2	Total/NA	Water	4500 S2 F-2011	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	4500 S2 F-2011	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	4500 S2 F-2011	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	4500 S2 F-2011	
MB 680-875975/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-875975/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-875975/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-261860-E-5 MS	Matrix Spike	Total/NA	Water	4500 S2 F-2011	
680-261860-E-5 MSD	Matrix Spike Duplicate	Total/NA	Water	4500 S2 F-2011	
670-56772-E-1 DU	Duplicate	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 876097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	2540C-2011	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	2540C-2011	
MB 680-876097/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876097/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876097/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261823-A-1 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 876205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-14	WAN-WGWC-10	Total/NA	Water	4500 S2 F-2011	
680-261943-15	WAN-WGWC-15	Total/NA	Water	4500 S2 F-2011	
680-261943-16	WAN-WGWC-19	Total/NA	Water	4500 S2 F-2011	
680-261943-17	WAN-WGWC-21	Total/NA	Water	4500 S2 F-2011	
680-261943-18	WAN-WGWC-23	Total/NA	Water	4500 S2 F-2011	
680-261943-19	WAN-WGWC-24	Total/NA	Water	4500 S2 F-2011	

General Chemistry (Continued)

Analysis Batch: 876205 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-20	WAN-PZ-26D	Total/NA	Water	4500 S2 F-2011	
680-261943-21	WAN-PZ-31	Total/NA	Water	4500 S2 F-2011	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	4500 S2 F-2011	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	4500 S2 F-2011	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	4500 S2 F-2011	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	4500 S2 F-2011	
MB 680-876205/1	Method Blank	Total/NA	Water	4500 S2 F-2011	
LCS 680-876205/2	Lab Control Sample	Total/NA	Water	4500 S2 F-2011	
LCSD 680-876205/3	Lab Control Sample Dup	Total/NA	Water	4500 S2 F-2011	
680-261943-16 MS	WAN-WGWC-19	Total/NA	Water	4500 S2 F-2011	
680-261943-16 MSD	WAN-WGWC-19	Total/NA	Water	4500 S2 F-2011	
680-261943-14 DU	WAN-WGWC-10	Total/NA	Water	4500 S2 F-2011	

Analysis Batch: 876307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-1	WAN-WGWC-13	Total/NA	Water	2320B-2011	
680-261943-2	WAN-WGWC-14A	Total/NA	Water	2320B-2011	
680-261943-3	WAN-WGWC-16	Total/NA	Water	2320B-2011	
680-261943-4	WAN-WGWC-20	Total/NA	Water	2320B-2011	
680-261943-5	WAN-WGWC-22	Total/NA	Water	2320B-2011	
680-261943-6	WAN-WGWC-25	Total/NA	Water	2320B-2011	
680-261943-7	WAN-WGWC-27	Total/NA	Water	2320B-2011	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	2320B-2011	
680-261943-9	WAN-WAMW-1	Total/NA	Water	2320B-2011	
680-261943-10	WAN-WAMW-2	Total/NA	Water	2320B-2011	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	2320B-2011	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	2320B-2011	
MB 680-876307/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876307/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876307/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261943-9 DU	WAN-WAMW-1	Total/NA	Water	2320B-2011	

Analysis Batch: 876316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-3	WAN-WGWC-16	Total/NA	Water	2540C-2011	
680-261943-4	WAN-WGWC-20	Total/NA	Water	2540C-2011	
680-261943-5	WAN-WGWC-22	Total/NA	Water	2540C-2011	
680-261943-6	WAN-WGWC-25	Total/NA	Water	2540C-2011	
680-261943-7	WAN-WGWC-27	Total/NA	Water	2540C-2011	
680-261943-8	WAN-WGWC-28D	Total/NA	Water	2540C-2011	
680-261943-9	WAN-WAMW-1	Total/NA	Water	2540C-2011	
680-261943-10	WAN-WAMW-2	Total/NA	Water	2540C-2011	
680-261943-11	WAN-AP1-FD-02	Total/NA	Water	2540C-2011	
680-261943-12	WAN-AP1-FB-08	Total/NA	Water	2540C-2011	
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	2540C-2011	
MB 680-876316/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876316/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876316/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261943-4 DU	WAN-WGWC-20	Total/NA	Water	2540C-2011	

General Chemistry

Analysis Batch: 876411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-14	WAN-WGWC-10	Total/NA	Water	2540C-2011	
680-261943-15	WAN-WGWC-15	Total/NA	Water	2540C-2011	
680-261943-16	WAN-WGWC-19	Total/NA	Water	2540C-2011	
680-261943-17	WAN-WGWC-21	Total/NA	Water	2540C-2011	
680-261943-18	WAN-WGWC-23	Total/NA	Water	2540C-2011	
680-261943-19	WAN-WGWC-24	Total/NA	Water	2540C-2011	
680-261943-20	WAN-PZ-26D	Total/NA	Water	2540C-2011	
680-261943-21	WAN-PZ-31	Total/NA	Water	2540C-2011	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	2540C-2011	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	2540C-2011	
MB 680-876411/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876411/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876411/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261943-17 DU	WAN-WGWC-21	Total/NA	Water	2540C-2011	

Analysis Batch: 876416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	2540C-2011	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	2540C-2011	
MB 680-876416/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876416/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876416/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-261988-C-1 DU	Duplicate	Total/NA	Water	2540C-2011	

Analysis Batch: 876836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-13	WAN-AP1-EB-01	Total/NA	Water	2320B-2011	
680-261943-14	WAN-WGWC-10	Total/NA	Water	2320B-2011	
680-261943-15	WAN-WGWC-15	Total/NA	Water	2320B-2011	
680-261943-16	WAN-WGWC-19	Total/NA	Water	2320B-2011	
680-261943-17	WAN-WGWC-21	Total/NA	Water	2320B-2011	
680-261943-18	WAN-WGWC-23	Total/NA	Water	2320B-2011	
680-261943-20	WAN-PZ-26D	Total/NA	Water	2320B-2011	
680-261943-21	WAN-PZ-31	Total/NA	Water	2320B-2011	
MB 680-876836/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876836/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876836/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261941-C-10 DU	Duplicate	Total/NA	Water	2320B-2011	

Analysis Batch: 876837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-261943-19	WAN-WGWC-24	Total/NA	Water	2320B-2011	
680-261943-22	WAN-AP1-FD-03	Total/NA	Water	2320B-2011	
680-261943-23	WAN-AP1-FB-09	Total/NA	Water	2320B-2011	
680-261943-24	WAN-AP1-EB-02	Total/NA	Water	2320B-2011	
680-261943-25	WAN-AP1-EB-03	Total/NA	Water	2320B-2011	
MB 680-876837/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876837/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876837/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-261943-22 DU	WAN-AP1-FD-03	Total/NA	Water	2320B-2011	

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Client Sample ID: WAN-WGWC-13

Lab Sample ID: 680-261943-1

Date Collected: 02/12/25 10:41

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876596	02/21/25 14:48	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:10	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:33	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876505	02/20/25 12:56	MG	EET SAV
Total/NA	Analysis	7470A		1			876558	02/20/25 17:27	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:12	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-14A

Lab Sample ID: 680-261943-2

Date Collected: 02/12/25 12:55

Matrix: Water

Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	2 mL	2 mL	876596	02/21/25 14:57	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:22	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:06	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876505	02/20/25 12:56	MG	EET SAV
Total/NA	Analysis	7470A		1			876558	02/20/25 17:29	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:26	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876097	02/18/25 07:09	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-16
Lab Sample ID: 680-261943-3
Date Collected: 02/12/25 14:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	2 mL	2 mL	876596	02/21/25 15:05	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:26	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:09	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 14:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:10	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-20
Lab Sample ID: 680-261943-4
Date Collected: 02/12/25 13:59
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		25	2 mL	2 mL	876596	02/21/25 15:13	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:30	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		10			876418	02/19/25 09:41	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:11	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 14:58	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:26	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-22
Lab Sample ID: 680-261943-5
Date Collected: 02/12/25 13:52
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		2	2 mL	2 mL	876596	02/21/25 15:21	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:34	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:35	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:00	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:34	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-25
Lab Sample ID: 680-261943-6
Date Collected: 02/12/25 12:32
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	2 mL	2 mL	876596	02/21/25 15:29	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:45	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:24	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:03	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:19	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-27
Lab Sample ID: 680-261943-7
Date Collected: 02/12/25 11:32
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		2	2 mL	2 mL	876596	02/21/25 15:38	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:02	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:01	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 16:11	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:37	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-28D
Lab Sample ID: 680-261943-8
Date Collected: 02/12/25 10:22
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		100	5 mL	5 mL	876688	02/22/25 13:13	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:06	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		10			876418	02/19/25 09:38	BWR	EET SAV
	Instrument ID: ICPMSD									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:04	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:43	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	25 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	250 mL	250 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WAMW-1
Lab Sample ID: 680-261943-9

Date Collected: 02/12/25 13:51
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	5 mL	5 mL	876688	02/22/25 13:23	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 17:54	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:56	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876641	02/21/25 12:45	MG	EET SAV
Total/NA	Analysis	7470A		1			876741	02/23/25 15:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:55	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	310 mL	310 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WAMW-2
Lab Sample ID: 680-261943-10

Date Collected: 02/12/25 11:24
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 14:46	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 17:58	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 09:58	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:35	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 16:02	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-FD-02
Lab Sample ID: 680-261943-11
Date Collected: 02/12/25 00:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876688	02/22/25 12:44	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:24	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:17	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 15:52	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-FB-08
Lab Sample ID: 680-261943-12
Date Collected: 02/12/25 14:20
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:25	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:36	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:19	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876307	02/18/25 14:18	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-EB-01
Lab Sample ID: 680-261943-13
Date Collected: 02/12/25 10:15
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:35	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:41	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:22	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:12	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 21:50	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876316	02/19/25 11:12	AS	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	875975	02/17/25 11:43	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-10
Lab Sample ID: 680-261943-14
Date Collected: 02/13/25 10:25
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:44	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:20	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:14	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 21:58	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-15
Lab Sample ID: 680-261943-15

Date Collected: 02/13/25 11:40
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 15:54	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:16	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:12	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:07	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-19
Lab Sample ID: 680-261943-16

Date Collected: 02/13/25 09:45
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 16:04	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:12	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 14:09	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 12:07	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:23	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-21
Lab Sample ID: 680-261943-17
Date Collected: 02/13/25 12:08
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		10	5 mL	5 mL	876645	02/21/25 16:14	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 16:08	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875906	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876142	02/17/25 13:59	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876812	02/24/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:44	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:42	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-WGWC-23
Lab Sample ID: 680-261943-18
Date Collected: 02/13/25 16:35
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 16:24	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:27	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:45	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:33	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-WGWC-24
Lab Sample ID: 680-261943-19

Date Collected: 02/13/25 12:11
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		5	5 mL	5 mL	876688	02/22/25 13:32	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:50	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:29	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:08	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:24	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-PZ-26D
Lab Sample ID: 680-261943-20

Date Collected: 02/13/25 13:20
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		2	5 mL	5 mL	876645	02/21/25 17:32	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:54	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:32	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:52	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 22:49	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	280 mL	280 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-PZ-31
Lab Sample ID: 680-261943-21
Date Collected: 02/13/25 13:15
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 17:03	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:19	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:47	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876836	02/21/25 23:11	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-FD-03
Lab Sample ID: 680-261943-22
Date Collected: 02/13/25 00:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876688	02/22/25 13:42	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:22	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:50	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 00:57	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-FB-09
Lab Sample ID: 680-261943-23
Date Collected: 02/13/25 13:40
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 17:51	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 18:59	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:34	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 11:06	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:12	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876411	02/20/25 06:33	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: WAN-AP1-EB-02
Lab Sample ID: 680-261943-24
Date Collected: 02/13/25 11:05
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 18:01	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 19:11	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:37	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:54	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:29	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876416	02/20/25 07:49	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Client Sample ID: WAN-AP1-EB-03
Lab Sample ID: 680-261943-25
Date Collected: 02/13/25 13:00
Matrix: Water
Date Received: 02/15/25 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	876645	02/21/25 18:11	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876267	02/18/25 19:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	875904	02/17/25 06:11	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876418	02/19/25 10:40	BWR	EET SAV
	Instrument ID: ICPMSD									
Total/NA	Prep	7470A			50 mL	50 mL	876813	02/24/25 13:19	MG	EET SAV
Total/NA	Analysis	7470A		1			876960	02/25/25 10:38	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876837	02/22/25 01:18	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876416	02/20/25 07:49	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	4500 S2 F-2011		1	300 mL	300 mL	876205	02/18/25 12:44	JAS	EET SAV
	Instrument ID: NoEquip									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-261943-1
Project/Site: Plant Wansley - Ash Pond

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25

Method Summary

Client: Southern Company
Project/Site: Plant Wansley - Ash Pond

Job ID: 680-261943-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
4500 S2 F-2011	Sulfide, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Test America, Savannah
5102 LaRoche Ave
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Goble, ACC; D. Swanson, T. Mory	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 3
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-509-7116(Tel)	Lab Project #: 58027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			Task_Code: WAN-CCR-ASSMT-2025S1; Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO4 & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	
			Preservation Code:		X	X	D	I	D	D	I	B,C	D	X	
WAN-WGWC-13	02/12/25	1041	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-14A	02/12/25	1255	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-16	02/12/25	1400	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	22664
WAN-WGWC-20	02/12/25	1359	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-22	02/12/25	1352	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-25	02/12/25	1232	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-27	02/12/25	1132	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WGWC-28D	02/12/25	1022	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WAMW-1	02/12/25	1351	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-WA MW-2	02/12/25	1124	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN-AP1-FD-02	02/12/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8	

880-261943 Chain of Custody

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 02-14-25 1322	Company: ALL	Received by:		Date/Time: 2/14/25 13:22	Company: 8	
Relinquished by:	Date/Time: 2/14/25	Company:	Received by:		Date/Time: 2/15/25 1020	Company:	
Relinquished by:	Date/Time:	Company:	Received by:		Date/Time: 3/3.3 0.6/0.6	Company:	

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.6, 1.3, 1.5, 1.3, 1.2, 1.0, 1.6, 1.5 #2665

Ver: 01/16/2019

3/3/2025

Eurofins Test America, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Goble, ACC D. Johnson, J. May	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: Page 2 of 3
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027766			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			Task_Code: WAN-CCR-ASSMT-2025S1
Site:	SSOW#:			Special Instructions/Note: Full APP III and APP IV

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SM 2540C)	App IV Metals (EPA 6020/7470): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Hg,Mo,Se,Tl	Radium 226 & 228 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers
			Preservation Code:		X	X	D	I	D	D	I	B, C	D	X
WAN-AP1-FB-08	02/12/25	1420	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-AP1-EB-01	02/12/25	1015	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-WGWC-10	02/13/25	1025	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-WGWC-15	02/13/25	1140	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-WGWC-19	02/13/25	0945	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-~~SB~~WGWC-21	02/13/25	1208	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-WGWC-23	02/13/25	1635	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-WGWC-24	02/13/25	1211	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-PZ-26D	02/13/25	1320	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-PZ-31	02/13/25	1315	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8
WAN-AP1-FD-03	02/13/25	—	G	WG		N	✓	✓	✓	✓	✓	✓	✓	8

21264

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 02-14-25 1322	Company: ACC	Received by: ACN	Date/Time: 2/14/25 13:22	Company: G
Relinquished by:	Date/Time: 2/14/25	Company:	Received by:	Date/Time: 2/15/25 1020	Company:
Relinquished by:	Date/Time:	Company:	Received by: 4.1/4.1	Date/Time: ~~2.3/3.3 0~~	Company: 3.6/3.6

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.6, 1.3, 2.5, 1.3, 1.2, 1.0, 1.6, 1.5 #2665

Ver: 01/16/2019

Eurofins Tes[illegible]erica, Savannah
5102 LaRoche Ave.
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: ACC D. Johnson, J. May, T. Goble	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: david.fuller@et.eurofinsus.com		Page: 3 of 3
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Atlanta	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 680277666			
Email: SCS Contacts / Geosyntec Contacts	PO #: GPC82130-0004			
Project Name: Plant Wansley Ash Pond	Project #:			
Site:	SSOW#:			Task_Code: WAN-CCR-ASSMT-2025S1

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	App III Metals: B, Ca	Cl, F, SO & TDS (EPA 300 & SW 2540C)	App IV Metals (EPA 1020/6010): Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl	Hardness 200 & 235 (SW-846 9315/9320)	Major Ions - Carbonate, Bicarbonate, Total Alkalinity	Major Ions - Sulfide	Major Ions - Iron, Magnesium, Manganese, Potassium, Sodium	Total Number of containers	Special Instructions/Note: Full APP III and APP IV
			Preservation Code:				D	I	D	D	I	B, C	D		
WAN- API-FB-09	02/13/25	1340	G	WQ		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN- API-EB-02	02/13/25	1105	G	WQ		N	✓	✓	✓	✓	✓	✓	✓	8	
WAN- API-EB-03	02/13/25	1300	G	WQ		N	✓	✓	✓	✓	✓	✓	✓	8	212 GH
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									
WAN-			G			N									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 02-14-25 1322	Company: ACC	Received by:	Date/Time: 2/14/25 1324	Company: E
Relinquished by:	Date/Time: 2/14/25	Company:	Received by:	Date/Time: 2/15/25 1020	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 2.7/2.7	Company:

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4, 1.6, 1.3, 2.5, 1.3, 1.2, 1.0, 1.6, 1.5 IR 2665

Ver: 02/16/2021

3/3/2025

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794409 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-261943-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/3/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WGWC-13 (680-261943-1)	2/12/25	10:41 Eastern	G	Water			X	X	X	2	
WAN-WGWC-14A (680-261943-2)	2/12/25	12:55 Eastern	G	Water			X	X	X	2	
WAN-WGWC-16 (680-261943-3)	2/12/25	14:00 Eastern	G	Water			X	X	X	2	
WAN-WGWC-20 (680-261943-4)	2/12/25	13:59 Eastern	G	Water			X	X	X	2	
WAN-WGWC-22 (680-261943-5)	2/12/25	13:52 Eastern	G	Water			X	X	X	2	
WAN-WGWC-25 (680-261943-6)	2/12/25	12:32 Eastern	G	Water			X	X	X	2	
WAN-WGWC-27 (680-261943-7)	2/12/25	11:32 Eastern	G	Water			X	X	X	2	
WAN-WGWC-28D (680-261943-8)	2/12/25	10:22 Eastern	G	Water			X	X	X	2	
WAN-WAMW-1 (680-261943-9)	2/12/25	13:51 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: C. Munno	Date/Time: 2/17/25 0900	Company: Eurofins	Received by: M. Pinette	Date/Time: FEB 18 2025 1105	Company
Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794409.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 2 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-261943-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/3/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-
Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WAMW-2 (680-261943-10)	2/12/25	11:24 Eastern	G	Water			X	X	X	2	
WAN-AP1-FD-02 (680-261943-11)	2/12/25	Eastern	G	Water			X	X	X	2	
WAN-AP1-FB-08 (680-261943-12)	2/12/25	14:20 Eastern	G	Water			X	X	X	2	
WAN-AP1-EB-01 (680-261943-13)	2/12/25	10:15 Eastern	G	Water			X	X	X	2	
WAN-WGWC-10 (680-261943-14)	2/13/25	10:25 Eastern	G	Water			X	X	X	2	
WAN-WGWC-15 (680-261943-15)	2/13/25	11:40 Eastern	G	Water			X	X	X	2	
WAN-WGWC-19 (680-261943-16)	2/13/25	09:45 Eastern	G	Water			X	X	X	2	
WAN-WGWC-21 (680-261943-17)	2/13/25	12:08 Eastern	G	Water			X	X	X	2	
WAN-WGWC-23 (680-261943-18)	2/13/25	16:35 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	C. Munno	2/17/25 0900	Eurofins S	M. Pinette	FEB 18 2025 1105	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-794409.3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 3 of 3
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-261943-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/3/2025			
City: Earth City	TAT Requested (days): N/A			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Wansley - Ash Pond	Project #: 68027766			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra228/PrecSep_0 Radium 228	9315_Ra226/PrecSep_21 Radium 226	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
WAN-WGWC-24 (680-261943-19)	2/13/25	12:11 Eastern	G	Water			X	X	X	2	
WAN-PZ-26D (680-261943-20)	2/13/25	13:20 Eastern	G	Water			X	X	X	2	
WAN-PZ-31 (680-261943-21)	2/13/25	13:15 Eastern	G	Water			X	X	X	2	
WAN-AP1-FD-03 (680-261943-22)	2/13/25	Eastern	G	Water			X	X	X	2	
WAN-AP1-FB-09 (680-261943-23)	2/13/25	13:40 Eastern	G	Water			X	X	X	2	
WAN-AP1-EB-02 (680-261943-24)	2/13/25	11:05 Eastern	G	Water			X	X	X	2	
WAN-AP1-EB-03 (680-261943-25)	2/13/25	13:00 Eastern	G	Water			X	X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	C. Mmmo	2/17/25 0900	Eurofins	M. Pinette	FEB 18 2025 1105	
2	Relinquished by:	Date/Time:	Company	Received by: Meadow Pinette	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-261943-1

Login Number: 261943

List Source: Eurofins Savannah

List Number: 1

Creator: Faught, Timothy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

APPENDIX B
SiREM Laboratory Sorption and Desorption Treatability Study and Site Material Characterization Reports

Prepared for:
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Beryllium and Cobalt Adsorption and Desorption Testing, Plant Wansley Site, GA

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LIST OF ABBREVIATIONS

°C	degrees Celsius
Be	beryllium
CEC	cation exchange capacity
Co	cobalt
COC	Chain of Custody
DO	dissolved oxygen
EPA	Environmental Protection Agency
GM:GW	geologic material/groundwater
HDPE	high density polyethylene
L	liters
mL	milliliters
NA	natural attenuation
ORP	oxidation reduction potential
PES	polyethersulfone
SEP	sequential extraction procedure
µm	micron
WRA	whole rock analysis
XRD	x-ray diffraction

1. iNTRODUCTION

SiREM laboratory in Knoxville TN, performed a treatability study to assess the natural attenuation (NA) processes controlling the fate of dissolved beryllium (Be) and cobalt (Co) from a single location at a single depth interval at the Plant Wansley Site in GA (the Site). The samples provided, methodology used, and the findings of the treatability study are provided below.

2. MAterials AND Methods

2.1 Client Samples

Groundwater samples from the upgradient (WGWA-18) and down gradient (WGWC-24) area at the Site were received on December 13th, 2024. Upon receipt, the groundwater was placed in the fridge at 4 degrees Celsius (°C). Geologic material samples (SB-24 31'-33', SB-24 33'-35', SB-24 35'-37') were received on December 23rd, 2024. Upon receipt, geologic material was homogenized into one composite sample, hereafter identified as SB-24 as instructed by Geosyntec and stored at room temperature.

2.2 Baseline Measurements

Following homogenization of the geologic material, a representative sample was collected and submitted for total Be and Co analysis using Environmental Protection Agency (EPA) Method 6020B. In parallel, samples from both the up- and downgradient groundwater were filtered using a 0.45-micron (µm) polyethersulfone (PES) vacuum filter unit and submitted for analysis of dissolved and total Be and Co using EPA Method 6010B. Samples were shipped on ice under Chain of Custody (COC) to Eurofins TestAmerica in Barberton, OH.

In addition, the homogenized geologic material sample was submitted for sequential extraction procedure (SEP) to analyze trace metals in the various extracted fractions, cation exchange capacity (CEC), whole rock analysis (WRA), X-ray diffraction (XRD), and total metals analysis. Samples were shipped under COC to SGS Analytical Laboratory in Lakefield, ON, Canada.

2.3 Adsorption Test Approach & Methodology

2.3.1 Ratio Selection Test Reactor Construction, Sampling, and Analysis

Prior to reactor set up, 2.1 liters (L) of the down gradient groundwater WGWC-24 was spiked with Co and Be to double the baseline concentrations, as instructed by Geosyntec. As presented in Table 4, five geologic material/groundwater (GM:GW) ratios were set up in duplicate using 250 milliliter (mL) high density polyethylene (HDPE) bottles. Two duplicate control reactors were also constructed (Table 1). Reactors were incubated for a period of seven days on a shaker at room temperature. Control reactors were sampled at Day 0 and Day 7, and treatment reactors were sampled on Day 7. Sampling consisted of in-house measurements of pH and oxidation reduction potential (ORP) of each of the reactors using benchtop probes (Orion Start A214, Thermo Scientific, Rockwood, TN; Oakton pH 700 Meter, Oakton Instruments, Vernon Hills, IL). The

groundwater was subsequently filtered through a 0.45 µm PES filter and transferred into 250 mL nitric acid preserved HDPE bottles. Samples were shipped on ice under COC to Eurofins TestAmerica in Barberton, OH for analysis of dissolved Co and Be using EPA Method 6020B.

2.3.2 Adsorption Test Reactor Construction, Sampling, and Analysis

Based on the results from the Ratio Selection Test, a GM:GW ratio of 1:10 was selected to conduct adsorption testing at varying concentrations of Be and Co. Control and treatment reactors were constructed in duplicate as presented in Table 6. After construction, the reactors were incubated for a period of seven days on a shaker at room temperature. Control reactors were sampled at Day 0 and Day 7, and treatment reactors were sampled on Day 7. Sampling consisted of in-house measurements of pH and ORP of reactors using benchtop probes (Orion Start A214, Thermo Scientific, Rockwood, TN; Oakton pH 700 Meter, Oakton Instruments, Vernon Hills, IL). Reactors were then filtered through a 0.45-µm PES filter and transferred into 250 mL nitric acid preserved HDPE bottles. Samples were shipped on ice under COC to Eurofins TestAmerica in Barberton, OH for analysis of dissolved Co and Be using EPA Method 6020B.

Upon receipt of analytical data from the testing described above (Adsorption Test 1), it was decided, in consultation with Geosyntec, to repeat the adsorption testing using downgradient groundwater adjusted to a pH of 5.0 using 1M HCl (Adsorption Test 2). During the 7-day incubation, the pH was monitored every 2-3 days and readjusted to 5.0 when it drifted. Table 8 outlines reactor construction for Adsorption Test 2. Due to the limited volume of groundwater WGWC-24, reactors were constructed in singlet. At the same time interval, dissolved oxygen (DO) was also monitored and adjusted to >8 mg/L to encourage aerobic conditions by sparging the groundwater with ambient air using an aquarium pump fitted with tubing and an air stone. Reactors were incubated for a period of seven days on a shaker at room temperature. Control reactors were sampled at Day 0 and Day 7, and treatment reactors were sampled on Day 7. Sampling consisted of in-house measurements of pH and ORP of reactors using benchtop probes (Orion Start A214, Thermo Scientific, Rockwood, TN; Oakton pH 700 Meter, Oakton Instruments, Vernon Hills, IL). Reactors were then filtered through a 0.45-µm PES filter and transferred into 250 mL nitric acid preserved HDPE bottles. Samples were shipped on ice under COC to Eurofins TestAmerica in Barberton, OH for analysis of dissolved Co and Be using EPA Method 6020B.

2.4 Desorption Test Approach & Methodology

Immediately following adsorption test 2 day 7 sampling, the upgradient groundwater wgwa-18 was added to the reactor bottles to assess the potential for desorption of the co and be from the geologic material they have sorbed too. Reactors were incubated for a period of seven days on a shaker at room temperature and the pH and do monitored every 2-3 days. Adjustments were made, when necessary, as described in section 2.3.2, to maintain pH 5.0 and aerobic conditions. Control reactors were sampled at day 0 and day 7, and treatment reactors were sampled on day 7. Sampling consisted of in-house measurements of pH and orp of reactors using benchtop probes (Orion start a214, Thermo scientific, Rockwood, TN; Oakton pH 700 meter, Oakton instruments, Vernon hills, IL). Reactors were then filtered through a 0.45-µm pes filter and transferred into 250 mL nitric acid preserved HDPE bottles. Samples were shipped on ice under

COC to Eurofins TestAmerica in Barberton, OH for analysis of dissolved co and be using EPA method 6020B. Upon receiving analytical data from the previous desorption test, it was decided, in consultation with Geosyntec, to repeat the desorption testing using fresh sediment and upgradient groundwater. Two reactors were adjusted to pH 5.0 using 1M HCl, and two reactors were unadjusted. No control reactors were constructed. On day 0, the pH of two treatment reactors were adjusted and recorded. On day 7, pH and ORP measurements of all treatment reactors were recorded using benchtop probes. Reactors were then filtered through a 0.45-µm pes filter and transferred into 250 mL nitric acid preserved HDPE bottles. Samples were shipped on ice under COC to Eurofins TestAmerica in Barberton, OH for analysis of dissolved co and be using EPA method 6020b.

3. Results

3.1 Baseline

Baseline analysis of geologic material and groundwater are presented in Table 1, Table 2, and Table 3a – 3d.

3.2 Adsorption Testing

Ratio Selection Test data is presented in Table 5a – 5b. Adsorption Test 1 data is presented in Tables 7a – 7c. Adsorption Test 2 data is presented in Table 9.

3.3 Desorption Testing

Desorption Test 1 data is presented in Table 10. Desorption Test 2 data is presented in Table 11.

Table 1: Summary of Baseline Geologic Material Results

Geologic Sample ID	Date	Total Be	Total Co	Percent Moisture
		mg/kg	mg/kg	%
SB-24 31"-37	31-Dec-24	0.56	1.4 B	4.7

Notes:
B – Compound was found in blank and sample
% - percent
mg/kg – milligrams per kilogram

Table 2: Summary of Baseline Groundwater Results

Groundwater Sample ID	Date	Dissolved Be	Dissolved Co
		ug/L	ug/L
WGWA-18	1/3/25	< 0.27	0.25 J
WGWC-24	1/3/25	3.4	22

Notes:
J – Result is less than the reading limit but greater than or equal to the minimum detection limit and the concentration is an approximate value.
< – lower than detection limit
ug/L – micrograms per liter

Table 3a: Summary of Baseline Soil Results – Trace Metals

Analysis - Trace Metals 4 Acid Digest	Results (µg/g)
Aluminum	68000
Antimony	< 0.8
Arsenic	0.6
Barium	1300
Beryllium	1.6
Bismuth	< 0.09
Cadmium	0.03
Calcium	6500
Chromium	20.0
Cobalt	1.7
Copper	3.7
Iron	11000
Lead	26
Lithium	12
Magnesium	1500
Manganese	88
Molybdenum	1.3
Nickel	2.2
Potassium	33000
Selenium	< 0.1
Silver	< 0.5
Strontium	290
Thallium	0.58
Tin	< 6
Titanium	1600
Uranium	1.35
Vanadium	13.0
Yttrium	4.50
Zinc	60

Notes:
< – lower than detection limit
ug/g – micrograms per gram

Table 3b: Summary of Baseline Soil Results – Whole Rock Analysis

Analysis - Whole Rock Analysis (WRA)	Results (%)
SiO2	72.90
Al2O3	14.40
Fe2O3	1.88
MgO	0.29
CaO	1.02
Na2O	3.31
K2O	4.37
TiO2	0.34
P2O5	0.07
Mn3O4	0.01
Cr2O3	< 0.01
V2O5	< 0.01
LOI	1.47
Sum	100.10

Notes:
< – lower than detection limit
% - percent

Table 3c: Summary of Baseline Soil Results – X-Ray Diffraction Rietveld

Analysis - X-Ray Diffraction Rietveld (XRD)	Results (%)
Quartz	37.6
Albite	31.8
Microcline	21
Muscovite	8.3
Epidote	0.4
Diopside	0.9
TOTAL	100

Notes:
% - percent

Table 3d: Summary of Baseline Soil Results – SEP Leach Fractions

Analysis - SEP ()	Results (µg/g)
Fraction 1	
Beryllium	< 0.02
Cobalt	0.02
Fraction 2	
Beryllium	< 0.02
Cobalt	0.01
Fraction 3	
Beryllium	0.1
Cobalt	0.37
Fraction 4	
Beryllium	0.3
Cobalt	0.25
Fraction 5	
Beryllium	0.04
Cobalt	0.02

Notes:
< - lower than detection limit
µg/g – micrograms per gram

Table 4. Summary of Ratio Selection Reactors

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Number of Reactors	Reactors Contents			
				Goundwater	Wet Geologic Material	Beryllium	Cobalt
				(mL)	(g)	(ug/L)	(ug/L)
WGWC-24	--	Control Groundwater Only	2(2*)	150	--	7	40
	SB-24 31"-37	Soil:Water Ratio 2:1	2	150	300	7	40
		Soil:Water Ratio 1:1	2	150	150	7	40
		Soil:Water Ratio 1:5	2	150	30	7	40
		Soil:Water Ratio 1:10	2	150	15	7	40
		Soil:Water Ratio 1:20	2	150	7.5	7	40

Notes:
* - Represents the reactors that were sampled on Day 0
-- - not applicable
g- grams
mL – milliliters
ug/L – micrograms per liter

Table 5a. Ratio Selection Test Results – Dissolved Be and Co

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Sample Day	Date	Internal Sample ID	Dissolved Be	Dissolved Co
						ug/L	ug/L
WGWC-24	--	Control Groundwater Only	0	24-Jan-25	WC24 Control 1	7.3	40
					WC24 Control 2	7.5	39
			7	31-Jan-25	WC24 Control 1	7.4	40
					WC24 Control 2	7.5	40
	SB-24 31"-37	Soil:Water Ratio 2:1	7	31-Jan-25	SB24 [2:1] - 1	0.27	0.17
					SB24 [2:1] - 2	0.27	0.10
		Soil:Water Ratio 1:1	7	31-Jan-25	SB24 [1:1] - 1	<0.27	<0.086
					SB24 [1:1] - 2	<0.27	<0.086
		Soil:Water Ratio 1:5	7	31-Jan-25	SB24 [1:5] - 1	<0.27	0.4
					SB24 [1:5] - 2	<0.27	0.36
		Soil:Water Ratio 1:10	7	31-Jan-25	SB24 [1:10] - 1	<0.27	1.1
					SB24 [1:10] - 2	<0.27	1.0
		Soil:Water Ratio 1:20	7	31-Jan-25	SB24 [1:20] - 1	<0.27	3.5
					SB24 [1:20] - 2	<0.27	3.7

Notes:
% - percent
< - non-detect
ug/L – micrograms per liter

Table 5b: Ratio Selection Test Results - pH and ORP

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Sample Day	Date	Internal Sample ID	pH	ORP
							mV
WGWC-24	--	Control Groundwater Only	0	24-Jan-25	WC24 Control 1	5.19	314.7
					WC24 Control 2	5.18	320.5
			7	31-Jan-25	WC24 Control 1	5.48	275.2
					WC24 Control 2	5.67	267.1
	SB-24 31"-37	Soil:Water Ratio 2:1	7	31-Jan-25	SB24 [2:1] - 1	7.4	237.1
					SB24 [2:1] - 2	7.37	240.0
		Soil:Water Ratio 1:1	7	31-Jan-25	SB24 [1:1] - 1	7.22	231.2
					SB24 [1:1] - 2	7.3	234.8
		Soil:Water Ratio 1:5	7	31-Jan-25	SB24 [1:5] - 1	6.94	332.6
					SB24 [1:5] - 2	6.92	245.5
		Soil:Water Ratio 1:10	7	31-Jan-25	SB24 [1:10] - 1	6.73	337.8
					SB24 [1:10] - 2	6.73	343.5
		Soil:Water Ratio 1:20	7	31-Jan-25	SB24 [1:20] - 1	6.55	344.5
					SB24 [1:20] - 2	6.53	350.9

Notes:
mV – millivolts
ORP – oxidant reduction potential

Table 6. Summary of Adsorption Control Reactors

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Number of Reactors	Reactors Contents			
				Goundwater	Wet Geologic Material	Beryllium	Cobalt
				(mL)	(g)	(ug/L)	(ug/L)
WGWC-24	--	Control Groundwater Only	2(2*)	150	--	7	--
						20	--
						30	--
						50	--
						80	--
	--	Control Groundwater Only	2(2*)	150	--	--	40
						--	80
						--	120
						--	240
						--	480
WGWC-24	SB-24 31"-37	1:10	2	150	15	7	--
						20	--
						30	--
						50	--
						80	--
WGWC-24	SB-24 31"-37	1:10	2	150	15	--	40
						--	80
						--	120
						--	240
						--	480

Notes:
* - Represents the reactors that were sampled on Day 0
-- - not applicable
g- grams
mL – milliliters
ug/L – micrograms per liter

Table 7a: Adsorption [1:10 S/L Ratio] Control Results – Day 0

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Sample Day	Date	Internal Sample ID	pH	ORP	Dissolved Be	Dissolved Co
						s.u.	mV	ug/L	ug/L
WGWC-24	--	Control Groundwater Only	0	7-Mar-25	WC24 Be 7 Control 1	5.38	217.6	7.3	27
					WC24 Be 7 Control 2	5.39	219.1	7.5	27
					WC24 Be 20 Control 1	5.39	229.7	18.0	27
					WC24 Be 20 Control 2	5.39	230.3	19.0	27
					WC24 Be 30 Control 1	5.34	237.6	27.00	27.00
					WC24 Be 30 Control 2	5.34	237.5	28.00	27.00
					WC24 Be 50 Control 1	5.31	243.0	46.00	27
					WC24 Be 50 Control 2	5.3	242.1	46.00	27
					WC24 Be 80 Control 1	5.17	228.8	74.00	27.0
					WC24 Be 80 Control 2	5.22	238.7	73.00	27.00
					WC24 Co 40 Control 1	5.33	238.1	4.2	45.0
					WC24 Co 40 Control 2	5.33	238.3	4.3	47.0
					WC24 Co 80 Control 1	5.32	243.1	4.00	83.0
					WC24 Co 80 Control 2	5.33	243.8	4.20	85.0
					WC24 Co 120 Control 1	5.33	250.2	3.9	120
					WC24 Co 120 Control 2	5.34	261.4	4.2	120
					WC24 Co 240 Control 1	5.33	242.7	3.9	240
					WC24 Co 240 Control 2	5.34	245.2	3.9	240
					WC24 Co 480 Control 1	5.36	245.6	4.1	470
					WC24 Co 480 Control 2	5.36	247.8	4.1	470

Notes:
-- – not applicable
mV – millivolts
ORP – oxidation reduction potential
s.u. – standard units
ug/L – micrograms per liter

Table 7b: Adsorption [1:10 S/L Ratio] Control Results – Day 7

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Sample Day	Date	Internal Sample ID	pH	ORP	Dissolved Be	Dissolved Co
							mV	ug/L	ug/L
WGWC-24	--	Control Groundwater Only	7	17-Mar-25	WC24 Be 7 Control 1	6.15	248.3	6.0	24
					WC24 Be 7 Control 2	5.84	256.5	6.6	25
					WC24 Be 20 Control 1	5.79	259.0	18.0	27
					WC24 Be 20 Control 2	5.74	260.9	18.0	27
					WC24 Be 30 Control 1	5.67	264.4	26.00	26.00
					WC24 Be 30 Control 2	5.63	264.1	27.00	27.00
					WC24 Be 50 Control 1	5.56	268.1	46.00	27
					WC24 Be 50 Control 2	5.52	267.5	44.00	27
					WC24 Be 80 Control 1	5.48	267.7	73.00	28.0
					WC24 Be 80 Control 2	5.45	268.2	72.00	27.00
					WC24 Co 40 Control 1	5.85	258.4	3.8	46.0
					WC24 Co 40 Control 2	5.6	258.1	4.1	45.0
					WC24 Co 80 Control 1	5.6	261.3	4.20	87.0
					WC24 Co 80 Control 2	5.6	261.3	4.20	86.0
					WC24 Co 120 Control 1	5.61	259.8	3.7	130
					WC24 Co 120 Control 2	5.59	261.7	3.9	120
					WC24 Co 240 Control 1	5.64	256.1	4.0	250
					WC24 Co 240 Control 2	5.62	258.9	3.8	250
					WC24 Co 480 Control 1	5.6	258.5	3.7	480
					WC24 Co 480 Control 2	5.58	262.7	3.8	490

Notes:
-- – not applicable
mV – millivolts
ORP – oxidation reduction potential
µg/L – micrograms per liter

Table 7c: Adsorption [1:10 S/L Ratio] Treatment Results – Day 7

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Sample Day	Date	Internal Sample ID	pH	ORP	Dissolved Be	Dissolved Co
						s.u.	mV	ug/L	ug/L
WGWC-24	SB-24 31"-37	1:10	7	17-Mar-25	SB24 Be 7-1	6.84	210.4	< 0.27	0.27 J
					SB24 Be 7-2	6.92	209.7	< 0.27	0.27 J
					SB24 Be 20-1	6.74	214.0	< 0.27	0.26 J
					SB24 Be 20-2	6.77	213.2	< 0.27	0.26 J
					SB24 Be 30-1	6.83	212.7	< 0.27	0.25 J
					SB24 Be 30-2	6.79	212.5	< 0.27	0.28 J
					SB24 Be 50-1	6.83	200.8	< 0.27	0.30 J
					SB24 Be 50-2	6.83	202.9	< 0.27	0.32 J
					SB24 Be 80-1	6.61	231.0	< 0.27	0.34 J
					SB24 Be 80-2	6.66	218.5	< 0.27	0.29 J
					SB24 Co 40-1	6.91	207.4	< 0.27	0.42 J
					SB24 Co 40-2	6.93	206.8	< 0.27	0.42 J
					SB24 Co 80-1	6.89	207.9	< 0.27	1.2
					SB24 Co 80-2	6.92	203.8	< 0.27	1.1
					SB24 Co 120-1	6.87	205.7	< 0.27	1.6
					SB24 Co 120-2	6.91	205.1	< 0.27	1.7
					SB24 Co 240-1	6.92	206.1	< 0.27	4.0
					SB24 Co 240-2	6.96	203.4	< 0.27	4.1
					SB24 Co 480-1	6.96	216.1	< 0.27	12
					SB24 Co 480-2	6.97	215.6	< 0.27	11

Notes:
< - less than detection limit
J – Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
mV – millivolts
ORP – oxidation reduction potential
s.u. – standard units
ug/L – micrograms per liter

Table 8. Summary of Adsorption Test 2 Reactors

Groundwater Sample ID	Geologic Material Sample ID	Treatment	Number of Reactors	Reactors Contents			
				Groundwater	Wet Geologic Material	Beryllium	Cobalt
				(mL)	(g)	(ug/L)	(ug/L)
WGWC-24	--	Control Groundwater Only	1(1*)	150	--	7	40
						20	80
						30	120
						50	240
						80	480
WGWC-24	SB-24 31"-37	1:10	2	150	15	7	40
						20	80
						30	120
						50	240
						80	480
						750	--
						1000	--

Notes:
* - Represents the reactors that were sampled on Day 0
-- - not applicable
g- grams
mL – milliliters
ug/L – micrograms per liter

Table 9: Adsorption Test 2 Results – Day 0 and Day 7

Reactor Contents/Reactor					Internal Bottle ID	Day 0				Day 7			
Groundwater (mL)		Geologic Material (g)		pH adjusted		pH	ORP	Dissolved Be (ug/L)	Dissolved Co (ug/L)	pH	ORP	Dissolved Be (ug/L)	Dissolved Co (ug/L)
WGWC - 24	200	--	--	Y	WC24 7/40 Ctrl 1	5.12	265.3	6.9	44	5.24	355.3	7.1	43
		--	--	Y	WC24 7/40 Ctrl 2	5.12	265.3	6.3	41	5.22	308.8	6.6	42
	150	SB-24 31"-37	15	Y	SB24 7/40 1	--	--	--	--	5.47	201.1	< 0.27	4.1
				Y	SB24 7/40 2	--	--	--	--	5.49	206.3	< 0.27	5.6
WGWC - 24	200	--	--	Y	WC24 20/80 Ctrl	5.07	255.2	17	75	5.22	305.2	16	74
	150	SB-24 31"-37	15	Y	SB24 20/80 1	--	--	--	--	5.11	271.3	0.7 J	8.5
				Y	SB24 20/80 2	--	--	--	--	5.05	267.0	0.76 J	9.7
WGWC - 24	200	--	--	Y	WC24 30/120 Ctrl	5.08	248.9	27	120	5.23	292.5	25	120
	150	SB-24 31"-37	15	Y	SB24 30/120 1	--	--	--	--	5.09	264.7	1.2	18
				Y	SB24 30/120 2	--	--	--	--	4.98	277.0	1.2	14
WGWC - 24	200	--	--	Y	WC24 50/240 Ctrl	5.08	246.2	47	250	4.89	386.8	40	220
	150	SB-24 31"-37	15	Y	SB24 50/240 1	--	--	--	--	4.98	269.9	2.6	37
				Y	SB24 50/240 2	--	--	--	--	5.05	268.1	2.4	33
WGWC - 24	200	--	--	Y	WC24 80/480 Ctrl	5.07	245.6	71	480	4.78	265.6	64	460
	150	SB-24 31"-37	15	Y	SB24 80/480 1	--	--	--	--	5.15	234.8	2.9	65
				Y	SB24 80/480 2	--	--	--	--	5.20	233.0	2.5	54
WGWC - 24	150	SB-24 31"-37	15	Y	SB24 750/0 1	--	--	--	--	5.20	245.3	34	2.2
				N	SB24 750/0 1	--	--	--	--	6.25	253.4	52	1.9
WGWC - 24	150	SB-24 31"-37	15	Y	SB24 1000/0 1	--	--	--	--	5.08	261.0	67	2.7
				N	SB24 1000/0 1	--	--	--	--	6.19	226.0	12	0.94 J

Notes:
-- – not applicable
< - lower than detection limit
J – result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
mL – milliliters
g – grams
µg/L – micrograms per liter

Table 10: Desorption Test Results – Day 0 and Day 7

Reactor Contents/Reactor					Internal Bottle ID	Day 0					Day 7				
Groundwater (mL)		Geologic Material (g)		pH adjusted		pH	ORP	DO (mg/L)	Dissolved Be (ug/L)	Dissolved Co (ug/L)	pH	ORP	DO (mg/L)	Dissolved Be (ug/L)	Dissolved Co (ug/L)
WGWA - 18	200	--	--	Y	WA18 Ctrl 1	5.12	280.6	9.2	< 0.27	0.24 J	5.26	348.3	9.4	< 0.27	0.31 J
				Y	WA18 Ctrl 2	4.80	382.6	9.1	< 0.27	0.25 J	5.45	368.7	9.3	< 0.27	0.32 J
WGWA - 18	150	SB-24 31"-37	15	Y	SB24 7/40 1	5.32	--	8.5	--	--	5.60	234.9	9.1	0.40 J	3.8
				Y	SB24 7/40 2	5.06	--	8.3	--	--	5.50	234.3	8.7	0.43 J	4.3
WGWA - 18	150	SB-24 31"-37	15	Y	SB24 20/80 1	5.04	--	8.4	--	--	5.61	234.3	8.8	0.57 J	5.5
				Y	SB24 20/80 2	5.14	--	8.4	--	--	5.69	235.0	8.5	0.61 J	6.2
WGWA - 18	150	SB-24 31"-37	15	Y	SB24 30/120 1	5.11	--	8.2	--	--	6.19	127.5	8.6	0.81 J	10
				Y	SB24 30/120 2	5.18	--	8.1	--	--	6.16	157.0	8.6	0.94 J	10
WGWA - 18	150	SB-24 31"-37	15	Y	SB24 50/240 1	5.11	--	8.1	--	--	6.07	192.7	8.7	1.3	17
				Y	SB24 50/240 2	5.10	--	8.2	--	--	5.96	209.0	8.5	1.4	19
WGWA - 18	150	SB-24 31"-37	15	Y	SB24 80/480 1	5.14	--	8.3	--	--	5.90	214.9	8.5	2.2	47
				Y	SB24 80/480 2	5.03	--	7.9	--	--	5.84	220.4	8.6	2.2	48
WGWA - 18	150	SB-24 31"-37	15	Y	SB24 750/0 1-5	5.01	--	8.1	--	--	5.89	257.1	8.8	37	3.7
				N	SB24 750/0 2	6.47	--	7.9	--	--	6.54	239.4	8.6	2.7	0.28 J
WGWA - 18	150	SB-24 31"-37	15	Y	SB24 1000/0 1-5	4.87	--	7.6	--	--	5.88	268.4	8.7	47	2.9
				N	SB24 1000/0 2	6.52	--	7.4	--	--	6.54	208.7	8.6	4.7	0.27 J

Notes:
-- – not applicable
< - lower than detection limit
J – result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
mL – milliliters
g – grams
µg/L – micrograms per liter

Table 11: Desorption Test 2 Results – Day 0 and Day 7

Reactor Contents/Reactor					Internal Bottle ID	Day 0				Day 7			
Groundwater (mL)		Geologic Material (g)		pH adjusted		pH	ORP	Dissolved Be (ug/L)	Dissolved Co (ug/L)	pH	ORP	Dissolved Be (ug/L)	Dissolved Co (ug/L)
WGWA - 18	150	SB-24 31"-37	15	Y	pH_5 1	4.83	--	--	--	5.25	153.4	< 0.27	1.3
				Y	pH_5 2	4.90	--	--	--	5.31	157.3	< 0.27	0.82
				N	Normal 1	--	--	--	--	6.75	130.2	< 0.27	< 0.086
				N	Normal 2	--	--	--	--	6.89	129.6	< 0.27	< 0.086

Notes:
-- – not applicable
< - lower than detection limit
J – result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
mL – milliliters
g – grams
µg/L – micrograms per liter

APPENDIX A: External Lab Data Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Jacques Smith
Sirem, div of Geosyntec Consultants
180A Market Place Blvd
Knoxville, Tennessee 37922

Generated 1/6/2025 9:33:22 PM

JOB DESCRIPTION

Plant Wansley

JOB NUMBER

240-217237-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Roxanne Cisneros, Senior Project Manager
roxanne.cisneros@et.eurofinsus.com
(330)497-9396

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Definitions/Glossary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-217237-1 — Eurofins Cleveland

Job Narrative
240-217237-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/31/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
Moisture	Percent Moisture	EPA	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3050B	Preparation, Metals	SW846	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-217237-1	SB-24 31'-37'	Solid	12/30/24 13:45	12/31/24 09:30
240-217237-2	WGWA-18	Water	12/30/24 12:45	12/31/24 09:30
240-217237-3	WGWC-24	Water	12/30/24 12:45	12/31/24 09:30

Detection Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Client Sample ID: SB-24 31'-37'
Lab Sample ID: 240-217237-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.56		0.18	0.026	mg/Kg	2	☼	6020B	Total/NA
Cobalt	1.4	B	0.18	0.017	mg/Kg	2	☼	6020B	Total/NA

Client Sample ID: WGWA-18
Lab Sample ID: 240-217237-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.25	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WGWC-24
Lab Sample ID: 240-217237-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.4		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	22		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Client Sample ID: SB-24 31'-37'
Lab Sample ID: 240-217237-1
Date Collected: 12/30/24 13:45
Matrix: Solid
Date Received: 12/31/24 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	95.3		0.1	0.1	%			12/31/24 14:38	1
Percent Moisture (EPA Moisture)	4.7		0.1	0.1	%			12/31/24 14:38	1

Client Sample Results

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Client Sample ID: SB-24 31'-37'
Lab Sample ID: 240-217237-1
Date Collected: 12/30/24 13:45
Matrix: Solid
Date Received: 12/31/24 09:30
Percent Solids: 95.3

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.56		0.18	0.026	mg/Kg	☼	01/02/25 09:30	01/03/25 16:30	2
Cobalt	1.4	B	0.18	0.017	mg/Kg	☼	01/02/25 09:30	01/03/25 16:30	2

Client Sample Results

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Client Sample ID: WGWA-18
Lab Sample ID: 240-217237-2
Date Collected: 12/30/24 12:45
Matrix: Water
Date Received: 12/31/24 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		01/02/25 14:00	01/03/25 14:04	1
Cobalt	**0.25**	**J**	1.0	0.086	ug/L		01/02/25 14:00	01/03/25 14:04	1

Client Sample Results

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Client Sample ID: WGWC-24
Lab Sample ID: 240-217237-3
Date Collected: 12/30/24 12:45
Matrix: Water
Date Received: 12/31/24 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.4		1.0	0.27	ug/L		01/02/25 14:00	01/03/25 14:07	1
Cobalt	22		1.0	0.086	ug/L		01/02/25 14:00	01/03/25 14:07	1

Client: Sirem, div of Geosyntec Consultants
Project/Site: Plant Wansley

Job ID: 240-217237-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-640468/1-A ^2
Matrix: Solid
Analysis Batch: 640662

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 640468

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.029	U	0.20	0.029	mg/Kg		01/02/25 09:30	01/03/25 15:15	2
Cobalt	0.0244	J	0.20	0.019	mg/Kg		01/02/25 09:30	01/03/25 15:15	2

Lab Sample ID: LCS 240-640468/2-A ^2
Matrix: Solid
Analysis Batch: 640662

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 640468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	46.3		mg/Kg		93	80 - 120
Cobalt	50.0	45.8		mg/Kg		92	80 - 120

Lab Sample ID: MB 240-640487/1-A
Matrix: Water
Analysis Batch: 640662

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 640487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		01/02/25 14:00	01/03/25 13:23	1
Cobalt	0.086	U	1.0	0.086	ug/L		01/02/25 14:00	01/03/25 13:23	1

Lab Sample ID: LCS 240-640487/2-A
Matrix: Water
Analysis Batch: 640662

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 640487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	481		ug/L		96	80 - 120
Cobalt	500	506		ug/L		101	80 - 120

QC Association Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Metals

Prep Batch: 640468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-217237-1	SB-24 31'-37'	Total/NA	Solid	3050B	
MB 240-640468/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 240-640468/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 640487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-217237-2	WGWA-18	Dissolved	Water	3005A	
240-217237-3	WGWC-24	Dissolved	Water	3005A	
MB 240-640487/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-640487/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 640662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-217237-1	SB-24 31'-37'	Total/NA	Solid	6020B	640468
240-217237-2	WGWA-18	Dissolved	Water	6020B	640487
240-217237-3	WGWC-24	Dissolved	Water	6020B	640487
MB 240-640468/1-A ^2	Method Blank	Total/NA	Solid	6020B	640468
MB 240-640487/1-A	Method Blank	Total Recoverable	Water	6020B	640487
LCS 240-640468/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	640468
LCS 240-640487/2-A	Lab Control Sample	Total Recoverable	Water	6020B	640487

General Chemistry

Analysis Batch: 640442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-217237-1	SB-24 31'-37'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Sirem, div of Geosyntec Consultants
Project/Site: Plant Wansley

Job ID: 240-217237-1

Client Sample ID: SB-24 31'-37'
Lab Sample ID: 240-217237-1

Date Collected: 12/30/24 13:45
Matrix: Solid
Date Received: 12/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	640442	SC3B	EET CLE	12/31/24 14:38

Client Sample ID: SB-24 31'-37'
Lab Sample ID: 240-217237-1

Date Collected: 12/30/24 13:45
Matrix: Solid
Date Received: 12/31/24 09:30
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			640468	BN	EET CLE	01/02/25 09:30
Total/NA	Analysis	6020B		2	640662	AJC	EET CLE	01/03/25 16:30

Client Sample ID: WGWA-18
Lab Sample ID: 240-217237-2

Date Collected: 12/30/24 12:45
Matrix: Water
Date Received: 12/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			640487	MN7X	EET CLE	01/02/25 14:00
Dissolved	Analysis	6020B		1	640662	AJC	EET CLE	01/03/25 14:04

Client Sample ID: WGWC-24
Lab Sample ID: 240-217237-3

Date Collected: 12/30/24 12:45
Matrix: Water
Date Received: 12/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			640487	MN7X	EET CLE	01/02/25 14:00
Dissolved	Analysis	6020B		1	640662	AJC	EET CLE	01/03/25 14:07

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-217237-1
Project/Site: Plant Wansley

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

27/28

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Client Information	Sampler: JS	Lab PM: Cisneros, Roxanne	Carrier Tracking No(s):	COC No: 240-127142-44259.1
Client Contact: Sydne Spinella	Phone: 865 291 4695	E-Mail: roxanne.cisneros@et.eurofinsus.com	State of Origin:	Page: Page 1 of 4
Company: Sirem, div of Geosyntec Consultants	PWSID:	Analysis Requested		Job #:
Address: 180A Market Place Blvd	Due Date Requested:			Preservation Codes: N - None D - HNO3
City: Knoxville	TAT Requested (days): STANDARD			
State, Zip: TN, 37922	Compliance Project: Δ Yes Δ No			
Phone: 865-330-0037(Tel)	PO #: 2.01.8151			
Email: Sydne.Spinella@Siremlab.com	WO #:			
Project Name: Water \ Soil Testing	Project #: 24028249			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B - Be & Co	6020B - Dissolved Be & Co (FF)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
SB-24 31'-37'	12-30-24	1345	G	Solid	Y	N	X		1	
WGWA-18	12-30-24	1245	G	~~Solid~~ Water	Y	N	-	X	1	
WGWC-24	12-30-24	1245	G	Water	Y	N	-	X	1	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

240-217237 COC

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jacques Smith	12-30-24 1430	SIREM	Ron Sica	12/31/24 0930	ET
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Sirem Site Name
Cooler Received on 12/31/24 Opened on 12/31/24 Cooler unpacked by
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Receipt After-hours Drop-off Date/Time Storage Location
Eurofins Cooler # EC Foam Box Client Cooler Box Other
Packing material used: Bubble Wrap Foam Plastic Bag None Other
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 17 (CF +0.1 °C) Observed Cooler Temp. 2.7 °C Corrected Cooler Temp. 2.8 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes No	
-Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No	
-Were tamper/custody seals intact and uncompromised?	Yes No NA	
3. Shippers' packing slip attached to the cooler(s)?	Yes No	
4. Did custody papers accompany the sample(s)?	Yes No	
5 Were the custody papers relinquished & signed in the appropriate place?	Yes No	
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No	
7 Did all bottles arrive in good condition (Unbroken)?	Yes No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	Yes No	
10 Were correct bottle(s) used for the test(s) indicated?	Yes No	
11 Sufficient quantity received to perform indicated analyses?	Yes No	
12. Are these work share samples and all listed on the COC?	Yes No	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA	pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes No	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No NA	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes No	
17 Was a LL Hg or Me Hg trip blank present?	Yes No	

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen.

12/31/2024

Login Container Summary Report

240-217237

1/6/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
SB-24 31'-37'	240-217237-A-1	SnapCap 1/2 ounce unpreserved				
SB-24 31'-37'	240-217237-B-1	Soil jar 4oz - clear glass				
SB-24 31'-37'	240-217237-C-1	Soil jar 4oz - clear glass				
WGWA-18	240-217237-A-2	Plastic 250ml - w/nitric - dis	<2			
WGWC-24	240-217237-A-3	Plastic 250ml - w/nitric - dis	<2			

ORIGIN ID:RKWA (865) 291-4718
SIREM KNOXVILLE
GEOSYNTEC CONSULTANTS
180B MARKET PLACE BLVD.

KNOXVILLE, TN 37922
UNITED STATES US

SHIP DATE: 30DEC24
ACTWGT: 12.00 LB
CAD: 102511439/INET4535

BILL SENDER

TO ROXANNE CISNEROS
EUROFINS TESTING NORTH CENTRAL
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(615) 289-1910 REF: SIREMLAB
INV: 01
PO: 02 DEPT: 8151

58CJ5/49B9/C6C4

FedEx Express

TUE - 31 DEC 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7711 0996 4534

44203

NX CAKA

OH-US CLE

240-21723-Wav

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Jacques Smith
Sirem, div of Geosyntec Consultants
180A Market Place Blvd
Knoxville, Tennessee 37922

Generated 2/6/2025 9:30:38 PM

JOB DESCRIPTION

Plant Wansley

JOB NUMBER

240-218408-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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2/6/2025 9:30:38 PM

Authorized for release by
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(330)497-9396

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Definitions/Glossary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-218408-1 — Eurofins Cleveland

Job Narrative
240-218408-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 2/3/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.4°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-218408-1	SB24 [2:1] - 1	Water	01/31/25 12:00	02/03/25 10:30
240-218408-2	SB24 [2:1] - 2	Water	01/31/25 12:00	02/03/25 10:30
240-218408-3	SB24 [1:1] - 1	Water	01/31/25 12:00	02/03/25 10:30
240-218408-4	SB24 [1:1] - 2	Water	01/31/25 12:00	02/03/25 10:30
240-218408-5	SB24 [1:5] - 1	Water	01/31/25 12:00	02/03/25 10:30
240-218408-6	SB24 [1:5] - 2	Water	01/31/25 12:00	02/03/25 10:30
240-218408-7	SB24 [1:10] - 1	Water	01/31/25 12:00	02/03/25 10:30
240-218408-8	SB24 [1:10] - 2	Water	01/31/25 12:00	02/03/25 10:30
240-218408-9	SB24 [1:20] - 1	Water	01/31/25 12:00	02/03/25 10:30
240-218408-10	SB24 [1:20] - 2	Water	01/31/25 12:00	02/03/25 10:30
240-218408-11	WC24 CONTROL 1 T7	Water	01/31/25 12:00	02/03/25 10:30
240-218408-12	WC24 CONTROL 2 T7	Water	01/31/25 12:00	02/03/25 10:30
240-218408-13	WC24 CONTROL T0 1	Water	01/24/25 15:00	02/03/25 10:30
240-218408-14	WC24 CONTROL T0 2	Water	01/24/25 15:00	02/03/25 10:30

Detection Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [2:1] - 1 — Lab Sample ID: 240-218408-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.27	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	0.17	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 [2:1] - 2 — Lab Sample ID: 240-218408-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.10	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 [1:1] - 1 — Lab Sample ID: 240-218408-3

No Detections.

Client Sample ID: SB24 [1:1] - 2 — Lab Sample ID: 240-218408-4

No Detections.

Client Sample ID: SB24 [1:5] - 1 — Lab Sample ID: 240-218408-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.35	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 [1:5] - 2 — Lab Sample ID: 240-218408-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.36	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 [1:10] - 1 — Lab Sample ID: 240-218408-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.1		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 [1:10] - 2 — Lab Sample ID: 240-218408-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.0		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 [1:20] - 1 — Lab Sample ID: 240-218408-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.5		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 [1:20] - 2 — Lab Sample ID: 240-218408-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.7		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CONTROL 1 T7 — Lab Sample ID: 240-218408-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	7.4		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	40		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CONTROL 2 T7 — Lab Sample ID: 240-218408-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	7.5		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	40		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Detection Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CONTROL T0 1
Lab Sample ID: 240-218408-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	7.3		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	40		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CONTROL T0 2
Lab Sample ID: 240-218408-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	7.5		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	39		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [2:1] - 1
Lab Sample ID: 240-218408-1
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	J	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 15:47	1
Cobalt	0.17	J	1.0	0.086	ug/L		02/04/25 14:00	02/05/25 15:47	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [2:1] - 2
Lab Sample ID: 240-218408-2
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 15:50	1
Cobalt	**0.10**	**J**	1.0	0.086	ug/L		02/04/25 14:00	02/05/25 15:50	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:1] - 1
Lab Sample ID: 240-218408-3
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 15:53	1
Cobalt	0.086	U	1.0	0.086	ug/L		02/04/25 14:00	02/05/25 15:53	1

Client Sample Results

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:1] - 2
Lab Sample ID: 240-218408-4
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 15:56	1
Cobalt	0.086	U	1.0	0.086	ug/L		02/04/25 14:00	02/05/25 15:56	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:5] - 1
Lab Sample ID: 240-218408-5
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 15:59	1
Cobalt	**0.35**	**J**	1.0	0.086	ug/L		02/04/25 14:00	02/05/25 15:59	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:5] - 2
Lab Sample ID: 240-218408-6
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:01	1
Cobalt	**0.36**	**J**	1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:01	1

Client Sample Results

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:10] - 1
Lab Sample ID: 240-218408-7
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:10	1
Cobalt	**1.1**		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:10	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:10] - 2
Lab Sample ID: 240-218408-8
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:13	1
Cobalt	**1.0**		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:13	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:20] - 1
Lab Sample ID: 240-218408-9
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:15	1
Cobalt	**3.5**		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:15	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:20] - 2
Lab Sample ID: 240-218408-10
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:18	1
Cobalt	**3.7**		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:18	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CONTROL 1 T7
Lab Sample ID: 240-218408-11
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	7.4		1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:21	1
Cobalt	40		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:21	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CONTROL 2 T7
Lab Sample ID: 240-218408-12
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	7.5		1.0	0.27	ug/L		02/04/25 14:00	02/05/25 15:28	1
Cobalt	40		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 15:28	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CONTROL T0 1
Lab Sample ID: 240-218408-13
Date Collected: 01/24/25 15:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	7.3		1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:24	1
Cobalt	40		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:24	1

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CONTROL T0 2
Lab Sample ID: 240-218408-14
Date Collected: 01/24/25 15:00
Matrix: Water
Date Received: 02/03/25 10:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	7.5		1.0	0.27	ug/L		02/04/25 14:00	02/05/25 16:27	1
Cobalt	39		1.0	0.086	ug/L		02/04/25 14:00	02/05/25 16:27	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-643529/1-A
Matrix: Water
Analysis Batch: 643743

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 643529

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		02/04/25 14:00	02/05/25 15:23	1
Cobalt	0.086	U	1.0	0.086	ug/L		02/04/25 14:00	02/05/25 15:23	1

Lab Sample ID: LCS 240-643529/2-A
Matrix: Water
Analysis Batch: 643743

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 643529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	492		ug/L		98	80 - 120
Cobalt	500	483		ug/L		97	80 - 120

Lab Sample ID: 240-218408-12 MS
Matrix: Water
Analysis Batch: 643743

Client Sample ID: WC24 CONTROL 2 T7
Prep Type: Dissolved
Prep Batch: 643529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	7.5		500	509		ug/L		100	80 - 120
Cobalt	40		500	539		ug/L		100	80 - 120

Lab Sample ID: 240-218408-12 MSD
Matrix: Water
Analysis Batch: 643743

Client Sample ID: WC24 CONTROL 2 T7
Prep Type: Dissolved
Prep Batch: 643529

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	7.5		500	517		ug/L		102	80 - 120	2	20
Cobalt	40		500	539		ug/L		100	80 - 120	0	20

Metals

Prep Batch: 643529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218408-1	SB24 [2:1] - 1	Dissolved	Water	3005A	
240-218408-2	SB24 [2:1] - 2	Dissolved	Water	3005A	
240-218408-3	SB24 [1:1] - 1	Dissolved	Water	3005A	
240-218408-4	SB24 [1:1] - 2	Dissolved	Water	3005A	
240-218408-5	SB24 [1:5] - 1	Dissolved	Water	3005A	
240-218408-6	SB24 [1:5] - 2	Dissolved	Water	3005A	
240-218408-7	SB24 [1:10] - 1	Dissolved	Water	3005A	
240-218408-8	SB24 [1:10] - 2	Dissolved	Water	3005A	
240-218408-9	SB24 [1:20] - 1	Dissolved	Water	3005A	
240-218408-10	SB24 [1:20] - 2	Dissolved	Water	3005A	
240-218408-11	WC24 CONTROL 1 T7	Dissolved	Water	3005A	
240-218408-12	WC24 CONTROL 2 T7	Dissolved	Water	3005A	
240-218408-13	WC24 CONTROL T0 1	Dissolved	Water	3005A	
240-218408-14	WC24 CONTROL T0 2	Dissolved	Water	3005A	
MB 240-643529/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-643529/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-218408-12 MS	WC24 CONTROL 2 T7	Dissolved	Water	3005A	
240-218408-12 MSD	WC24 CONTROL 2 T7	Dissolved	Water	3005A	

Analysis Batch: 643743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218408-1	SB24 [2:1] - 1	Dissolved	Water	6020B	643529
240-218408-2	SB24 [2:1] - 2	Dissolved	Water	6020B	643529
240-218408-3	SB24 [1:1] - 1	Dissolved	Water	6020B	643529
240-218408-4	SB24 [1:1] - 2	Dissolved	Water	6020B	643529
240-218408-5	SB24 [1:5] - 1	Dissolved	Water	6020B	643529
240-218408-6	SB24 [1:5] - 2	Dissolved	Water	6020B	643529
240-218408-7	SB24 [1:10] - 1	Dissolved	Water	6020B	643529
240-218408-8	SB24 [1:10] - 2	Dissolved	Water	6020B	643529
240-218408-9	SB24 [1:20] - 1	Dissolved	Water	6020B	643529
240-218408-10	SB24 [1:20] - 2	Dissolved	Water	6020B	643529
240-218408-11	WC24 CONTROL 1 T7	Dissolved	Water	6020B	643529
240-218408-12	WC24 CONTROL 2 T7	Dissolved	Water	6020B	643529
240-218408-13	WC24 CONTROL T0 1	Dissolved	Water	6020B	643529
240-218408-14	WC24 CONTROL T0 2	Dissolved	Water	6020B	643529
MB 240-643529/1-A	Method Blank	Total Recoverable	Water	6020B	643529
LCS 240-643529/2-A	Lab Control Sample	Total Recoverable	Water	6020B	643529
240-218408-12 MS	WC24 CONTROL 2 T7	Dissolved	Water	6020B	643529
240-218408-12 MSD	WC24 CONTROL 2 T7	Dissolved	Water	6020B	643529

Lab Chronicle

Client: Sirem, div of Geosyntec Consultants
Project/Site: Plant Wansley

Job ID: 240-218408-1

Client Sample ID: SB24 [2:1] - 1
Lab Sample ID: 240-218408-1
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 15:47

Client Sample ID: SB24 [2:1] - 2
Lab Sample ID: 240-218408-2
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 15:50

Client Sample ID: SB24 [1:1] - 1
Lab Sample ID: 240-218408-3
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 15:53

Client Sample ID: SB24 [1:1] - 2
Lab Sample ID: 240-218408-4
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 15:56

Client Sample ID: SB24 [1:5] - 1
Lab Sample ID: 240-218408-5
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 15:59

Client Sample ID: SB24 [1:5] - 2
Lab Sample ID: 240-218408-6
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:01

Lab Chronicle

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: SB24 [1:10] - 1
Lab Sample ID: 240-218408-7
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:10

Client Sample ID: SB24 [1:10] - 2
Lab Sample ID: 240-218408-8
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:13

Client Sample ID: SB24 [1:20] - 1
Lab Sample ID: 240-218408-9
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:15

Client Sample ID: SB24 [1:20] - 2
Lab Sample ID: 240-218408-10
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:18

Client Sample ID: WC24 CONTROL 1 T7
Lab Sample ID: 240-218408-11
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:21

Client Sample ID: WC24 CONTROL 2 T7
Lab Sample ID: 240-218408-12
Date Collected: 01/31/25 12:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 15:28

Lab Chronicle

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CONTROL T0 1
Lab Sample ID: 240-218408-13
Date Collected: 01/24/25 15:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:24

Client Sample ID: WC24 CONTROL T0 2
Lab Sample ID: 240-218408-14
Date Collected: 01/24/25 15:00
Matrix: Water
Date Received: 02/03/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			643529	MN7X	EET CLE	02/04/25 14:00
Dissolved	Analysis	6020B		1	643743	RKT	EET CLE	02/05/25 16:27

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Sirem, div of Geosyntec Consultants
Job ID: 240-218408-1
Project/Site: Plant Wansley

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Jacques Smith**	**Site Contact:** / **Date:** / **COC No:** 1 of 2 COCs
SiREM	**Email: jsmith@siremlab.com**	**Lab Contact:** / **Carrier:** / **TALS Project #:**
180B Market Place Blvd	**Tel/Fax: 865-236-2696**	**Sampler: HB**
Knoxville, TN 37922	**Analysis Turnaround Time**	**For Lab Use Only:**
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS	Walk-in Client:
(xxx) xxx-xxxx FAX	TAT if different from Below _____	Lab Sampling:
Project Name: Plant Wansley	☐ 2 weeks	
Site:	☐ 1 week	Job / SDG No.:
P O #	☐ 2 days	
	☐ 1 day	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	6020B Dissolved - Co, Be	Sample Specific Notes:
SB24 [2:1] - 1	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [2:1] - 2	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:1] - 1	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:1] - 2	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:5] - 1	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:5] - 2	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:10] - 1	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:10] - 2	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:20] - 1	1/31/25	1200	G	W	1	Y	Y	X	
SB24 [1:20] - 2	1/31/25	1200	G	W	1	Y	Y	X	
WC24 Control 1 T7	1/31/25	1206	G	W	1	Y	Y	X	
WC24 Control 2 T7	1/31/25	1200	G	W	1	Y	Y	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	

240-218408 COC

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: SiREM	Date/Time: 1-31-25 1200	Received by:	Company:	Date/Time: 2-3-25 10:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:	COC No:
SiREM	Email: jsmith@siremlab.com	Lab Contact:	Carrier:	2 of 2 COCs
180B Market Place Blvd	Tel/Fax: 865-236-2696			TALS Project #:
Knoxville, TN 37922	Analysis Turnaround Time			Sampler: HB
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Plant Wansley	☐ 2 weeks			Lab Sampling:
Site:	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020B Dissolved - Co, Be	Sample Specific Notes:
WC24 Control TB 1	1/24/25	1500	G	W	1	Y	Y	X	
WC24 Control TB 2	1/24/25	1500	G	W	1	Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
						Y	Y	X	
								4	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by: Ian Barton	Company: SiREM	Date/Time: 1-31-25 1200	Received by: C. Koon	Company: Eur	Date/Time: 2-3-25 1030
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Sucm Site Name _____ Cooler unpacked by: [signature]

Cooler Received on 2.3.25 Opened on 2.3.25

FedEx. 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # Ice Foam Box Client Cooler ~~Box~~ Other _____

Packing material used. Bubble Wrap Foam ~~Plastic Bag~~ None Other _____

COOLANT Wet Ice Blue Ice Dry Ice ~~Water~~ None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 13 (CF 0 °C) Observed Cooler Temp. 0.4 °C Corrected Cooler Temp. 0.4 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity ____	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-*Were tamper/custody seals intact and uncompromised?*	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

2/3/2025

Login Container Summary Report

240-218408

2/6/2025

Temperature readings. _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
SB24 [2 1] - 1	240-218408-A-1	Plastic 250ml - with Nitric Acid	<2			
SB24 [2 1] - 2	240-218408-A-2	Plastic 250ml - with Nitric Acid	<2			
SB24 [1 1] - 1	240-218408-A-3	Plastic 250ml - with Nitric Acid	<2			
SB24 [1 1] - 2	240-218408-A-4	Plastic 250ml - with Nitric Acid	<2			
SB24 [1 5] - 1	240-218408-A-5	Plastic 250ml - with Nitric Acid	<2			
SB24 [1 5] - 2	240-218408-A-6	Plastic 250ml - with Nitric Acid	<2			
SB24 [1 10] - 1	240-218408-A-7	Plastic 250ml - with Nitric Acid	<2			
SB24 [1 10] - 2	240-218408-A-8	Plastic 250ml - with Nitric Acid	<2			
SB24 [1:20] - 1	240-218408-A-9	Plastic 250ml - with Nitric Acid	<2			
SB24 [1:20] - 2	240-218408-A-10	Plastic 250ml - with Nitric Acid	<2			
WC24 CONTROL 1 T7	240-218408-A-11	Plastic 250ml - with Nitric Acid	<2			
WC24 CONTROL 2 T7	240-218408-A-12	Plastic 250ml - with Nitric Acid	<2			
WC24 CONTROL T0 1	240-218408-A-13	Plastic 250ml - with Nitric Acid	<2			
WC24 CONTROL T0 2	240-218408-A-14	Plastic 250ml - with Nitric Acid	<2			

ORIGIN ID:RKWA (865) 291-4718
SIREM KNOXVILLE
GEOSYNTEC CONSULTANTS
180B MARKET PLACE BLVD
KNOXVILLE, TN 37922
UNITED STATES US

SHIP DATE: 31JAN25
ACTWGT: 25.00 LB
CAD: 102598124/INET4535

BILL SENDER

TO EUROFINS ENV TESTING N CENTRAL
EUROFINS ENV TESTING N CENTRAL
180 SOUTH VAN BUREN AVE
BARBERTON OH 44203
(330) 497-9396 REF: SIREMLABUS
INV: 01
PO: 02 DEPT: 8151

586J3EC17C8C4

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MON - 03 FEB 10:30A
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TM CAKA

44203
CLE OH-US

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line.
2 Place label in shipping pouch and affix it to your shipment.

240-218408 Wayb

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Jacques Smith
SiREM, div of Geosyntec Consultants
180A Market Place Blvd
Knoxville, Tennessee 37922

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JOB DESCRIPTION

Plant Wansley

JOB NUMBER

240-220574-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-220574-1 — Eurofins Cleveland

Job Narrative
240-220574-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/18/2025 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.7°C and 4.2°C.

Metals
Method 6020B - Dissolved: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-648812.

Method 6020B - Dissolved: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-648815.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-220574-1	WC24 BE 7 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-2	WC24 BE 7 CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-3	WC24 BE 20 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-4	WC24 BE 20 CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-5	WC24 BE 30 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-6	WC24 BE 30CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-7	WC24 BE 50 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-8	WC24 BE 50 CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-9	WC24 BE 80 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-10	WC24 BE 80 CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-11	WC24 CO 40 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-12	WC24 CO 40CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-13	WC24 CO 80 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-14	WC24 CO 80CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-15	WC24 CO 120 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-16	WC24 CO 120 CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-17	WC24 CO 240 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-18	WC24 CO 240 CTRL 2 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-19	WC24 CO 480 CTRL 1 T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-20	WC24 CO 480 CTRL 2T0	Water	03/07/25 16:00	03/18/25 09:45
240-220574-21	WC24 BE 7 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-22	WC24 BE 7 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-23	WC24 BE 20 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-24	WC24 BE 20 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-25	WC24 BE 30 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-26	WC24 BE 30 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-27	WC24 BE 50 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-28	WC24 BE 50 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-29	WC24 BE 80 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-30	WC24 BE 80 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-31	WC24 CO 40 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-32	WC24 CO 40 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-33	WC24 CO 80 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-34	WC24 CO 80 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-35	WC24 CO 120 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-36	WC24 CO 120 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-37	WC24 CO 240 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-38	WC24 CO 240 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-39	WC24 CO 480 CTRL 1 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-40	WC24 CO 480 CTRL 2 T7	Water	03/17/25 12:00	03/18/25 09:45
240-220574-41	SB24 BE 7-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-42	SB24 BE 7-2	Water	03/17/25 12:00	03/18/25 09:45
240-220574-43	SB24 BE 20-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-44	SB24 BE 20-2	Water	03/17/25 12:00	03/18/25 09:45
240-220574-45	SB24 BE 30-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-46	SB24 BE 30-2	Water	03/17/25 12:00	03/18/25 09:45
240-220574-47	SB24 BE 50-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-48	SB24 BE 50-2	Water	03/17/25 12:00	03/18/25 09:45
240-220574-49	SB24 BE 80-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-50	SB24 BE 80-2	Water	03/17/25 12:00	03/18/25 09:45
240-220574-51	SB24 CO 40-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-52	SB24 CO 40-2	Water	03/17/25 12:00	03/18/25 09:45
240-220574-53	SB24 CO 80-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-54	SB24 CO 80-2	Water	03/17/25 12:00	03/18/25 09:45

Sample Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-220574-55	SB24 CO 120-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-56	SB24 CO 120-2	Water	03/17/25 12:00	03/18/25 09:45
240-220574-57	SB24 CO 240-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-58	SB24 CO 240-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-59	SB24 CO 480-1	Water	03/17/25 12:00	03/18/25 09:45
240-220574-60	SB24 CO 480-2	Water	03/17/25 12:00	03/18/25 09:45

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 7 CTRL 1 T0 — Lab Sample ID: 240-220574-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	7.3		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 7 CTRL 2 T0 — Lab Sample ID: 240-220574-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	7.5		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 20 CTRL 1 T0 — Lab Sample ID: 240-220574-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	18		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 20 CTRL 2 T0 — Lab Sample ID: 240-220574-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	19		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 30 CTRL 1 T0 — Lab Sample ID: 240-220574-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	27		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 30CTRL 2 T0 — Lab Sample ID: 240-220574-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	28		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 50 CTRL 1 T0 — Lab Sample ID: 240-220574-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	46		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 50 CTRL 2 T0 — Lab Sample ID: 240-220574-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	46		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 80 CTRL 1 T0 — Lab Sample ID: 240-220574-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	74		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 80 CTRL 2 T0 — Lab Sample ID: 240-220574-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	73		1.0	0.27	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

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Client Sample ID: WC24 BE 80 CTRL 2 T0 (Continued) — Lab Sample ID: 240-220574-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 40 CTRL 1 T0 — Lab Sample ID: 240-220574-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	45		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 40CTRL 2 T0 — Lab Sample ID: 240-220574-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.3		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	47		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 80 CTRL 1 T0 — Lab Sample ID: 240-220574-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.0		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	83		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 80CTRL 2 T0 — Lab Sample ID: 240-220574-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	85		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 120 CTRL 1 T0 — Lab Sample ID: 240-220574-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.9		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	120		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 120 CTRL 2 T0 — Lab Sample ID: 240-220574-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	120		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 240 CTRL 1 T0 — Lab Sample ID: 240-220574-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.9		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	240		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 240 CTRL 2 T0 — Lab Sample ID: 240-220574-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.9		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	240		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 480 CTRL 1 T0 — Lab Sample ID: 240-220574-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.1		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	470		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 480 CTRL 2T0 — Lab Sample ID: 240-220574-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.1		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	470		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 7 CTRL 1 T7 — Lab Sample ID: 240-220574-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	6.0		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	24		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 7 CTRL 2 T7 — Lab Sample ID: 240-220574-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	6.6		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	25		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 20 CTRL 1 T7 — Lab Sample ID: 240-220574-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	18		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 20 CTRL 2 T7 — Lab Sample ID: 240-220574-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	18		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 30 CTRL 1 T7 — Lab Sample ID: 240-220574-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	26		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	26		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 30 CTRL 2 T7 — Lab Sample ID: 240-220574-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	27		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 50 CTRL 1 T7 — Lab Sample ID: 240-220574-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	46		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 50 CTRL 2 T7 — Lab Sample ID: 240-220574-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	44		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 80 CTRL 1 T7 — Lab Sample ID: 240-220574-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	73		1.0	0.27	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: WC24 BE 80 CTRL 1 T7 (Continued) — Lab Sample ID: 240-220574-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	28		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 BE 80 CTRL 2 T7 — Lab Sample ID: 240-220574-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	86		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 40 CTRL 1 T7 — Lab Sample ID: 240-220574-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.8		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	46		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 40 CTRL 2 T7 — Lab Sample ID: 240-220574-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.1		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	45		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 80 CTRL 1 T7 — Lab Sample ID: 240-220574-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	87		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 80 CTRL 2 T7 — Lab Sample ID: 240-220574-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	72		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	27		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 120 CTRL 1 T7 — Lab Sample ID: 240-220574-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.7		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	130		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 120 CTRL 2 T7 — Lab Sample ID: 240-220574-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.9		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	120		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 240 CTRL 1 T7 — Lab Sample ID: 240-220574-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.0		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	250		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 240 CTRL 2 T7 — Lab Sample ID: 240-220574-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.8		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	250		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 480 CTRL 1 T7 — Lab Sample ID: 240-220574-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.7		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	480		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 CO 480 CTRL 2 T7 — Lab Sample ID: 240-220574-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	3.8		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	490		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 7-1 — Lab Sample ID: 240-220574-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.27	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 7-2 — Lab Sample ID: 240-220574-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.27	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 20-1 — Lab Sample ID: 240-220574-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.26	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 20-2 — Lab Sample ID: 240-220574-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.26	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 30-1 — Lab Sample ID: 240-220574-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.25	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 30-2 — Lab Sample ID: 240-220574-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.28	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 50-1 — Lab Sample ID: 240-220574-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.30	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 50-2 — Lab Sample ID: 240-220574-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.32	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 BE 80-1 — Lab Sample ID: 240-220574-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.34	J	1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 80-2 — Lab Sample ID: 240-220574-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.29	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 40-1 — Lab Sample ID: 240-220574-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.42	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 40-2 — Lab Sample ID: 240-220574-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.42	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 80-1 — Lab Sample ID: 240-220574-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.2		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 80-2 — Lab Sample ID: 240-220574-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.1		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 120-1 — Lab Sample ID: 240-220574-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.6		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 120-2 — Lab Sample ID: 240-220574-56

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.7		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 240-1 — Lab Sample ID: 240-220574-57

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.0		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 240-1 — Lab Sample ID: 240-220574-58

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.1		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 480-1 — Lab Sample ID: 240-220574-59

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	12		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 CO 480-2 — Lab Sample ID: 240-220574-60

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	11		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 7 CTRL 1 T0
Lab Sample ID: 240-220574-1
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	7.3		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:08	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:08	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 7 CTRL 2 T0
Lab Sample ID: 240-220574-2
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	7.5		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:11	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:11	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 20 CTRL 1 T0
Lab Sample ID: 240-220574-3
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	18		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:14	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:14	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 20 CTRL 2 T0
Lab Sample ID: 240-220574-4
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	19		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:17	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:17	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 30 CTRL 1 T0
Lab Sample ID: 240-220574-5
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	27		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:20	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:20	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 30CTRL 2 T0
Lab Sample ID: 240-220574-6
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	28		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 18:49	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 18:49	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 50 CTRL 1 T0
Lab Sample ID: 240-220574-7
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	46		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:23	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:23	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 50 CTRL 2 T0
Lab Sample ID: 240-220574-8
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	46		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:31	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:31	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 80 CTRL 1 T0
Lab Sample ID: 240-220574-9
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	74		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:34	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:34	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 80 CTRL 2 T0
Lab Sample ID: 240-220574-10
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	73		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:37	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:37	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 40 CTRL 1 T0
Lab Sample ID: 240-220574-11
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.2		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:40	1
Cobalt	45		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:40	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 40CTRL 2 T0
Lab Sample ID: 240-220574-12
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.3		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:43	1
Cobalt	47		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:43	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 80 CTRL 1 T0
Lab Sample ID: 240-220574-13
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.0		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:46	1
Cobalt	83		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:46	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 80CTRL 2 T0
Lab Sample ID: 240-220574-14
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.2		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:48	1
Cobalt	85		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:48	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 120 CTRL 1 T0
Lab Sample ID: 240-220574-15
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.9		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:51	1
Cobalt	120		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:51	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 120 CTRL 2 T0
Lab Sample ID: 240-220574-16
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.2		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:54	1
Cobalt	120		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:54	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 240 CTRL 1 T0
Lab Sample ID: 240-220574-17
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.9		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 19:57	1
Cobalt	240		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 19:57	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 240 CTRL 2 T0
Lab Sample ID: 240-220574-18
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.9		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:06	1
Cobalt	240		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:06	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 480 CTRL 1 T0
Lab Sample ID: 240-220574-19
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.1		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:08	1
Cobalt	470		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:08	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 480 CTRL 2T0
Lab Sample ID: 240-220574-20
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.1		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:11	1
Cobalt	470		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:11	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 7 CTRL 1 T7
Lab Sample ID: 240-220574-21
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	6.0		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:20	1
Cobalt	24		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:20	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 7 CTRL 2 T7
Lab Sample ID: 240-220574-22
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	6.6		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:26	1
Cobalt	25		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:26	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 20 CTRL 1 T7
Lab Sample ID: 240-220574-23
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	18		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:29	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:29	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 20 CTRL 2 T7
Lab Sample ID: 240-220574-24
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	18		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:31	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:31	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 30 CTRL 1 T7
Lab Sample ID: 240-220574-25
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	26		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:40	1
Cobalt	26		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:40	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 30 CTRL 2 T7
Lab Sample ID: 240-220574-26
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	27		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:43	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:43	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 50 CTRL 1 T7
Lab Sample ID: 240-220574-27
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	46		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:46	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:46	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 50 CTRL 2 T7
Lab Sample ID: 240-220574-28
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	44		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:49	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:49	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 80 CTRL 1 T7
Lab Sample ID: 240-220574-29
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	73		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:51	1
Cobalt	28		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:51	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 80 CTRL 2 T7
Lab Sample ID: 240-220574-30
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.2		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:54	1
Cobalt	86		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:54	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 40 CTRL 1 T7
Lab Sample ID: 240-220574-31
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.8		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:57	1
Cobalt	46		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:57	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 40 CTRL 2 T7
Lab Sample ID: 240-220574-32
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.1		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:00	1
Cobalt	45		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:00	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 80 CTRL 1 T7
Lab Sample ID: 240-220574-33
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.2		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:03	1
Cobalt	87		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:03	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 80 CTRL 2 T7
Lab Sample ID: 240-220574-34
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	72		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:06	1
Cobalt	27		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:06	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 120 CTRL 1 T7
Lab Sample ID: 240-220574-35
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.7		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:14	1
Cobalt	130		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:14	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 120 CTRL 2 T7
Lab Sample ID: 240-220574-36
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.9		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:17	1
Cobalt	120		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:17	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 240 CTRL 1 T7
Lab Sample ID: 240-220574-37
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.0		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:20	1
Cobalt	250		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:20	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 240 CTRL 2 T7
Lab Sample ID: 240-220574-38
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.8		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:23	1
Cobalt	250		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:23	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 480 CTRL 1 T7
Lab Sample ID: 240-220574-39
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.7		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:26	1
Cobalt	480		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:26	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 480 CTRL 2 T7
Lab Sample ID: 240-220574-40
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.8		1.0	0.27	ug/L		03/19/25 14:00	03/20/25 21:29	1
Cobalt	490		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 21:29	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 7-1
Lab Sample ID: 240-220574-41
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:06	1
Cobalt	**0.27**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:06	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 7-2
Lab Sample ID: 240-220574-42
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:11	1
Cobalt	**0.27**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:11	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 20-1
Lab Sample ID: 240-220574-43
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:14	1
Cobalt	**0.26**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:14	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 20-2
Lab Sample ID: 240-220574-44
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:17	1
Cobalt	**0.26**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:17	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 30-1
Lab Sample ID: 240-220574-45
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:20	1
Cobalt	**0.25**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:20	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 30-2
Lab Sample ID: 240-220574-46
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:23	1
Cobalt	**0.28**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:23	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 50-1
Lab Sample ID: 240-220574-47
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:26	1
Cobalt	**0.30**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:26	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 50-2
Lab Sample ID: 240-220574-48
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:29	1
Cobalt	**0.32**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:29	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 80-1
Lab Sample ID: 240-220574-49
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:32	1
Cobalt	**0.34**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:32	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 80-2
Lab Sample ID: 240-220574-50
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:40	1
Cobalt	**0.29**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:40	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 40-1
Lab Sample ID: 240-220574-51
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:43	1
Cobalt	**0.42**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:43	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 40-2
Lab Sample ID: 240-220574-52
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:46	1
Cobalt	**0.42**	**J**	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:46	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 80-1
Lab Sample ID: 240-220574-53
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:49	1
Cobalt	**1.2**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:49	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 80-2
Lab Sample ID: 240-220574-54
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:52	1
Cobalt	**1.1**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:52	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 120-1
Lab Sample ID: 240-220574-55
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:54	1
Cobalt	**1.6**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:54	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 120-2
Lab Sample ID: 240-220574-56
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 16:57	1
Cobalt	**1.7**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 16:57	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 240-1
Lab Sample ID: 240-220574-57
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 17:00	1
Cobalt	**4.0**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 17:00	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 240-1
Lab Sample ID: 240-220574-58
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 17:03	1
Cobalt	**4.1**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 17:03	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 480-1
Lab Sample ID: 240-220574-59
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 17:06	1
Cobalt	**12**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 17:06	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 CO 480-2
Lab Sample ID: 240-220574-60
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 17:14	1
Cobalt	**11**		1.0	0.086	ug/L		03/19/25 14:00	03/20/25 17:14	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-648812/1-A
Matrix: Water
Analysis Batch: 649013

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 648812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 15:54	1
Cobalt	0.086	U	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 15:54	1

Lab Sample ID: LCS 240-648812/2-A
Matrix: Water
Analysis Batch: 649013

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 648812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	447		ug/L		89	80 - 120
Cobalt	500	439		ug/L		88	80 - 120

Lab Sample ID: MB 240-648815/1-A
Matrix: Water
Analysis Batch: 649013

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 648815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 20:14	1
Cobalt	0.086	U	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 20:14	1

Lab Sample ID: LCS 240-648815/2-A
Matrix: Water
Analysis Batch: 649013

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 648815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	464		ug/L		93	80 - 120
Cobalt	500	468		ug/L		94	80 - 120

Lab Sample ID: MB 240-648817/1-A
Matrix: Water
Analysis Batch: 649013

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 648817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		03/19/25 14:00	03/20/25 18:43	1
Cobalt	0.086	U	1.0	0.086	ug/L		03/19/25 14:00	03/20/25 18:43	1

Lab Sample ID: LCS 240-648817/2-A
Matrix: Water
Analysis Batch: 649013

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 648817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	487		ug/L		97	80 - 120
Cobalt	500	475		ug/L		95	80 - 120

Lab Sample ID: 240-220574-6 MS
Matrix: Water
Analysis Batch: 649013

Client Sample ID: WC24 BE 30CTRL 2 T0
Prep Type: Dissolved
Prep Batch: 648817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	28		500	505		ug/L		95	80 - 120
Cobalt	27		500	493		ug/L		93	80 - 120

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 240-220574-6 MSD
Client Sample ID: WC24 BE 30CTRL 2 T0
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 649013
Prep Batch: 648817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	28		500	512		ug/L		97	80 - 120	1	20
Cobalt	27		500	492		ug/L		93	80 - 120	0	20

Metals

Prep Batch: 648812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-220574-41	SB24 BE 7-1	Dissolved	Water	3005A	
240-220574-42	SB24 BE 7-2	Dissolved	Water	3005A	
240-220574-43	SB24 BE 20-1	Dissolved	Water	3005A	
240-220574-44	SB24 BE 20-2	Dissolved	Water	3005A	
240-220574-45	SB24 BE 30-1	Dissolved	Water	3005A	
240-220574-46	SB24 BE 30-2	Dissolved	Water	3005A	
240-220574-47	SB24 BE 50-1	Dissolved	Water	3005A	
240-220574-48	SB24 BE 50-2	Dissolved	Water	3005A	
240-220574-49	SB24 BE 80-1	Dissolved	Water	3005A	
240-220574-50	SB24 BE 80-2	Dissolved	Water	3005A	
240-220574-51	SB24 CO 40-1	Dissolved	Water	3005A	
240-220574-52	SB24 CO 40-2	Dissolved	Water	3005A	
240-220574-53	SB24 CO 80-1	Dissolved	Water	3005A	
240-220574-54	SB24 CO 80-2	Dissolved	Water	3005A	
240-220574-55	SB24 CO 120-1	Dissolved	Water	3005A	
240-220574-56	SB24 CO 120-2	Dissolved	Water	3005A	
240-220574-57	SB24 CO 240-1	Dissolved	Water	3005A	
240-220574-58	SB24 CO 240-1	Dissolved	Water	3005A	
240-220574-59	SB24 CO 480-1	Dissolved	Water	3005A	
240-220574-60	SB24 CO 480-2	Dissolved	Water	3005A	
MB 240-648812/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-648812/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 648815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-220574-21	WC24 BE 7 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-22	WC24 BE 7 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-23	WC24 BE 20 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-24	WC24 BE 20 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-25	WC24 BE 30 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-26	WC24 BE 30 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-27	WC24 BE 50 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-28	WC24 BE 50 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-29	WC24 BE 80 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-30	WC24 BE 80 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-31	WC24 CO 40 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-32	WC24 CO 40 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-33	WC24 CO 80 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-34	WC24 CO 80 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-35	WC24 CO 120 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-36	WC24 CO 120 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-37	WC24 CO 240 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-38	WC24 CO 240 CTRL 2 T7	Dissolved	Water	3005A	
240-220574-39	WC24 CO 480 CTRL 1 T7	Dissolved	Water	3005A	
240-220574-40	WC24 CO 480 CTRL 2 T7	Dissolved	Water	3005A	
MB 240-648815/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-648815/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 648817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-220574-1	WC24 BE 7 CTRL 1 T0	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 648817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-220574-2	WC24 BE 7 CTRL 2 T0	Dissolved	Water	3005A	
240-220574-3	WC24 BE 20 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-4	WC24 BE 20 CTRL 2 T0	Dissolved	Water	3005A	
240-220574-5	WC24 BE 30 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-6	WC24 BE 30CTRL 2 T0	Dissolved	Water	3005A	
240-220574-7	WC24 BE 50 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-8	WC24 BE 50 CTRL 2 T0	Dissolved	Water	3005A	
240-220574-9	WC24 BE 80 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-10	WC24 BE 80 CTRL 2 T0	Dissolved	Water	3005A	
240-220574-11	WC24 CO 40 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-12	WC24 CO 40CTRL 2 T0	Dissolved	Water	3005A	
240-220574-13	WC24 CO 80 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-14	WC24 CO 80CTRL 2 T0	Dissolved	Water	3005A	
240-220574-15	WC24 CO 120 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-16	WC24 CO 120 CTRL 2 T0	Dissolved	Water	3005A	
240-220574-17	WC24 CO 240 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-18	WC24 CO 240 CTRL 2 T0	Dissolved	Water	3005A	
240-220574-19	WC24 CO 480 CTRL 1 T0	Dissolved	Water	3005A	
240-220574-20	WC24 CO 480 CTRL 2T0	Dissolved	Water	3005A	
MB 240-648817/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-648817/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-220574-6 MS	WC24 BE 30CTRL 2 T0	Dissolved	Water	3005A	
240-220574-6 MSD	WC24 BE 30CTRL 2 T0	Dissolved	Water	3005A	

Analysis Batch: 649013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-220574-1	WC24 BE 7 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-2	WC24 BE 7 CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-3	WC24 BE 20 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-4	WC24 BE 20 CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-5	WC24 BE 30 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-6	WC24 BE 30CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-7	WC24 BE 50 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-8	WC24 BE 50 CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-9	WC24 BE 80 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-10	WC24 BE 80 CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-11	WC24 CO 40 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-12	WC24 CO 40CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-13	WC24 CO 80 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-14	WC24 CO 80CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-15	WC24 CO 120 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-16	WC24 CO 120 CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-17	WC24 CO 240 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-18	WC24 CO 240 CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-19	WC24 CO 480 CTRL 1 T0	Dissolved	Water	6020B	648817
240-220574-20	WC24 CO 480 CTRL 2T0	Dissolved	Water	6020B	648817
240-220574-21	WC24 BE 7 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-22	WC24 BE 7 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-23	WC24 BE 20 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-24	WC24 BE 20 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-25	WC24 BE 30 CTRL 1 T7	Dissolved	Water	6020B	648815

Metals (Continued)

Analysis Batch: 649013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-220574-26	WC24 BE 30 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-27	WC24 BE 50 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-28	WC24 BE 50 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-29	WC24 BE 80 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-30	WC24 BE 80 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-31	WC24 CO 40 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-32	WC24 CO 40 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-33	WC24 CO 80 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-34	WC24 CO 80 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-35	WC24 CO 120 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-36	WC24 CO 120 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-37	WC24 CO 240 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-38	WC24 CO 240 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-39	WC24 CO 480 CTRL 1 T7	Dissolved	Water	6020B	648815
240-220574-40	WC24 CO 480 CTRL 2 T7	Dissolved	Water	6020B	648815
240-220574-41	SB24 BE 7-1	Dissolved	Water	6020B	648812
240-220574-42	SB24 BE 7-2	Dissolved	Water	6020B	648812
240-220574-43	SB24 BE 20-1	Dissolved	Water	6020B	648812
240-220574-44	SB24 BE 20-2	Dissolved	Water	6020B	648812
240-220574-45	SB24 BE 30-1	Dissolved	Water	6020B	648812
240-220574-46	SB24 BE 30-2	Dissolved	Water	6020B	648812
240-220574-47	SB24 BE 50-1	Dissolved	Water	6020B	648812
240-220574-48	SB24 BE 50-2	Dissolved	Water	6020B	648812
240-220574-49	SB24 BE 80-1	Dissolved	Water	6020B	648812
240-220574-50	SB24 BE 80-2	Dissolved	Water	6020B	648812
240-220574-51	SB24 CO 40-1	Dissolved	Water	6020B	648812
240-220574-52	SB24 CO 40-2	Dissolved	Water	6020B	648812
240-220574-53	SB24 CO 80-1	Dissolved	Water	6020B	648812
240-220574-54	SB24 CO 80-2	Dissolved	Water	6020B	648812
240-220574-55	SB24 CO 120-1	Dissolved	Water	6020B	648812
240-220574-56	SB24 CO 120-2	Dissolved	Water	6020B	648812
240-220574-57	SB24 CO 240-1	Dissolved	Water	6020B	648812
240-220574-58	SB24 CO 240-1	Dissolved	Water	6020B	648812
240-220574-59	SB24 CO 480-1	Dissolved	Water	6020B	648812
240-220574-60	SB24 CO 480-2	Dissolved	Water	6020B	648812
MB 240-648812/1-A	Method Blank	Total Recoverable	Water	6020B	648812
MB 240-648815/1-A	Method Blank	Total Recoverable	Water	6020B	648815
MB 240-648817/1-A	Method Blank	Total Recoverable	Water	6020B	648817
LCS 240-648812/2-A	Lab Control Sample	Total Recoverable	Water	6020B	648812
LCS 240-648815/2-A	Lab Control Sample	Total Recoverable	Water	6020B	648815
LCS 240-648817/2-A	Lab Control Sample	Total Recoverable	Water	6020B	648817
240-220574-6 MS	WC24 BE 30CTRL 2 T0	Dissolved	Water	6020B	648817
240-220574-6 MSD	WC24 BE 30CTRL 2 T0	Dissolved	Water	6020B	648817

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 7 CTRL 1 T0
Lab Sample ID: 240-220574-1
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:08

Client Sample ID: WC24 BE 7 CTRL 2 T0
Lab Sample ID: 240-220574-2
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:11

Client Sample ID: WC24 BE 20 CTRL 1 T0
Lab Sample ID: 240-220574-3
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:14

Client Sample ID: WC24 BE 20 CTRL 2 T0
Lab Sample ID: 240-220574-4
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:17

Client Sample ID: WC24 BE 30 CTRL 1 T0
Lab Sample ID: 240-220574-5
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:20

Client Sample ID: WC24 BE 30CTRL 2 T0
Lab Sample ID: 240-220574-6
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 18:49

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 BE 50 CTRL 1 T0
Lab Sample ID: 240-220574-7
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:23

Client Sample ID: WC24 BE 50 CTRL 2 T0
Lab Sample ID: 240-220574-8
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:31

Client Sample ID: WC24 BE 80 CTRL 1 T0
Lab Sample ID: 240-220574-9
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:34

Client Sample ID: WC24 BE 80 CTRL 2 T0
Lab Sample ID: 240-220574-10
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:37

Client Sample ID: WC24 CO 40 CTRL 1 T0
Lab Sample ID: 240-220574-11
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:40

Client Sample ID: WC24 CO 40CTRL 2 T0
Lab Sample ID: 240-220574-12
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:43

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 80 CTRL 1 T0
Lab Sample ID: 240-220574-13
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:46

Client Sample ID: WC24 CO 80CTRL 2 T0
Lab Sample ID: 240-220574-14
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:48

Client Sample ID: WC24 CO 120 CTRL 1 T0
Lab Sample ID: 240-220574-15
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:51

Client Sample ID: WC24 CO 120 CTRL 2 T0
Lab Sample ID: 240-220574-16
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:54

Client Sample ID: WC24 CO 240 CTRL 1 T0
Lab Sample ID: 240-220574-17
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 19:57

Client Sample ID: WC24 CO 240 CTRL 2 T0
Lab Sample ID: 240-220574-18
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:06

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 480 CTRL 1 T0
Lab Sample ID: 240-220574-19
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:08

Client Sample ID: WC24 CO 480 CTRL 2T0
Lab Sample ID: 240-220574-20
Date Collected: 03/07/25 16:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648817	XWS6	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:11

Client Sample ID: WC24 BE 7 CTRL 1 T7
Lab Sample ID: 240-220574-21
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:20

Client Sample ID: WC24 BE 7 CTRL 2 T7
Lab Sample ID: 240-220574-22
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:26

Client Sample ID: WC24 BE 20 CTRL 1 T7
Lab Sample ID: 240-220574-23
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:29

Client Sample ID: WC24 BE 20 CTRL 2 T7
Lab Sample ID: 240-220574-24
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:31

Client Sample ID: WC24 BE 30 CTRL 1 T7
Lab Sample ID: 240-220574-25

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:40

Client Sample ID: WC24 BE 30 CTRL 2 T7
Lab Sample ID: 240-220574-26

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:43

Client Sample ID: WC24 BE 50 CTRL 1 T7
Lab Sample ID: 240-220574-27

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:46

Client Sample ID: WC24 BE 50 CTRL 2 T7
Lab Sample ID: 240-220574-28

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:49

Client Sample ID: WC24 BE 80 CTRL 1 T7
Lab Sample ID: 240-220574-29

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:51

Client Sample ID: WC24 BE 80 CTRL 2 T7
Lab Sample ID: 240-220574-30

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:54

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 40 CTRL 1 T7
Lab Sample ID: 240-220574-31
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 20:57

Client Sample ID: WC24 CO 40 CTRL 2 T7
Lab Sample ID: 240-220574-32
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:00

Client Sample ID: WC24 CO 80 CTRL 1 T7
Lab Sample ID: 240-220574-33
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:03

Client Sample ID: WC24 CO 80 CTRL 2 T7
Lab Sample ID: 240-220574-34
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:06

Client Sample ID: WC24 CO 120 CTRL 1 T7
Lab Sample ID: 240-220574-35
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:14

Client Sample ID: WC24 CO 120 CTRL 2 T7
Lab Sample ID: 240-220574-36
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:17

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: WC24 CO 240 CTRL 1 T7
Lab Sample ID: 240-220574-37
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:20

Client Sample ID: WC24 CO 240 CTRL 2 T7
Lab Sample ID: 240-220574-38
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:23

Client Sample ID: WC24 CO 480 CTRL 1 T7
Lab Sample ID: 240-220574-39
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:26

Client Sample ID: WC24 CO 480 CTRL 2 T7
Lab Sample ID: 240-220574-40
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648815	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 21:29

Client Sample ID: SB24 BE 7-1
Lab Sample ID: 240-220574-41
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:06

Client Sample ID: SB24 BE 7-2
Lab Sample ID: 240-220574-42
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:11

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 20-1
Lab Sample ID: 240-220574-43
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:14

Client Sample ID: SB24 BE 20-2
Lab Sample ID: 240-220574-44
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:17

Client Sample ID: SB24 BE 30-1
Lab Sample ID: 240-220574-45
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:20

Client Sample ID: SB24 BE 30-2
Lab Sample ID: 240-220574-46
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:23

Client Sample ID: SB24 BE 50-1
Lab Sample ID: 240-220574-47
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:26

Client Sample ID: SB24 BE 50-2
Lab Sample ID: 240-220574-48
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:29

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Client Sample ID: SB24 BE 80-1
Lab Sample ID: 240-220574-49
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:32

Client Sample ID: SB24 BE 80-2
Lab Sample ID: 240-220574-50
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:40

Client Sample ID: SB24 CO 40-1
Lab Sample ID: 240-220574-51
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:43

Client Sample ID: SB24 CO 40-2
Lab Sample ID: 240-220574-52
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:46

Client Sample ID: SB24 CO 80-1
Lab Sample ID: 240-220574-53
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:49

Client Sample ID: SB24 CO 80-2
Lab Sample ID: 240-220574-54
Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:52

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Project/Site: Plant Wansley

Job ID: 240-220574-1

Client Sample ID: SB24 CO 120-1

Lab Sample ID: 240-220574-55

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:54

Client Sample ID: SB24 CO 120-2

Lab Sample ID: 240-220574-56

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 16:57

Client Sample ID: SB24 CO 240-1

Lab Sample ID: 240-220574-57

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 17:00

Client Sample ID: SB24 CO 240-1

Lab Sample ID: 240-220574-58

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 17:03

Client Sample ID: SB24 CO 480-1

Lab Sample ID: 240-220574-59

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 17:06

Client Sample ID: SB24 CO 480-2

Lab Sample ID: 240-220574-60

Date Collected: 03/17/25 12:00
Matrix: Water
Date Received: 03/18/25 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			648812	BN	EET CLE	03/19/25 14:00
Dissolved	Analysis	6020B		1	649013	S4FJ	EET CLE	03/20/25 17:14

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-220574-1
Project/Site: Plant Wansley

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:
SiREM	Tel/Fax: 865-236-2696	Lab Contact:	Carrier:
180B Market Place Blvd	Analysis Turnaround Time		
Knoxville, TN 37922	☐ CALENDAR DAYS ☐ WORKING DAYS		
865-330-0037	TAT if different from Below _____		
(xxx) xxx-xxxx FAX	☐ 2 weeks		
Project Name: Plant Wansley	☐ 1 week		
Site:	☐ 2 days		
P O #	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020B Dissolved - Co, Be	
WC24 Be 7 Ctrl 1 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 7 Ctrl 2 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 20 Ctrl 1 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 20 Ctrl 2 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 30 Ctrl 1 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 30 Ctrl 2 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 50 Ctrl 1 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 50 Ctrl 2 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 80 Ctrl 1 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Be 80 Ctrl 2 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Co 40 Ctrl 1 T0	3725	1600	G	W	1	Y	Y	X	
WC24 Co 40 Ctrl 2 T0	3725	1600	G	W	1	Y	Y	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other — 4

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are re

☐ Return to Client ☐ Disposal by Lab ☐ Arc

Special Instructions/QC Requirements & Comments:

All samples have been filtered

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.: Cooler Temp. (°C): Obs'd: Corr'd:

Eurofins Canton
190 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:
SIREM	Email: jsmith@siremlab.com	Lab Contact:	Carrier:
1808 Market Place Blvd	Tel/Fax: 865-236-2696		
Knoxville, TN 37922	Analysis Turnaround Time		
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS		
(xxx) xxx-xxxx FAX	TAT if different from Below _____		
Project Name: Plant Wansley	☐ 2 weeks		
Site:	☐ 1 week		
P O #	☐ 2 days		
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020B Dissolved - Co, Be
WC24 Co 60 Ctrl 1 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Co 60 Ctrl 2 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Co 120 Ctrl 1 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Co 120 Ctrl 2 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Co 240 Ctrl 1 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Co 240 Ctrl 2 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Co 480 Ctrl 1 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Co 480 Ctrl 2 T0	3.7.25	1600	G	W	1	Y	Y	X
WC24 Be 7 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 7 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 20 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 20 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are ret

☐ Return to Client ☐ Disposal by Lab ☐ Archi

Special Instructions/QC Requirements & Comments:

All Samples have been filtered

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.:

Cooler Temp. (°C): Obs'd: Corr'd:

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-9543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:
SREM	Tel/Fax: 865-236-2696	Lab Contact:	Carrier:
1808 Market Place Blvd	Analysis Turnaround Time		
Knoxville, TN 37922	☐ CALENDAR DAYS ☐ WORKING DAYS		
865-330-0037	TAT if different from Below _____		
(xxx) xxx-xxxx FAX	☐ 2 weeks		
Project Name: Plant Wansley	☐ 1 week		
Site:	☐ 2 days		
P O #	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020B Dissolved - Co, Be
WC24 Be 30 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 30 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 50 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 50 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 80 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Be 80 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Co 40 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Co 40 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Co 80 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Co 80 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Co 120 Ctrl 1 T7	3.17.25	1200	G	W	1	Y	Y	X
WC24 Co 120 Ctrl 2 T7	3.17.25	1200	G	W	1	Y	Y	X

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

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Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

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Sample Disposal (A fee may be assessed if samples are ret

☐ Return to Client ☐ Disposal by Lab ☐ Archi

Special Instructions/QC Requirements & Comments:

All samples have been filtered

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.:

Cooler Temp. (°C): Obs'd: Corr'd:

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180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:
S/REM	Tel/Fax: 865-236-2896	Lab Contact:	Carrier:
1805 Market Place Blvd	**Analysis Turnaround Time**		
Knoxville, TN 37922	☐ CALENDAR DAYS ☐ WORKING DAYS		
865-330-0037	TAT if different from Below _____		
(xxx) xxx-xxxx FAX	☐ 2 weeks		
Project Name: Plant Wansley	☐ 1 week		
Site:	☐ 2 days		
P O #	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020B Dissolved - Co, Be	
WC24 Co 240 Ctrl 1 T7	3-17-25	1200	G	W	1	Y	Y	X	
WC24 Co 240 Ctrl 2 T7	3-17-25	1200	G	W	1	Y	Y	X	
WC24 Co 480 Ctrl 1 T7	3-17-25	1200	G	W	1	Y	Y	X	
WC24 Co 480 Ctrl 2 T7	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 7-1	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 7-2	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 20-1	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 20-2	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 30-1	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 30-2	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 50-1	3-17-25	1200	G	W	1	Y	Y	X	
SB24 Be 50-2	3-17-25	1200	G	W	1	Y	Y	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 4

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

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Special Instructions/QC Requirements & Comments:

All samples have been filtered

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.: Cooler Temp. (°C): Obs'd: Corr'd:

Eurofins Canton
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Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:
SIREM	Tel/Fax: 865-236-2696	Lab Contact:	Carrier:
1808 Market Place Blvd	Analysis Turnaround Time		
Knoxville, TN 37922	☐ CALENDAR DAYS ☐ WORKING DAYS		
865-330-0037	TAT if different from Below _____		
(xxx) xxx-xxxx FAX	☐ 2 weeks		
Project Name: Plant Wansley	☐ 1 week		
Site:	☐ 2 days		
P O #	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	60208 Dissolved - Co, Be	
SB24 Be 80-1	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Be 80-2	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 40-1	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 40-2	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 80-1	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 80-2	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 120-1	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 120-2	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 240-1	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 240-2	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 480-1	3/17/25	1200	G	W	1	Y	Y	X	
SB24 Co 480-2	3/17/25	1200	G	W	1	Y	Y	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ #

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are ret

☐ Return to Client ☐ Disposal by Lab ☐ Archi

Special Instructions/QC Requirements & Comments:

All samples have been filtered

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.: Coolers

1. Cooler temperature upon receipt ☑ See Multiple Cooler Form
IR GUN # 18 (CF 0.1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# FC44
14. Were VOAs on the COC?	Yes	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are n checked for pH Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

WI-NC-099-123124 Cooler Receipt Form.doc

EC	Client	Box	Other	IR GUN #: _____			Wet Ice Blue Ice Water None

WC24 BE 30 CTRL 1 TO	240-220574-A-5	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 30CTRL 2 TO	240-220574-A-6	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 50 CTRL 1 TO	240-220574-A-7	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 50 CTRL 2 TO	240-220574-A-8	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 80 CTRL 1 TO	240-220574-A-9	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 80 CTRL 2 TO	240-220574-A-10	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 40 CTRL 1 TO	240-220574-A-11	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 40CTRL 2 TO	240-220574-A-12	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 80 CTRL 1 TO	240-220574-A-13	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 80CTRL 2 TO	240-220574-A-14	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 120 CTRL 1 TO	240-220574-A-15	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 120 CTRL 2 TO	240-220574-A-16	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 240 CTRL 1 TO	240-220574-A-17	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 240 CTRL 2 TO	240-220574-A-18	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 480 CTRL 1 TO	240-220574-A-19	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 480 CTRL 2TO	240-220574-A-20	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 7 CTRL 1 T7	240-220574-A-21	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 7 CTRL 2 T7	240-220574-A-22	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 20 CTRL 1 T7	240-220574-A-23	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 20 CTRL 2 T7	240-220574-A-24	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 30 CTRL 1 T7	240-220574-A-25	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 30 CTRL 2 T7	240-220574-A-26	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 50 CTRL 1 T7	240-220574-A-27	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 50 CTRL 2 T7	240-220574-A-28	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 80 CTRL 1 T7	240-220574-A-29	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 BE 80 CTRL 2 T7	240-220574-A-30	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 40 CTRL 1 T7	240-220574-A-31	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 40 CTRL 2 T7	240-220574-A-32	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 80 CTRL 1 T7	240-220574-A-33	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 80 CTRL 2 T7	240-220574-A-34	Plastic 250ml - w/nitric - dis	<2	_____	_____
WC24 CO 120 CTRL 1 T7	240-220574-A-35	Plastic 250ml - w/nitric - dis	<2	_____	_____

SB24 BE 20-1	240-220574-A-43	Plastic 250ml - w/nitric - dis	<2		
SB24 BE 20-2	240-220574-A-44	Plastic 250ml - w/nitric - dis	<2		
SB24 BE 30-1	240-220574-A-45	Plastic 250ml - w/nitric - dis	<2		
SB24 BE 30-2	240-220574-A-46	Plastic 250ml - w/nitric - dis	<2		
SB24 BE 50-1	240-220574-A-47	Plastic 250ml - w/nitric - dis	<2		
SB24 BE 50-2	240-220574-A-48	Plastic 250ml - w/nitric - dis	<2		
SB24 BE 80-1	240-220574-A-49	Plastic 250ml - w/nitric - dis	<2		
SB24 BE 80-2	240-220574-A-50	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 40-1	240-220574-A-51	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 40-2	240-220574-A-52	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 80-1	240-220574-A-53	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 80-2	240-220574-A-54	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 120-1	240-220574-A-55	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 120-2	240-220574-A-56	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 240-1	240-220574-A-57	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 240-1	240-220574-A-58	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 480-1	240-220574-A-59	Plastic 250ml - w/nitric - dis	<2		
SB24 CO 480-2	240-220574-A-60	Plastic 250ml - w/nitric - dis	<2		


ORIGIN ID:RKWA (865) 291-4718
SIREM KNOXVILLE
GEOSYNTEC CONSULTANTS
1908 MARKET PLACE BLVD
KNOXVILLE, TN 37922
UNITED STATES US
SHIP DATE: 17MAR25
ACTWGT: 30.00 LB
CAD: 102598134/INET4535
BILL SENDER
TO EUROFINS ENV TESTING N. CENTRAL
EUROFINS ENV TESTING N. CENTRAL
180 SOUTH VAN BUREN AVE
BARBERTON OH 44203
(330) 497-9396 REF: SIREMLABUS
INV: 01
PO: 01
DEPT: 0101
FedEx Express
TUE - 18 MAR 10:30A
PRIORITY OVERNIGHT
1 of 2
TRK# 7727 7589 3108
0201
MASTER
XS CAKA
44203
OH-US CLE
ORIGIN ID:RKWA (865) 291-4718
SIREM KNOXVILLE
GEOSYNTEC CONSULTANTS
1908 MARKET PLACE BLVD
KNOXVILLE, TN 37922
UNITED STATES US
TO EUROFINS ENV TESTING N. CE
EUROFINS ENV TESTING N. CE
180 SOUTH VAN BUREN AVE
BARBERTON OH 44203
(330) 497-9396 REF: SIREMLABUS
INV: 01
PO: 01
2 of 2
MPS# 7727 7589 3119
0063
Mstr# 7727 7589 3108
0201
XS CAKA
TUE -
PRIO

Quantitative X-Ray Diffraction by Rietveld Refinement

Report Prepared for:	*SiREM Laboratory* *180B Market Place Blvd Knoxville, Tennesse 37922, USA*
Project Number/ LIMS No.	*Custom XRD/CA19633-JAN25/MI4548-JAN25*
Sample Receipt:	*January 24, 2025*
Sample Analysis:	*February 3, 2025*
Reporting Date:	*March 11, 2025*

Instrument:	BRUKER AXS D8 Advance Diffractometer
Test Conditions:	Co radiation, 35 kV, 40 mA; Detector: LYNXEYE_XE_T Regular Scanning: Step: 0.02°, Step time:0.5s, 2θ range: 6-80°
Interpretations :	PDF2/PDF4 powder diffraction databases issued by the International Center for Diffraction Data (ICDD). Diffrac Eva and Topas software.
Detection Limit :	0.5-2%. Strongly dependent on crystallinity.

Contents:

1) Method Summary
2) Quantitative XRD Results
3) XRD Pattern(s)

Kim Gibbs, H.B.Sc., P.Geo.
Senior Mineralogist

Huyun Zhou, Ph.D., P.Geo.
Senior Mineralogist

ACCREDITATION: SGS Natural Resources Lakefield is accredited to the requirements of ISO/IEC 17025 for specific tests as listed on our scope of accreditation, including geochemical, mineralogical and trade mineral tests. To view a list of the accredited methods, please visit the following website and search SGS Canada Inc. - Minerals: https://www.scc.ca/en/search/palcan.

Method Summary

The Rietveld Method of Mineral Identification by XRD (ME-LR-MIN-MET-MN-D05) method used by SGS Natural Resources is accredited to the requirements of ISO/IEC 17025.

Mineral Identification and Interpretation:

Mineral identification and interpretation involves matching the diffraction pattern of an unknown material to patterns of single-phase reference materials. The reference patterns are compiled by the Joint Committee on Powder Diffraction Standards - International Center for Diffraction Data (JCPDS-ICDD) database and released on software as Powder Diffraction Files (PDF).

Interpretations do not reflect the presence of non-crystalline and/or amorphous compounds, except when internal standards have been added by request. Mineral proportions may be strongly influenced by crystallinity, crystal structure and preferred orientations. Mineral or compound identification and quantitative analysis results should be accompanied by supporting chemical assay data or other additional tests.

Quantitative Rietveld Analysis:

Quantitative Rietveld Analysis is performed by using Diffrac Topas 7 (Bruker), a graphics based profile analysis program built around a non-linear least squares fitting system, to determine the amount of different phases present in a multicomponent sample. Whole pattern analyses are predicated by the fact that the X-ray diffraction pattern is a total sum of both instrumental and specimen factors. Unlike other peak intensity-based methods, the Rietveld method uses a least squares approach to refine a theoretical line profile until it matches the obtained experimental patterns.

Rietveld refinement is completed with a set of minerals specifically identified for the sample. Zero values indicate that the mineral was included in the refinement calculations, but the calculated concentration was less than 0.05wt%. Minerals not identified by the analyst are not included in refinement calculations for specific samples and are indicated with a dash.

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

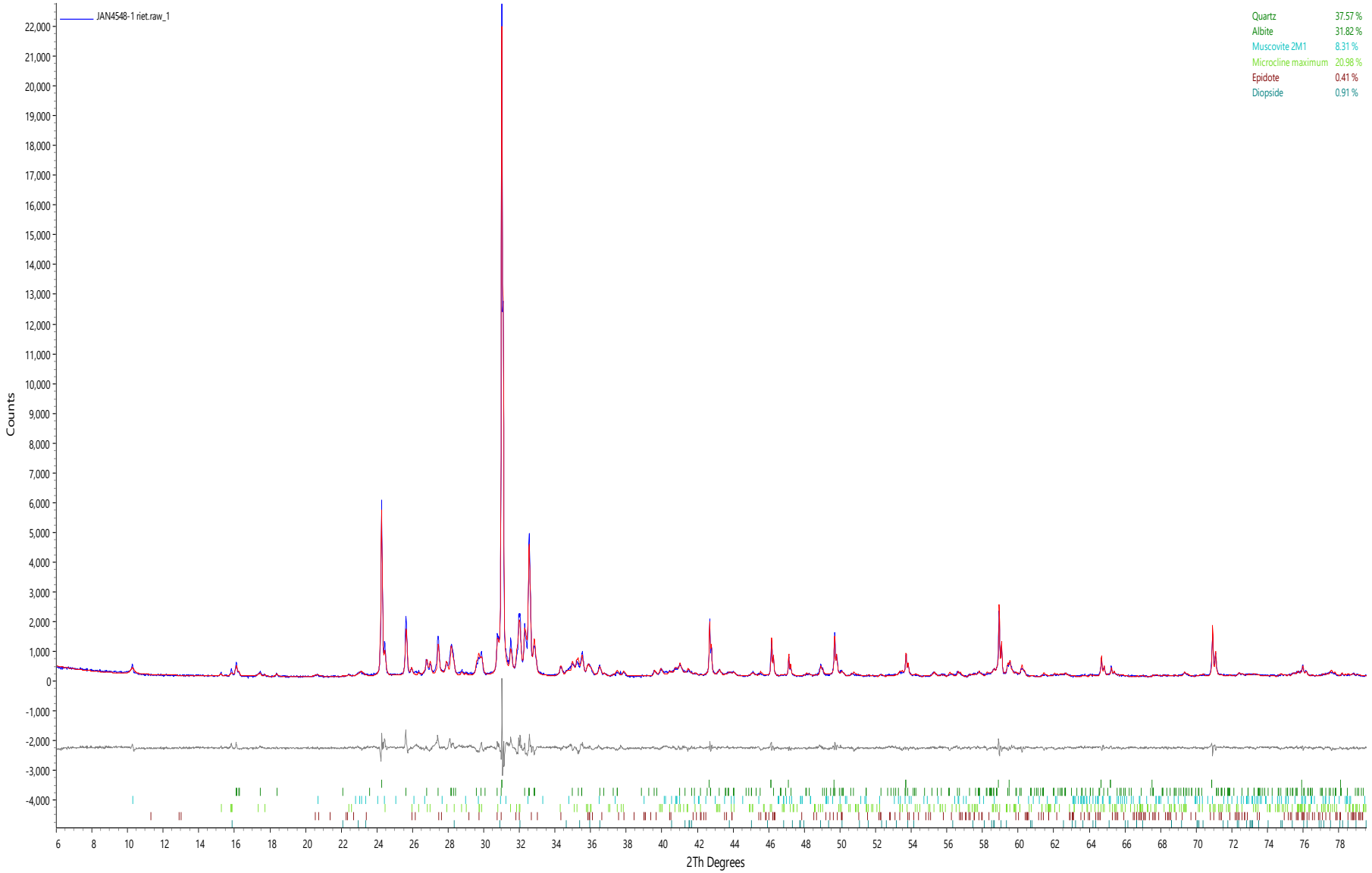
Summary of Rietveld Quantitative Analysis X-Ray Diffraction Results

Mineral/Compound	SB-'24 31' - 37' JAN4548-01 (wt %)
Quartz	37.6
Albite	31.8
Muscovite	8.3
Microcline	21.0
Epidote	0.4
Diopside	0.9
TOTAL	100

The weight percent quantities indicated have been normalized to a sum of 100%. The quantity of amorphous material has not been determined.

Mineral/Compound	Formula
Quartz	SiO_2
Albite	$NaAlSi_3O_8$
Muscovite	$KAl_2(AlSi_3O_{10})(OH)_2$
Microcline	$KAlSi_3O_8$
Epidote	$Ca_2(Al,Fe)Al_2O(SiO_4)(Si_2O_7)(OH)$
Diopside	$CaMgSi_2O_6$

SB-'24 31' - 37'


JAN4548-1 riet.raw_1
Quartz 37.57 %
Albite 31.82 %
Muscovite 2M1 8.31 %
Microcline maximum 20.98 %
Epidote 0.41 %
Diopside 0.91 %
Counts
2Th Degrees

SGS Canada Inc.
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Project : 02.01

24-March-2025

SiREM Laboratory
Attn : Jacques Smith

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Knoxville, Tennesse
37922, USA

Phone: 865-291-4695
Fax:

Date Rec. : 06 January 2025
LR Report: **CA19632-JAN25**

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Sample Date & Time					30-Dec-24 12:30
SiO2 [%]	23-Jan-25	07:55	24-Jan-25	09:55	72.9
Al2O3 [%]	23-Jan-25	07:55	24-Jan-25	09:55	14.4
Fe2O3 [%]	23-Jan-25	07:55	24-Jan-25	09:55	1.88
MgO [%]	23-Jan-25	07:55	24-Jan-25	09:55	0.29
CaO [%]	23-Jan-25	07:55	24-Jan-25	09:55	1.02
Na2O [%]	23-Jan-25	07:55	24-Jan-25	09:55	3.31
K2O [%]	23-Jan-25	07:55	24-Jan-25	09:55	4.37
TiO2 [%]	23-Jan-25	07:55	24-Jan-25	09:55	0.34
P2O5 [%]	23-Jan-25	07:55	24-Jan-25	09:55	0.07
MnO [%]	23-Jan-25	07:55	24-Jan-25	09:55	0.01
Cr2O3 [%]	23-Jan-25	07:55	24-Jan-25	09:55	< 0.01
V2O5 [%]	23-Jan-25	07:55	24-Jan-25	09:55	< 0.01
LOI [%]	23-Jan-25	07:55	24-Jan-25	09:55	1.47
Sum [%]	23-Jan-25	07:55	24-Jan-25	09:55	100.1

Whole Rock Analysis

Method Descriptions

Parameter	Units	SGS Method Code
Inorganics-General	%	

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

0004055755

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Trace Metals - Strong Acid Digest, ICP-MS

Project : 02.01

24-March-2025

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Date Rec. : 06 January 2025
LR Report: **CA19630-JAN25**

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Sample Date & Time					30-Dec-24 12:30
Ag [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	< 0.5
Al [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	68000
As [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	0.6
Ba [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	1300
Be [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	1.6
Bi [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	< 0.09
Ca [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	6500
Cd [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	0.03
Co [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	1.7
Cr [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	20
Cu [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	3.7
Fe [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	11000
K [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	33000
Li [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	12
Mg [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	1500
Mn [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	88
Mo [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	1.3
Na [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	23000
Ni [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	2.2
P [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	230
Pb [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	26
Sb [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	< 0.8
Se [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	< 0.1
Sn [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	< 6
Sr [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	290
Ti [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	1600
Tl [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	0.58
U [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	1.35
V [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	13
Y [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	4.50

OnLine LIMS

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Project : 02.01

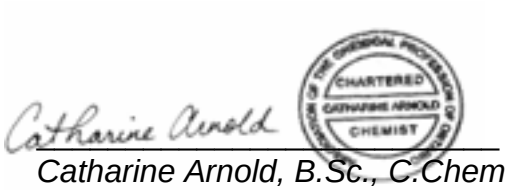
LR Report : **CA19630-JAN25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Zn [µg/g]	30-Jan-25	22:25	31-Jan-25	13:45	60

Trace Metals - Strong Acid Digest, ICP-MS

Method Descriptions

Parameter	Units	SGS Method Code
	µg/g	ME-CA-[ENV]SPE-LAK-AN-001
	µg/g	ME-CA-[ENV]SPE-LAK-AN-013
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-007
Metals - Microwave/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-013



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Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Trace Metals - Strong Acid Digest, ICP-MS

Project : 02.01

LR Report : **CA19630-JAN25**

Quality Control Report

Inorganic Analysis														
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material			
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)		
							%		Low	High		Low	High	
**QCR_SubCategory* - QCBatchID: EMS0266-JAN25*														
Calcium	3	µg/g	<3			1		100			96			
Phosphorus	3	µg/g	<3			4		103			93			
Potassium	3	µg/g	<3			0		102			97			
Sodium	3	µg/g	<3			1		105			102			
Metals - Microwave/ICP-MS - QCBatchID: EMS0266-JAN25														
Aluminum	3	µg/g	<3			1	20	100	70	130	96	70	130	
Antimony	0.8	µg/g	<0.8			ND	20	108	70	130	111	70	130	
Arsenic	0.5	µg/g	<0.5			15	20	101	70	130	97	70	130	
Barium	0.01	µg/g	<0.01			6	20	96	70	130	99	70	130	
Beryllium	0.02	µg/g	<0.02			1	20	100	70	130	81	70	130	
Bismuth	0.09	µg/g	<0.09			ND	20	95	70	130	NV	70	130	
Cadmium	0.02	µg/g	<0.02			13	20	103	70	130	NV	70	130	
Chromium	0.5	µg/g	<0.5			10	20	104	70	130	NV	70	130	
Cobalt	0.01	µg/g	<0.01			2	20	103	70	130	90	70	130	
Copper	0.1	µg/g	<0.1			2	20	104	70	130	99	70	130	
Iron	3	µg/g	<3			2	20	102	70	130	97	70	130	
Lead	0.05	µg/g	<0.05			1	20	97	70	130	93	70	130	
Lithium	2	µg/g	<2			1	20	100	70	130	94	70	130	
Magnesium	3	µg/g	<3			1	20	109	70	130	101	70	130	
Manganese	0.1	µg/g	<0.1			1	20	101	70	130	91	70	130	
Molybdenum	0.1	µg/g	<0.1			3	20	98	70	130	90	70	130	
Nickel	0.1	µg/g	<0.1			1	20	103	70	130	104	70	130	
Selenium	0.1	µg/g	<0.1			11	20	100	70	130	NV	70	130	
Silver	0.5	µg/g	<0.5			ND	20	109	70	130	NV	70	130	
Strontium	0.02	µg/g	<0.02			0	20	103	70	130	104	70	130	
Thallium	0.02	µg/g	<0.02			3	20	NV	70	130	NV	70	130	
Tin	6	µg/g	<6			ND	20	102	70	130	NV	70	130	
Titanium	0.1	µg/g	<0.1			1	20	103	70	130	80	70	130	
Uranium	0.002	µg/g	<0.002			3	20	99	70	130	92	70	130	
Vanadium	1	µg/g	<1			5	20	100	70	130	90	70	130	
Yttrium	0.004	µg/g	<0.004			2	20	102	70	130	NV	70	130	
Zinc	0.7	µg/g	<0.7			2	20	103	70	130	94	70	130	

OnLine LIMS

0004055752

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SEP Leach Fraction 1 - Water Soluble

Project : 02.01

24-March-2025

SiREM Laboratory
Attn : Jacques Smith

180B Market Place Blvd
Knoxville, Tennesse
37922, USA

Phone: 865-291-4695
Fax:

Date Rec. : 06 January 2025
LR Report: **CA19624-JAN25**
Reference: SEP Leach Fraction 1

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Sample Date & Time					30-Dec-24 12:30
Ag [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.05
Al [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	145
As [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
Ba [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	3.7
Be [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.02
B [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 1
Bi [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.09
Ca [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	19
Cd [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.05
Co [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	0.02
Cr [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
Cu [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.1
Fe [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	98
K [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	95
Li [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 2
Mg [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	16
Mn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	1.4
Mo [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.1
Na [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	86
Ni [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
P [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	5
Pb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	0.2
Si [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	224
Sb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.8
Se [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.1
Sr [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	0.5
Sn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
Ti [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	4.1
Tl [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.02

OnLine LIMS

0004055738

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Project : 02.01

LR Report : **CA19624-JAN25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
U [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	0.008
V [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 3
Y [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	0.076
Zn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.7

SEP Leach Fraction 1 - Water Soluble

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
Metals in Soil - Aqua-regia/ICP-MS	µg/g	ME-CA-[ENV]SPE-LAK-AN-002	N	N
Metals in Soil - Aqua-regia/ICP-MS	ug/g	ME-CA-[ENV]SPE-LAK-AN-005	N	N
Metals in Soil - Aqua-regia/ICP-MS	ug/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	N

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a “Y” in the “CALA” column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a “Y” in the “PALA” column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SEP Leach Fraction 1 - Water Soluble

Project : 02.01

LR Report : **CA19624-JAN25**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0249-JAN25													
Aluminum	1	ug/g	<1			0	20	93	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	NV	70	130
Arsenic	0.5	µg/g	<0.5			ND	20	105	70	130	99	70	130
Barium	0.1	ug/g	<0.1			5	20	107	70	130	92	70	130
Beryllium	0.02	ug/g	<0.02			ND	20	101	70	130	94	70	130
Bismuth	0.09	ug/g	<0.09			ND	20	97	70	130	NV	70	130
Boron	1	ug/g	<1			ND	20	95	70	130	NV	70	130
Cadmium	0.05	ug/g	<0.05			ND	20	106	70	130	100	70	130
Calcium	3	µg/g	<3			1	20	107	70	130	91	70	130
Chromium	0.5	µg/g	<0.5			ND	20	100	70	130	114	70	130
Cobalt	0.01	µg/g	<0.01			2	20	101	70	130	92	70	130
Copper	0.1	µg/g	<0.1			ND	20	102	70	130	98	70	130
Iron	1	µg/g	<1			4	20	105	70	130	97	70	130
Lead	0.1	ug/g	<0.1			7	20	110	70	130	110	70	130
Lithium	2	ug/g	<2			ND	20	105	70	130	NV	70	130
Magnesium	1	ug/g	<1			7	20	102	70	130	101	70	130
Manganese	0.5	ug/g	<0.5			0	20	102	70	130	91	70	130
Molybdenum	0.1	ug/g	<0.1			ND	20	102	70	130	111	70	130
Nickel	0.5	ug/g	<0.5			ND	20	101	70	130	102	70	130
Phosphorus	3	ug/g	<3			18	20	99	70	130	NV	70	130
Potassium	4	µg/g	<4			2	20	101	70	130	76	70	130
Selenium	0.1	ug/g	<0.1			ND	20	101	70	130	NV	70	130
Silicon	3	µg/g	<3			2	20	107	80	120	NV	70	130
Silver	0.05	ug/g	<0.05			ND	20	105	70	130	84	70	130
Sodium	1	µg/g	<1			1	20	106	70	130	82	70	130
Strontium	0.1	ug/g	<0.1			0	20	100	70	130	97	70	130
Thallium	0.02	ug/g	<0.02			ND	20	NV	70	130	107	70	130
Tin	0.5	ug/g	<0.5			ND	20	104	70	130	NV	70	130
Titanium	0.1	ug/g	<0.1			6	20	107	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			7	20	109	70	130	NV	70	130
Vanadium	3	ug/g	<3			ND	20	99	70	130	89	70	130
Yttrium	0.004	ug/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	ug/g	<0.7			ND	20	105	70	130	115	70	130

OnLine LIMS

0004055738

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24-March-2025

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Phone: 865-291-4695
Fax:

Date Rec. : 06 January 2025
LR Report: **CA19628-JAN25**
Reference: SEP Leach Fraction 5

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Sample Date & Time					30-Dec-24 12:30
Ag [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.05
Al [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	484
As [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Ba [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	11
Be [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.04
B [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 1
Bi [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.09
Ca [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	289
Cd [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.05
Co [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.02
Cr [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	3.0
Cu [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.1
Fe [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	25
K [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	193
Li [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 2
Mg [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	18
Mn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	1.4
Mo [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.6
Na [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	92
Ni [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Pb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.9
P [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	54
Sb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.8
Se [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.1
Sn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Tl [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.02
U [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.016
V [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 3
W [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.42

OnLine LIMS

0004055748

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

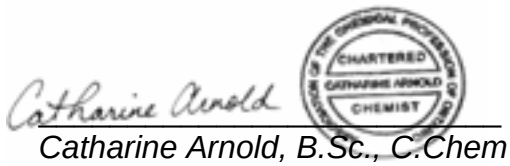
LR Report : **CA19628-JAN25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Y [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.56
Zn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	1.1

Fraction 5 Bound to Organic Material

Method Descriptions

Parameter	Units	SGS Method Code
Metals in Soil - Aqua-regia/ICP-MS	ug/g	ME-CA-[ENV]SPE-LAK-AN-005



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : **CA19628-JAN25**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0249-JAN25													
Aluminum	1	ug/g	<1			0	20	93	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	NV	70	130
Arsenic	0.5	µg/g	<0.5			ND	20	105	70	130	99	70	130
Barium	0.1	ug/g	<0.1			5	20	107	70	130	92	70	130
Beryllium	0.02	ug/g	<0.02			ND	20	101	70	130	94	70	130
Bismuth	0.09	ug/g	<0.09			ND	20	97	70	130	NV	70	130
Boron	1	ug/g	<1			ND	20	95	70	130	NV	70	130
Cadmium	0.05	ug/g	<0.05			ND	20	106	70	130	100	70	130
Calcium	3	µg/g	<3			1	20	107	70	130	91	70	130
Chromium	0.5	µg/g	<0.5			ND	20	100	70	130	114	70	130
Cobalt	0.01	µg/g	<0.01			2	20	101	70	130	92	70	130
Copper	0.1	µg/g	<0.1			ND	20	102	70	130	98	70	130
Iron	1	µg/g	<1			4	20	105	70	130	97	70	130
Lead	0.1	ug/g	<0.1			7	20	110	70	130	110	70	130
Lithium	2	ug/g	<2			ND	20	105	70	130	NV	70	130
Magnesium	1	ug/g	<1			7	20	102	70	130	101	70	130
Manganese	0.1	ug/g	<0.5			0	20	102	70	130	91	70	130
Molybdenum	0.1	ug/g	<0.1			ND	20	102	70	130	111	70	130
Nickel	0.5	ug/g	<0.5			ND	20	101	70	130	102	70	130
Phosphorus	3	µg/g	<3			18	20	99	70	130	NV	70	130
Potassium	4	µg/g	<4			2	20	101	70	130	76	70	130
Selenium	0.1	ug/g	<0.1			ND	20	101	70	130	NV	70	130
Silver	0.05	ug/g	<0.05			ND	20	105	70	130	84	70	130
Sodium	1	µg/g	<1			1	20	106	70	130	82	70	130
Thallium	0.02	ug/g	<0.02			ND	20	NV	70	130	107	70	130
Tin	0.5	ug/g	<0.5			ND	20	104	70	130	NV	70	130
Tungsten	0.04	ug/g	<0.04			ND	20	102	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			7	20	109	70	130	NV	70	130
Vanadium	3	ug/g	<3			ND	20	99	70	130	89	70	130
Yttrium	0.004	ug/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	ug/g	<0.7			ND	20	105	70	130	115	70	130

OnLine LIMS

0004055748

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SGS Canada Inc.
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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 4 - Metals Bound to Fe and Mn Oxides

Project : 02.01

24-March-2025

SiREM Laboratory
Attn : Jacques Smith

180B Market Place Blvd
Knoxville, Tennesse
37922, USA

Phone: 865-291-4695
Fax:

Date Rec. : 06 January 2025
LR Report: **CA19627-JAN25**
Reference: SEP Leach Fraction 4

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Sample Date & Time					30-Dec-24 12:30
Ag [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.01
Al [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	1582
As [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Ba [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	31
Be [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.30
B [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 1
Bi [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.09
Ca [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	204
Cd [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.05
Co [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.25
Cr [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	13
Cu [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.8
Fe [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	1676
K [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	466
Li [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 2
Mg [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	155
Mn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	16
Mo [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.1
Na [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	1729
Ni [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.6
Pb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	2.9
P [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	21
Sb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.8
Se [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.1
Sn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Tl [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.02
U [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.10
V [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 3
W [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.04

OnLine LIMS

0004055746

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 4 - Metals Bound to Fe and Mn Oxides

Project : 02.01

LR Report : **CA19627-JAN25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Y [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.93
Zn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	6.9

Fraction 4 Metals Bound to Fe and Mn Oxides

Method Descriptions

Parameter	Units	SGS Method Code
Metals in Soil - Aqua-regia/ICP-MS	ug/g	ME-CA-[ENV]SPE-LAK-AN-005

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0249-JAN25													
Aluminum	1	ug/g	<1			0	20	93	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	NV	70	130
Arsenic	0.5	µg/g	<0.5			ND	20	105	70	130	99	70	130
Barium	0.1	ug/g	<0.1			5	20	107	70	130	92	70	130
Beryllium	0.02	ug/g	<0.02			ND	20	101	70	130	94	70	130
Bismuth	0.09	ug/g	<0.09			ND	20	97	70	130	NV	70	130
Boron	1	ug/g	<1			ND	20	95	70	130	NV	70	130
Cadmium	0.05	ug/g	<0.05			ND	20	106	70	130	100	70	130
Calcium	3	µg/g	<3			1	20	107	70	130	91	70	130
Chromium	0.5	µg/g	<0.5			ND	20	100	70	130	114	70	130
Cobalt	0.01	µg/g	<0.01			2	20	101	70	130	92	70	130
Copper	0.1	µg/g	<0.1			ND	20	102	70	130	98	70	130
Iron	1	µg/g	<1			4	20	105	70	130	97	70	130
Lead	0.1	ug/g	<0.1			7	20	110	70	130	110	70	130
Lithium	2	ug/g	<2			ND	20	105	70	130	NV	70	130
Magnesium	1	ug/g	<1			7	20	102	70	130	101	70	130
Manganese	0.5	ug/g	<0.5			0	20	102	70	130	91	70	130
Molybdenum	0.1	ug/g	<0.1			ND	20	102	70	130	111	70	130
Nickel	0.5	ug/g	<0.5			ND	20	101	70	130	102	70	130
Phosphorus	3	µg/g	<3			18	20	99	70	130	NV	70	130
Potassium	4	µg/g	<4			2	20	101	70	130	76	70	130
Selenium	0.1	ug/g	<0.1			ND	20	101	70	130	NV	70	130
Silver	0.01	µg/g	<0.05			ND	20	105	70	130	84	70	130
Sodium	1	µg/g	<1			1	20	106	70	130	82	70	130
Thallium	0.02	ug/g	<0.02			ND	20	NV	70	130	107	70	130
Tin	0.5	ug/g	<0.5			ND	20	104	70	130	NV	70	130
Tungsten	0.04	ug/g	<0.04			ND	20	102	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			7	20	109	70	130	NV	70	130
Vanadium	3	ug/g	<3			ND	20	99	70	130	89	70	130
Yttrium	0.004	ug/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	ug/g	<0.7			ND	20	105	70	130	115	70	130

OnLine LIMS

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SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 3 - Metals Bound to Carbonates

Project : 02.01

24-March-2025

SiREM Laboratory
Attn : Jacques Smith

180B Market Place Blvd
Knoxville, Tennesse
37922, USA

Phone: 865-291-4695
Fax:

Date Rec. : 06 January 2025
LR Report: **CA19626-JAN25**
Reference: SEP Leach Fraction 3

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Sample Date & Time					30-Dec-24 12:30
Ag [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.05
Al [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	310
As [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Ba [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	40
Be [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.10
B [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 1
Bi [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.09
Ca [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	83
Cd [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.05
Co [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.37
Cr [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	5.6
Cu [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.4
Fe [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	308
K [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	303
Li [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 2
Mg [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	533
Mn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	33
Mo [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.1
Na [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 1
Ni [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Pb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.9
P [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 3
Sb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.8
Se [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.1
Sn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.5
Tl [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.02
U [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.038
V [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 3
W [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	< 0.04

OnLine LIMS

0004055744

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 3 - Metals Bound to Carbonates

Project : 02.01

LR Report : **CA19626-JAN25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Y [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	0.62
Zn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:22	2.9

Fraction 3 Metals Bound to Carbonates

Method Descriptions

Parameter	Units	SGS Method Code
Metals in Soil - Aqua-regia/ICP-MS	ug/g	ME-CA-[ENV]SPE-LAK-AN-005

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

OnLine LIMS

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 3 - Metals Bound to Carbonates

Project : 02.01

LR Report : **CA19626-JAN25**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0249-JAN25													
Aluminum	1	ug/g	<1			0	20	93	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	NV	70	130
Arsenic	0.5	µg/g	<0.5			ND	20	105	70	130	99	70	130
Barium	0.1	ug/g	<0.1			5	20	107	70	130	92	70	130
Beryllium	0.02	ug/g	<0.02			ND	20	101	70	130	94	70	130
Bismuth	0.09	ug/g	<0.09			ND	20	97	70	130	NV	70	130
Boron	1	ug/g	<1			ND	20	95	70	130	NV	70	130
Cadmium	0.05	ug/g	<0.05			ND	20	106	70	130	100	70	130
Calcium	3	µg/g	<3			1	20	107	70	130	91	70	130
Chromium	0.5	µg/g	<0.5			ND	20	100	70	130	114	70	130
Cobalt	0.01	µg/g	<0.01			2	20	101	70	130	92	70	130
Copper	0.1	µg/g	<0.1			ND	20	102	70	130	98	70	130
Iron	1	µg/g	<1			4	20	105	70	130	97	70	130
Lead	0.1	ug/g	<0.1			7	20	110	70	130	110	70	130
Lithium	2	ug/g	<2			ND	20	105	70	130	NV	70	130
Magnesium	1	ug/g	<1			7	20	102	70	130	101	70	130
Manganese	0.1	ug/g	<0.5			0	20	102	70	130	91	70	130
Molybdenum	0.1	ug/g	<0.1			ND	20	102	70	130	111	70	130
Nickel	0.5	ug/g	<0.5			ND	20	101	70	130	102	70	130
Phosphorus	3	µg/g	<3			18	20	99	70	130	NV	70	130
Potassium	4	µg/g	<4			2	20	101	70	130	76	70	130
Selenium	0.1	ug/g	<0.1			ND	20	101	70	130	NV	70	130
Silver	0.05	ug/g	<0.05			ND	20	105	70	130	84	70	130
Sodium	1	µg/g	<1			1	20	106	70	130	82	70	130
Thallium	0.02	ug/g	<0.02			ND	20	NV	70	130	107	70	130
Tin	0.5	ug/g	<0.5			ND	20	104	70	130	NV	70	130
Tungsten	0.04	ug/g	<0.04			ND	20	102	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			7	20	109	70	130	NV	70	130
Vanadium	3	ug/g	<3			ND	20	99	70	130	89	70	130
Yttrium	0.004	ug/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	ug/g	<0.7			ND	20	105	70	130	115	70	130

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SGS Canada Inc.
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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 2 - Exchangeable Metals

Project : 02.01

24-March-2025

SiREM Laboratory
Attn : Jacques Smith

180B Market Place Blvd
Knoxville, Tennesse
37922, USA

Phone: 865-291-4695
Fax:

Date Rec. : 06 January 2025
LR Report: **CA19625-JAN25**
Reference: SEP Leach Fraction 2

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Sample Date & Time					30-Dec-24 12:30
Ag [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.05
Al [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	6
As [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
Ba [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	18
Be [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.02
B [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 1
Bi [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.09
Ca [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	352
Cd [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.05
Co [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	0.01
Cr [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
Cu [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	0.2
Fe [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	3
K [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	251
Li [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 2
Mg [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 1
Mn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	2.8
Mo [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.1
Na [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	58
Ni [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
Pb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.1
P [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 3
Sb [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.8
Se [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.1
Sn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.5
Tl [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.02
U [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.002
V [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 3
W [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.04

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Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 2 - Exchangeable Metals

Project : 02.01

LR Report : **CA19625-JAN25**

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: SB-'24 31' - 37'
Y [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.004
Zn [µg/g]	02-Jan-25	07:00	03-Feb-25	13:19	< 0.7

Fraction 2 Exchangeable Metals

Method Descriptions

Parameter	Units	SGS Method Code	CALA	PALA
Metals in Soil - Aqua-regia/ICP-MS	ug/g	ME-CA-[ENV]SPE-LAK-AN-005	N	N
Metals in Soil - Aqua-regia/ICP-MS	ug/g	ME-CA-[ENV]SPE-LAK-AN-005	Y	N

Accreditation Descriptions

CALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation found at https://directory.cala.ca/#. Analytes and SGS Method Codes marked with a “Y” in the “CALA” column in the table denote ISO/IEC17025 accreditation

PALA:
SGS Canada Industries & Environment conforms to the requirements of ISO/IEC 17025:2005 for specific tests as listed on their scope of accreditation found at https://www.ceaeq.gouv.qc.ca/documents/publications/listes.htm#labo_accr. Analytes and SGS Method Codes marked with a “Y” in the “PALA” column in the table denote ISO/IEC17025:2005 accreditation

Catharine Arnold

Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety

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Phone: 705-652-2000 FAX: 705-652-6365

SEP Leach Fraction 2 - Exchangeable Metals

Project : 02.01

LR Report : **CA19625-JAN25**

Quality Control Report

Inorganic Analysis													
Parameter	Reporting Limit	Unit	Method Blank	Duplicate				LCS / Spike Blank			Matrix Spike / Reference Material		
				Result 1	Result 2	RPD	Acceptance Criteria	Spike Recovery (%)	Recovery Limits (%)		Spike Recovery (%)	Recovery Limits (%)	
							%		Low	High		Low	High
Metals in Soil - Aqua-regia/ICP-MS - QCBatchID: EMS0249-JAN25													
Aluminum	1	ug/g	<1			0	20	93	70	130	87	70	130
Antimony	0.8	µg/g	<0.8			ND	20	94	70	130	NV	70	130
Arsenic	0.5	µg/g	<0.5			ND	20	105	70	130	99	70	130
Barium	0.1	ug/g	<0.1			5	20	107	70	130	92	70	130
Beryllium	0.02	ug/g	<0.02			ND	20	101	70	130	94	70	130
Bismuth	0.09	ug/g	<0.09			ND	20	97	70	130	NV	70	130
Boron	1	ug/g	<1			ND	20	95	70	130	NV	70	130
Cadmium	0.05	ug/g	<0.05			ND	20	106	70	130	100	70	130
Calcium	3	µg/g	<3			1	20	107	70	130	91	70	130
Chromium	0.5	µg/g	<0.5			ND	20	100	70	130	114	70	130
Cobalt	0.01	µg/g	<0.01			2	20	101	70	130	92	70	130
Copper	0.1	µg/g	<0.1			ND	20	102	70	130	98	70	130
Iron	1	µg/g	<1			4	20	105	70	130	97	70	130
Lead	0.1	ug/g	<0.1			7	20	110	70	130	110	70	130
Lithium	2	ug/g	<2			ND	20	105	70	130	NV	70	130
Magnesium	1	ug/g	<1			7	20	102	70	130	101	70	130
Manganese	0.5	ug/g	<0.5			0	20	102	70	130	91	70	130
Molybdenum	0.1	ug/g	<0.1			ND	20	102	70	130	111	70	130
Nickel	0.5	ug/g	<0.5			ND	20	101	70	130	102	70	130
Phosphorus	3	µg/g	<3			18	20	99	70	130	NV	70	130
Potassium	4	µg/g	<4			2	20	101	70	130	76	70	130
Selenium	0.1	ug/g	<0.1			ND	20	101	70	130	NV	70	130
Silver	0.05	ug/g	<0.05			ND	20	105	70	130	84	70	130
Sodium	1	µg/g	<1			1	20	106	70	130	82	70	130
Thallium	0.02	ug/g	<0.02			ND	20	NV	70	130	107	70	130
Tin	0.5	ug/g	<0.5			ND	20	104	70	130	NV	70	130
Tungsten	0.04	ug/g	<0.04			ND	20	102	70	130	NV	70	130
Uranium	0.002	µg/g	<0.002			7	20	109	70	130	NV	70	130
Vanadium	3	ug/g	<3			ND	20	99	70	130	89	70	130
Yttrium	0.004	ug/g	<0.004			1	20	99	70	130	NV	70	130
Zinc	0.7	ug/g	<0.7			ND	20	105	70	130	115	70	130

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Jacques Smith
SiREM, div of Geosyntec Consultants
180A Market Place Blvd
Knoxville, Tennessee 37922

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JOB DESCRIPTION

Plant Wansley

JOB NUMBER

240-221989-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

my EOL

Job Notes

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Authorization



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Authorized for release by
Roxanne Cisneros, Senior Project Manager
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(330)497-9396

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Definitions/Glossary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-221989-1 — Eurofins Cleveland

Job Narrative
240-221989-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/10/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-221989-1	WC24 7/40 CTRL T01	Water	04/09/25 12:00	04/10/25 09:50
240-221989-2	WC24 20/80 CTRL T0	Water	04/09/25 12:00	04/10/25 09:50
240-221989-3	WC24 30/120 CTRL T0	Water	04/09/25 12:00	04/10/25 09:50
240-221989-4	WC24 50/240 CTRL T0	Water	04/09/25 12:00	04/10/25 09:50
240-221989-5	WC24 80/480 CTRL T0	Water	04/09/25 12:00	04/10/25 09:50
240-221989-6	WC24 7/40 CTRL 2 T0	Water	04/09/25 12:00	04/10/25 09:50

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 7/40 CTRL T01 — Lab Sample ID: 240-221989-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	6.9		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	44		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 20/80 CTRL T0 — Lab Sample ID: 240-221989-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	17		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	75		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 30/120 CTRL T0 — Lab Sample ID: 240-221989-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	27		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	120		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 50/240 CTRL T0 — Lab Sample ID: 240-221989-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	47		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	250		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 80/480 CTRL T0 — Lab Sample ID: 240-221989-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	71		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	480		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC24 7/40 CTRL 2 T0 — Lab Sample ID: 240-221989-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	6.3		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	41		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 7/40 CTRL T01
Lab Sample ID: 240-221989-1
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	6.9		1.0	0.27	ug/L		04/11/25 17:30	04/14/25 14:05	1
Cobalt	44		1.0	0.086	ug/L		04/11/25 17:30	04/14/25 14:05	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 20/80 CTRL T0
Lab Sample ID: 240-221989-2
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	17		1.0	0.27	ug/L		04/11/25 17:30	04/14/25 14:02	1
Cobalt	75		1.0	0.086	ug/L		04/11/25 17:30	04/14/25 14:02	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 30/120 CTRL T0
Lab Sample ID: 240-221989-3
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	27		1.0	0.27	ug/L		04/11/25 17:30	04/14/25 14:21	1
Cobalt	120		1.0	0.086	ug/L		04/11/25 17:30	04/14/25 14:21	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 50/240 CTRL T0
Lab Sample ID: 240-221989-4
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	47		1.0	0.27	ug/L		04/11/25 17:30	04/14/25 14:18	1
Cobalt	250		1.0	0.086	ug/L		04/11/25 17:30	04/14/25 14:18	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 80/480 CTRL T0
Lab Sample ID: 240-221989-5
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	71		1.0	0.27	ug/L		04/11/25 17:30	04/14/25 14:15	1
Cobalt	480		1.0	0.086	ug/L		04/11/25 17:30	04/14/25 14:15	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 7/40 CTRL 2 T0
Lab Sample ID: 240-221989-6
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	6.3		1.0	0.27	ug/L		04/11/25 17:30	04/14/25 14:13	1
Cobalt	41		1.0	0.086	ug/L		04/11/25 17:30	04/14/25 14:13	1

QC Sample Results

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-651813/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 652133
Prep Batch: 651813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/11/25 17:30	04/14/25 13:17	1
Cobalt	0.086	U	1.0	0.086	ug/L		04/11/25 17:30	04/14/25 13:17	1

Lab Sample ID: LCS 240-651813/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 652133
Prep Batch: 651813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	494		ug/L		99	80 - 120
Cobalt	500	490		ug/L		98	80 - 120

QC Association Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Metals

Prep Batch: 651813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221989-1	WC24 7/40 CTRL T01	Dissolved	Water	3005A	
240-221989-2	WC24 20/80 CTRL T0	Dissolved	Water	3005A	
240-221989-3	WC24 30/120 CTRL T0	Dissolved	Water	3005A	
240-221989-4	WC24 50/240 CTRL T0	Dissolved	Water	3005A	
240-221989-5	WC24 80/480 CTRL T0	Dissolved	Water	3005A	
240-221989-6	WC24 7/40 CTRL 2 T0	Dissolved	Water	3005A	
MB 240-651813/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-651813/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 652133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-221989-1	WC24 7/40 CTRL T01	Dissolved	Water	6020B	651813
240-221989-2	WC24 20/80 CTRL T0	Dissolved	Water	6020B	651813
240-221989-3	WC24 30/120 CTRL T0	Dissolved	Water	6020B	651813
240-221989-4	WC24 50/240 CTRL T0	Dissolved	Water	6020B	651813
240-221989-5	WC24 80/480 CTRL T0	Dissolved	Water	6020B	651813
240-221989-6	WC24 7/40 CTRL 2 T0	Dissolved	Water	6020B	651813
MB 240-651813/1-A	Method Blank	Total Recoverable	Water	6020B	651813
LCS 240-651813/2-A	Lab Control Sample	Total Recoverable	Water	6020B	651813

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Client Sample ID: WC24 7/40 CTRL T01
Lab Sample ID: 240-221989-1
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			651813	MN7X	EET CLE	04/11/25 17:30
Dissolved	Analysis	6020B		1	652133	S4FJ	EET CLE	04/14/25 14:05

Client Sample ID: WC24 20/80 CTRL T0
Lab Sample ID: 240-221989-2
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			651813	MN7X	EET CLE	04/11/25 17:30
Dissolved	Analysis	6020B		1	652133	S4FJ	EET CLE	04/14/25 14:02

Client Sample ID: WC24 30/120 CTRL T0
Lab Sample ID: 240-221989-3
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			651813	MN7X	EET CLE	04/11/25 17:30
Dissolved	Analysis	6020B		1	652133	S4FJ	EET CLE	04/14/25 14:21

Client Sample ID: WC24 50/240 CTRL T0
Lab Sample ID: 240-221989-4
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			651813	MN7X	EET CLE	04/11/25 17:30
Dissolved	Analysis	6020B		1	652133	S4FJ	EET CLE	04/14/25 14:18

Client Sample ID: WC24 80/480 CTRL T0
Lab Sample ID: 240-221989-5
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			651813	MN7X	EET CLE	04/11/25 17:30
Dissolved	Analysis	6020B		1	652133	S4FJ	EET CLE	04/14/25 14:15

Client Sample ID: WC24 7/40 CTRL 2 T0
Lab Sample ID: 240-221989-6
Date Collected: 04/09/25 12:00
Matrix: Water
Date Received: 04/10/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			651813	MN7X	EET CLE	04/11/25 17:30
Dissolved	Analysis	6020B		1	652133	S4FJ	EET CLE	04/14/25 14:13

Laboratory References:
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-221989-1
Project/Site: Plant Wansley

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

6-1
6-0

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	**Project Manager: Jacques Smith**	COC No:
SiREM	Email: jsmith@siremlab.com	Site Contact: / Date:	_____ of _____ COCs
180B Market Place Blvd	Tel/Fax: 865-236-2696	Lab Contact: / Carrier:	TALS Project #:
Knoxville, TN 37922	**Analysis Turnaround Time**		Sampler: HB
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS		**For Lab Use Only:**
(xxx) xxx-xxxx FAX	TAT if different from Below _____		Walk-in Client:
Project Name: Plant Wansley	☐ 2 weeks		Lab Sampling:
Site:	☐ 1 week		Job / SDG No.:
P O #	☐ 2 days ☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6020B Dissolved - Co, Be	Sample Specific Notes:
WC24 7/40 Ctrl T0 1	4/9/25	1200	G	W	1	Y	Y	X	All samples have been filtered
WC24 20/80 Ctrl T0	4/9/25	1200	G	W	1	Y	Y	X	Be - 20 ug/L Co - 80 ug/L
WC24 30/120 Ctrl T0	4/9/25	1200	G	W	1	Y	Y	X	Be - 30 ug/L Co - 120 ug/L
WC24 50/240 Ctrl T0	4/9/25	1200	G	W	1	Y	Y	X	Be 50 ug/L Co - 240 ug/L
WC24 80/480 Ctrl T0	4/9/25	1200	G	W	1	Y	Y	X	Be - 80 ug/L Co - 480 ug/L
WC24 7/40 Ctrl 2 T0	4/9/25	1200	G	W	1	Y	Y	X	Be - 7 ug/L Co - 40 ug/L

240-221989 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 4

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by: Helen Bentley	Company: SiREM	Date/Time: 4-9-25 1360	Received by: JM OROSCO	Company: Eurofins	Date/Time: 4/10/25 0950
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client SIREM Site Name _____ Cooler unpacked by JMOROSKO

Cooler Received on 4/10/25 Opened on 4/10/25

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice (Water) None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 18 (CF -0.1 °C) Observed Cooler Temp 6.1 °C Corrected Cooler Temp 6.0 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(N)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC457151
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	(No) NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s). _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

4/10/2025

Login Container Summary Report

240-221989

4/15/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
WC24 7/40 CTRL T01	240-221989-A-1	Plastic 125mL - Nitric Acid diss	<2			
WC24 20/80 CTRL T0	240-221989-A-2	Plastic 125mL - Nitric Acid diss	<2			
WC24 30/120 CTRL T0	240-221989-A-3	Plastic 125mL - Nitric Acid diss	<2			
WC24 50/240 CTRL T0	240-221989-A-4	Plastic 125mL - Nitric Acid diss	<2			
WC24 80/480 CTRL T0	240-221989-A-5	Plastic 125mL - Nitric Acid diss	<2			
WC24 7/40 CTRL 2 T0	240-221989-A-6	Plastic 125mL - Nitric Acid diss	<2			

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Jacques Smith
SiREM, div of Geosyntec Consultants
180A Market Place Blvd
Knoxville, Tennessee 37922

Generated 4/21/2025 11:28:34 PM

JOB DESCRIPTION

Plant Wansley

JOB NUMBER

240-222450-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
4/21/2025 11:28:34 PM

Authorized for release by
Roxanne Cisneros, Senior Project Manager
roxanne.cisneros@et.eurofinsus.com
(330)497-9396

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Definitions/Glossary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-222450-1 — Eurofins Cleveland

Job Narrative
240-222450-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/16/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-222450-1	WC 7/40 CTRL 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-2	WC 7/40 CTRL 2	Water	04/15/25 13:00	04/16/25 09:30
240-222450-3	WC 20/80 CTRL	Water	04/15/25 13:00	04/16/25 09:30
240-222450-4	WC 30/120 CTRL	Water	04/15/25 13:00	04/16/25 09:30
240-222450-5	WC 50/240 CTRL	Water	04/15/25 13:00	04/16/25 09:30
240-222450-6	WC 80/480 CTRL	Water	04/15/25 13:00	04/16/25 09:30
240-222450-7	SB 7/40 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-8	SB 7/40 2	Water	04/15/25 13:00	04/16/25 09:30
240-222450-9	SB 20/80 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-10	SB 20/80 2	Water	04/15/25 13:00	04/16/25 09:30
240-222450-11	SB 30/120 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-12	SB 30/120 2	Water	04/15/25 13:00	04/16/25 09:30
240-222450-13	SB 50/240 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-14	SB 50/240 2	Water	04/15/25 13:00	04/16/25 09:30
240-222450-15	SB 80/480 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-16	SB 80/480 2	Water	04/15/25 13:00	04/16/25 09:30
240-222450-17	BE 750 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-18	BE 750 2	Water	04/15/25 13:00	04/16/25 09:30
240-222450-19	BE 1000 1	Water	04/15/25 13:00	04/16/25 09:30
240-222450-20	BE 1000 2	Water	04/15/25 13:00	04/16/25 09:30

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: WC 7/40 CTRL 1 — Lab Sample ID: 240-222450-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	7.1		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	43		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC 7/40 CTRL 2 — Lab Sample ID: 240-222450-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	6.6		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	42		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC 20/80 CTRL — Lab Sample ID: 240-222450-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	16		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	74		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC 30/120 CTRL — Lab Sample ID: 240-222450-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	25		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	120		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC 50/240 CTRL — Lab Sample ID: 240-222450-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	40		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	220		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WC 80/480 CTRL — Lab Sample ID: 240-222450-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	64		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	460		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 7/40 1 — Lab Sample ID: 240-222450-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.1		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 7/40 2 — Lab Sample ID: 240-222450-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	5.6		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 20/80 1 — Lab Sample ID: 240-222450-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.70	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	8.5		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 20/80 2 — Lab Sample ID: 240-222450-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.76	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	9.7		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 30/120 1 — Lab Sample ID: 240-222450-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	1.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	18		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 30/120 2 — Lab Sample ID: 240-222450-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	1.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	14		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 50/240 1 — Lab Sample ID: 240-222450-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	2.6		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	37		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 50/240 2 — Lab Sample ID: 240-222450-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	2.4		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	33		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 80/480 1 — Lab Sample ID: 240-222450-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	2.9		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	65		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB 80/480 2 — Lab Sample ID: 240-222450-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	2.5		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	54		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 750 1 — Lab Sample ID: 240-222450-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	34		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	2.2		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 750 2 — Lab Sample ID: 240-222450-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	52		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	1.9		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 1000 1 — Lab Sample ID: 240-222450-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	67		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	2.7		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 1000 2 — Lab Sample ID: 240-222450-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	12		1.0	0.27	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: BE 1000 2 (Continued)
Lab Sample ID: 240-222450-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.94	J	1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: WC 7/40 CTRL 1
Lab Sample ID: 240-222450-1
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	7.1		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:13	1
Cobalt	43		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:13	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: WC 7/40 CTRL 2
Lab Sample ID: 240-222450-2
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	6.6		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:00	1
Cobalt	42		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:00	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: WC 20/80 CTRL
Lab Sample ID: 240-222450-3
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	16		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:21	1
Cobalt	74		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:21	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: WC 30/120 CTRL
Lab Sample ID: 240-222450-4
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	25		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:24	1
Cobalt	120		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:24	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: WC 50/240 CTRL
Lab Sample ID: 240-222450-5
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	40		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:26	1
Cobalt	220		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:26	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: WC 80/480 CTRL
Lab Sample ID: 240-222450-6
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	64		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:29	1
Cobalt	460		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:29	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 7/40 1
Lab Sample ID: 240-222450-7
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:32	1
Cobalt	**4.1**		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:32	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 7/40 2
Lab Sample ID: 240-222450-8
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:34	1
Cobalt	**5.6**		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:34	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 20/80 1
Lab Sample ID: 240-222450-9
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.70	J	1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:37	1
Cobalt	8.5		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:37	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 20/80 2
Lab Sample ID: 240-222450-10
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.76	J	1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:40	1
Cobalt	9.7		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:40	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 30/120 1
Lab Sample ID: 240-222450-11
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.2		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:42	1
Cobalt	18		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:42	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 30/120 2
Lab Sample ID: 240-222450-12
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.2		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:45	1
Cobalt	14		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:45	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 50/240 1
Lab Sample ID: 240-222450-13
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.6		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:53	1
Cobalt	37		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:53	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 50/240 2
Lab Sample ID: 240-222450-14
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.4		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:56	1
Cobalt	33		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:56	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 80/480 1
Lab Sample ID: 240-222450-15
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.9		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 14:58	1
Cobalt	65		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 14:58	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 80/480 2
Lab Sample ID: 240-222450-16
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.5		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 15:01	1
Cobalt	54		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 15:01	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: BE 750 1
Lab Sample ID: 240-222450-17
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	34		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 15:04	1
Cobalt	2.2		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 15:04	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: BE 750 2
Lab Sample ID: 240-222450-18
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	52		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 15:07	1
Cobalt	1.9		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 15:07	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: BE 1000 1
Lab Sample ID: 240-222450-19
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	67		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 15:09	1
Cobalt	2.7		1.0	0.086	ug/L		04/17/25 14:00	04/18/25 15:09	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: BE 1000 2
Lab Sample ID: 240-222450-20
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	12		1.0	0.27	ug/L		04/17/25 14:00	04/18/25 15:12	1
Cobalt	0.94	J	1.0	0.086	ug/L		04/17/25 14:00	04/18/25 15:12	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-652497/1-A
Matrix: Water
Analysis Batch: 652752

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 652497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/17/25 14:00	04/18/25 13:54	1
Cobalt	0.086	U	1.0	0.086	ug/L		04/17/25 14:00	04/18/25 13:54	1

Lab Sample ID: LCS 240-652497/2-A
Matrix: Water
Analysis Batch: 652752

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 652497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	443		ug/L		89	80 - 120
Cobalt	500	446		ug/L		89	80 - 120

Lab Sample ID: 240-222450-2 MS
Matrix: Water
Analysis Batch: 652752

Client Sample ID: WC 7/40 CTRL 2
Prep Type: Dissolved
Prep Batch: 652497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	6.6		500	460		ug/L		91	80 - 120
Cobalt	42		500	505		ug/L		92	80 - 120

Lab Sample ID: 240-222450-2 MSD
Matrix: Water
Analysis Batch: 652752

Client Sample ID: WC 7/40 CTRL 2
Prep Type: Dissolved
Prep Batch: 652497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	6.6		500	433		ug/L		85	80 - 120	6	20
Cobalt	42		500	472		ug/L		86	80 - 120	7	20

Metals

Prep Batch: 652497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222450-1	WC 7/40 CTRL 1	Dissolved	Water	3005A	
240-222450-2	WC 7/40 CTRL 2	Dissolved	Water	3005A	
240-222450-3	WC 20/80 CTRL	Dissolved	Water	3005A	
240-222450-4	WC 30/120 CTRL	Dissolved	Water	3005A	
240-222450-5	WC 50/240 CTRL	Dissolved	Water	3005A	
240-222450-6	WC 80/480 CTRL	Dissolved	Water	3005A	
240-222450-7	SB 7/40 1	Dissolved	Water	3005A	
240-222450-8	SB 7/40 2	Dissolved	Water	3005A	
240-222450-9	SB 20/80 1	Dissolved	Water	3005A	
240-222450-10	SB 20/80 2	Dissolved	Water	3005A	
240-222450-11	SB 30/120 1	Dissolved	Water	3005A	
240-222450-12	SB 30/120 2	Dissolved	Water	3005A	
240-222450-13	SB 50/240 1	Dissolved	Water	3005A	
240-222450-14	SB 50/240 2	Dissolved	Water	3005A	
240-222450-15	SB 80/480 1	Dissolved	Water	3005A	
240-222450-16	SB 80/480 2	Dissolved	Water	3005A	
240-222450-17	BE 750 1	Dissolved	Water	3005A	
240-222450-18	BE 750 2	Dissolved	Water	3005A	
240-222450-19	BE 1000 1	Dissolved	Water	3005A	
240-222450-20	BE 1000 2	Dissolved	Water	3005A	
MB 240-652497/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-652497/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-222450-2 MS	WC 7/40 CTRL 2	Dissolved	Water	3005A	
240-222450-2 MSD	WC 7/40 CTRL 2	Dissolved	Water	3005A	

Analysis Batch: 652752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-222450-1	WC 7/40 CTRL 1	Dissolved	Water	6020B	652497
240-222450-2	WC 7/40 CTRL 2	Dissolved	Water	6020B	652497
240-222450-3	WC 20/80 CTRL	Dissolved	Water	6020B	652497
240-222450-4	WC 30/120 CTRL	Dissolved	Water	6020B	652497
240-222450-5	WC 50/240 CTRL	Dissolved	Water	6020B	652497
240-222450-6	WC 80/480 CTRL	Dissolved	Water	6020B	652497
240-222450-7	SB 7/40 1	Dissolved	Water	6020B	652497
240-222450-8	SB 7/40 2	Dissolved	Water	6020B	652497
240-222450-9	SB 20/80 1	Dissolved	Water	6020B	652497
240-222450-10	SB 20/80 2	Dissolved	Water	6020B	652497
240-222450-11	SB 30/120 1	Dissolved	Water	6020B	652497
240-222450-12	SB 30/120 2	Dissolved	Water	6020B	652497
240-222450-13	SB 50/240 1	Dissolved	Water	6020B	652497
240-222450-14	SB 50/240 2	Dissolved	Water	6020B	652497
240-222450-15	SB 80/480 1	Dissolved	Water	6020B	652497
240-222450-16	SB 80/480 2	Dissolved	Water	6020B	652497
240-222450-17	BE 750 1	Dissolved	Water	6020B	652497
240-222450-18	BE 750 2	Dissolved	Water	6020B	652497
240-222450-19	BE 1000 1	Dissolved	Water	6020B	652497
240-222450-20	BE 1000 2	Dissolved	Water	6020B	652497
MB 240-652497/1-A	Method Blank	Total Recoverable	Water	6020B	652497
LCS 240-652497/2-A	Lab Control Sample	Total Recoverable	Water	6020B	652497
240-222450-2 MS	WC 7/40 CTRL 2	Dissolved	Water	6020B	652497
240-222450-2 MSD	WC 7/40 CTRL 2	Dissolved	Water	6020B	652497

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Project/Site: Plant Wansley

Job ID: 240-222450-1

Client Sample ID: WC 7/40 CTRL 1

Lab Sample ID: 240-222450-1

Date Collected: 04/15/25 13:00

Matrix: Water

Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:13

Client Sample ID: WC 7/40 CTRL 2

Lab Sample ID: 240-222450-2

Date Collected: 04/15/25 13:00

Matrix: Water

Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:00

Client Sample ID: WC 20/80 CTRL

Lab Sample ID: 240-222450-3

Date Collected: 04/15/25 13:00

Matrix: Water

Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:21

Client Sample ID: WC 30/120 CTRL

Lab Sample ID: 240-222450-4

Date Collected: 04/15/25 13:00

Matrix: Water

Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:24

Client Sample ID: WC 50/240 CTRL

Lab Sample ID: 240-222450-5

Date Collected: 04/15/25 13:00

Matrix: Water

Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:26

Client Sample ID: WC 80/480 CTRL

Lab Sample ID: 240-222450-6

Date Collected: 04/15/25 13:00

Matrix: Water

Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:29

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: SB 7/40 1
Lab Sample ID: 240-222450-7
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:32

Client Sample ID: SB 7/40 2
Lab Sample ID: 240-222450-8
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:34

Client Sample ID: SB 20/80 1
Lab Sample ID: 240-222450-9
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:37

Client Sample ID: SB 20/80 2
Lab Sample ID: 240-222450-10
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:40

Client Sample ID: SB 30/120 1
Lab Sample ID: 240-222450-11
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:42

Client Sample ID: SB 30/120 2
Lab Sample ID: 240-222450-12
Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:45

Client Sample ID: SB 50/240 1
Lab Sample ID: 240-222450-13

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:53

Client Sample ID: SB 50/240 2
Lab Sample ID: 240-222450-14

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:56

Client Sample ID: SB 80/480 1
Lab Sample ID: 240-222450-15

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 14:58

Client Sample ID: SB 80/480 2
Lab Sample ID: 240-222450-16

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 15:01

Client Sample ID: BE 750 1
Lab Sample ID: 240-222450-17

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 15:04

Client Sample ID: BE 750 2
Lab Sample ID: 240-222450-18

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 15:07

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Client Sample ID: BE 1000 1
Lab Sample ID: 240-222450-19

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 15:09

Client Sample ID: BE 1000 2
Lab Sample ID: 240-222450-20

Date Collected: 04/15/25 13:00
Matrix: Water
Date Received: 04/16/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			652497	MN7X	EET CLE	04/17/25 14:00
Dissolved	Analysis	6020B		1	652752	S4FJ	EET CLE	04/18/25 15:12

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-222450-1
Project/Site: Plant Wansley

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

3.3
3.2

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:	COC No:
SiREM	Email: jsmith@siremlab.com	Lab Contact:	Carrier:	1 of 2 COCs
180B Market Place Blvd	Tel/Fax: 865-236-2696			TALS Project #:
Knoxville, TN 37922	Analysis Turnaround Time			Sampler: HB
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Plant Wansley	☐ 2 weeks			Lab Sampling:
Site:	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6020B Dissolved - Co, Be	Sample Specific Notes:
WC 7/40 Ctrl 1	4/15/25	1300	G	W	1	Y	Y	X	All samples have been filtered
WC 7/40 Ctrl 2	4/15/25	1300	G	W	1	Y	Y	X	
WC 20/80 Ctrl	4/15/25	1300	G	W	1	Y	Y	X	
WC 30/120 Ctrl	4/15/25	1300	G	W	1	Y	Y	X	
WC 50/240 Ctrl	4/15/25	1300	G	W	1	Y	Y	X	
WC 80/480 Ctrl	4/15/25	1300	G	W	1	Y	Y	X	
SB 7/40 1	4/15/25	1300	G	W	1	Y	Y	X	
SB 7/40 2	4/15/25	1300	G	W	1	Y	Y	X	
SB 20/80 1	4/15/25	1300	G	W	1	Y	Y	X	
SB 20/80 2	4/15/25	1300	G	W	1	Y	Y	X	
SB 30/120 1	4/15/25	1300	G	W	1	Y	Y	X	
SB 30/120 2	4/15/25	1300	G	W	1	Y	Y	X	
								4	

240-222450 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	SiREM	4-15-25/1400	KATHARINE MARTIN	EUL	4/16/25 930
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:	COC No:
SiREM	Email: jsmith@siremlab.com	Lab Contact:	Carrier:	2 of 2 COCs
180B Market Place Blvd	Tel/Fax: 865-236-2696			TALS Project #:
Knoxville, TN 37922	Analysis Turnaround Time			Sampler: HB
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Plant Wansley	☐ 2 weeks			Lab Sampling:
Site:	☐ 1 week			
P O #	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6020B Dissolved - Co, Be	Sample Specific Notes:
SB 50/240 1	4/15/25	1300	G	W	1	Y	Y	X	All samples have been filtered
SB 50/240 2	4/15/25	1300	G	W	1	Y	Y	X	
SB 80/480 1	4/15/25	1300	G	W	1	Y	Y	X	
SB 80/480 2	4/15/25	1300	G	W	1	Y	Y	X	
Be 750 1	4/15/25	1300	G	W	1	Y	Y	X	
Be 750 2	4/15/25	1300	G	W	1	Y	Y	X	
Be 1000 1	4/15/25	1300	G	W	1	Y	Y	X	
Be 1000 2	4/15/25	1300	G	W	1	Y	Y	X	
								4	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: SiREM	Date/Time: 4-15-25 1400	Received by: KATHARINE MARTIN	Company: EVR	Date/Time: 4/16/25 930
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client SLEAM Site Name _____ Cooler unpacked by: KMartin

Cooler Received on 4/16/25 Opened on 4/16/25

FedEx. 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 18 (CF -0.1 °C) Observed Cooler Temp. 3.3 °C Corrected Cooler Temp 3.2 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes)	No NA pH Strip Lot# HC457151
14 Were VOAs on the COC?	Yes	(No)
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No (NA)
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	(No)
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s). _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

4/16/2025

Login Container Summary Report

240-222450

4/21/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
WC 7/40 CTRL 1	240-222450-A-1	Plastic 250ml - w/nitric - dis	<2			
WC 7/40 CTRL 2	240-222450-A-2	Plastic 250ml - w/nitric - dis	<2			
WC 20/80 CTRL	240-222450-A-3	Plastic 250ml - w/nitric - dis	<2			
WC 30/120 CTRL	240-222450-A-4	Plastic 250ml - w/nitric - dis	<2			
WC 50/240 CTRL	240-222450-A-5	Plastic 250ml - w/nitric - dis	<2			
WC 80/480 CTRL	240-222450-A-6	Plastic 250ml - w/nitric - dis	<2			
SB 7/40 1	240-222450-A-7	Plastic 250ml - w/nitric - dis	<2			
SB 7/40 2	240-222450-A-8	Plastic 250ml - w/nitric - dis	<2			
SB 20/80 1	240-222450-A-9	Plastic 250ml - w/nitric - dis	<2			
SB 20/80 2	240-222450-A-10	Plastic 250ml - w/nitric - dis	<2			
SB 30/120 1	240-222450-A-11	Plastic 250ml - w/nitric - dis	<2			
SB 30/120 2	240-222450-A-12	Plastic 250ml - w/nitric - dis	<2			
SB 50/240 1	240-222450-A-13	Plastic 250ml - w/nitric - dis	<2			
SB 50/240 2	240-222450-A-14	Plastic 250ml - w/nitric - dis	<2			
SB 80/480 1	240-222450-A-15	Plastic 250ml - w/nitric - dis	<2			
SB 80/480 2	240-222450-A-16	Plastic 250ml - w/nitric - dis	<2			
BE 750 1	240-222450-A-17	Plastic 250ml - w/nitric - dis	<2			
BE 750 2	240-222450-A-18	Plastic 250ml - w/nitric - dis	<2			
BE 1000 1	240-222450-A-19	Plastic 250ml - w/nitric - dis	<2			
BE 1000 2	240-222450-A-20	Plastic 250ml - w/nitric dis	<2			



ORIGIN ID:RKWA (865) 291-4716
SIREM KNOXVILLE
GEOSYNTEC CONSULTANTS
180B MARKET PLACE BLVD.

KNOXVILLE, TN 37922
UNITED STATES US

SHIP DATE: 15APR25
ACTWGT: 30.00 LB
CAD: 102598124/INET4535

BILL SENDER

TO EUROFINS ENV TESTING N. CENTRAL
EUROFINS ENV TESTING N. CENTRAL
180 SOUTH VAN BUREN AVE

BARBERTON OH 44203
(330) 497-9396 REF: SIREMLABUS
INV: 01
PO: 02 DEPT: 8151

58CJ5/113/C6C4

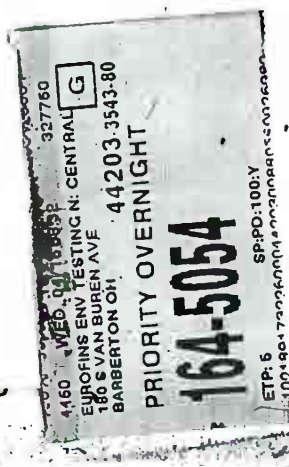
FedEx Express

WED - 16 APR 10:30A
PRIORITY OVERNIGHT

TRK# 0201 8805 6992 6982

44203
NX CAKA OH-US CLE

240-222450 Waybi



TAL-0090(1016)

4/21/2025

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Jacques Smith
SiREM, div of Geosyntec Consultants
180A Market Place Blvd
Knoxville, Tennessee 37922

Generated 5/1/2025 10:08:03 PM

JOB DESCRIPTION

Plant Wansley

JOB NUMBER

240-223060-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



Generated
5/1/2025 10:08:03 PM

Authorized for release by
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Definitions/Glossary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-223060-1 — Eurofins Cleveland

Job Narrative
240-223060-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/25/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-223060-1	WA18 CTRL 1.5 T7	Water	04/24/25 13:00	04/25/25 09:30
240-223060-2	WA18 CTRL 2.5 T7	Water	04/24/25 13:00	04/25/25 09:30
240-223060-3	SB24 7/40 1.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-4	SB24 7/40 2.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-5	SB24 20/80 1.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-6	SB24 20/80 2.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-7	SB24 30/120 1.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-8	SB24 30/120 2.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-9	SB24 50/240 1.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-10	SB24 50/240 2.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-11	SB24 80/480 1.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-12	SB24 80/480 2.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-13	BE 750 1.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-14	BE 750 2	Water	04/24/25 13:00	04/25/25 09:30
240-223060-15	BE 1000 1.5	Water	04/24/25 13:00	04/25/25 09:30
240-223060-16	BE 1000 2	Water	04/24/25 13:00	04/25/25 09:30
240-223060-17	WA18 CTRL 1.5 T0	Water	04/17/25 14:00	04/25/25 09:30
240-223060-18	WA18 CTRL 2.5 T0	Water	04/17/25 14:00	04/25/25 09:30

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: WA18 CTRL 1.5 T7 — Lab Sample ID: 240-223060-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.31	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WA18 CTRL 2.5 T7 — Lab Sample ID: 240-223060-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.32	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 7/40 1.5 — Lab Sample ID: 240-223060-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.40	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	3.8		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 7/40 2.5 — Lab Sample ID: 240-223060-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.43	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	4.3		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 20/80 1.5 — Lab Sample ID: 240-223060-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.57	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	5.5		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 20/80 2.5 — Lab Sample ID: 240-223060-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.61	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	6.2		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 30/120 1.5 — Lab Sample ID: 240-223060-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.81	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	10		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 30/120 2.5 — Lab Sample ID: 240-223060-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.94	J	1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	10		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 50/240 1.5 — Lab Sample ID: 240-223060-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	1.3		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	17		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 50/240 2.5 — Lab Sample ID: 240-223060-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	1.4		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	19		1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 80/480 1.5 — Lab Sample ID: 240-223060-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	2.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	47		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: SB24 80/480 2.5 — Lab Sample ID: 240-223060-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	2.2		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	48		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 750 1.5 — Lab Sample ID: 240-223060-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	37		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	3.7		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 750 2 — Lab Sample ID: 240-223060-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	2.7		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	0.28	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 1000 1.5 — Lab Sample ID: 240-223060-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	47		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	2.9		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: BE 1000 2 — Lab Sample ID: 240-223060-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	4.7		1.0	0.27	ug/L	1		6020B	Dissolved
Cobalt	0.27	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WA18 CTRL 1.5 T0 — Lab Sample ID: 240-223060-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.24	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: WA18 CTRL 2.5 T0 — Lab Sample ID: 240-223060-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.25	J	1.0	0.086	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: WA18 CTRL 1.5 T7
Lab Sample ID: 240-223060-1
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:33	1
Cobalt	**0.31**	**J**	1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:33	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: WA18 CTRL 2.5 T7
Lab Sample ID: 240-223060-2
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:35	1
Cobalt	**0.32**	**J**	1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:35	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 7/40 1.5
Lab Sample ID: 240-223060-3
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.40	J	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:38	1
Cobalt	3.8		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:38	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 7/40 2.5
Lab Sample ID: 240-223060-4
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.43	J	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:41	1
Cobalt	4.3		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:41	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 20/80 1.5
Lab Sample ID: 240-223060-5
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.57	J	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:43	1
Cobalt	5.5		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:43	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 20/80 2.5
Lab Sample ID: 240-223060-6
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.61	J	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:46	1
Cobalt	6.2		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:46	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 30/120 1.5
Lab Sample ID: 240-223060-7
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.81	J	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:49	1
Cobalt	10		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:49	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 30/120 2.5
Lab Sample ID: 240-223060-8
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.94	J	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:51	1
Cobalt	10		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:51	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 50/240 1.5
Lab Sample ID: 240-223060-9
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.3		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:54	1
Cobalt	17		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:54	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 50/240 2.5
Lab Sample ID: 240-223060-10
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	1.4		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:57	1
Cobalt	19		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:57	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 80/480 1.5
Lab Sample ID: 240-223060-11
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.2		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:05	1
Cobalt	47		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:05	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 80/480 2.5
Lab Sample ID: 240-223060-12
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.2		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:08	1
Cobalt	48		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:08	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: BE 750 1.5
Lab Sample ID: 240-223060-13
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	37		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:10	1
Cobalt	3.7		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:10	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: BE 750 2
Lab Sample ID: 240-223060-14
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	2.7		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:13	1
Cobalt	0.28	J	1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:13	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: BE 1000 1.5
Lab Sample ID: 240-223060-15
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	47		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:16	1
Cobalt	2.9		1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:16	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: BE 1000 2
Lab Sample ID: 240-223060-16
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.7		1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:18	1
Cobalt	0.27	J	1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:18	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: WA18 CTRL 1.5 T0
Lab Sample ID: 240-223060-17
Date Collected: 04/17/25 14:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:21	1
Cobalt	**0.24**	**J**	1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:21	1

Client Sample Results

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: WA18 CTRL 2.5 T0
Lab Sample ID: 240-223060-18
Date Collected: 04/17/25 14:00
Matrix: Water
Date Received: 04/25/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 22:24	1
Cobalt	**0.25**	**J**	1.0	0.086	ug/L		04/29/25 05:00	04/30/25 22:24	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-653817/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 654281
Prep Batch: 653817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		04/29/25 05:00	04/30/25 21:09	1
Cobalt	0.086	U	1.0	0.086	ug/L		04/29/25 05:00	04/30/25 21:09	1

Lab Sample ID: LCS 240-653817/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 654281
Prep Batch: 653817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	487		ug/L		97	80 - 120
Cobalt	500	497		ug/L		99	80 - 120

Metals

Prep Batch: 653817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223060-1	WA18 CTRL 1.5 T7	Dissolved	Water	3005A	
240-223060-2	WA18 CTRL 2.5 T7	Dissolved	Water	3005A	
240-223060-3	SB24 7/40 1.5	Dissolved	Water	3005A	
240-223060-4	SB24 7/40 2.5	Dissolved	Water	3005A	
240-223060-5	SB24 20/80 1.5	Dissolved	Water	3005A	
240-223060-6	SB24 20/80 2.5	Dissolved	Water	3005A	
240-223060-7	SB24 30/120 1.5	Dissolved	Water	3005A	
240-223060-8	SB24 30/120 2.5	Dissolved	Water	3005A	
240-223060-9	SB24 50/240 1.5	Dissolved	Water	3005A	
240-223060-10	SB24 50/240 2.5	Dissolved	Water	3005A	
240-223060-11	SB24 80/480 1.5	Dissolved	Water	3005A	
240-223060-12	SB24 80/480 2.5	Dissolved	Water	3005A	
240-223060-13	BE 750 1.5	Dissolved	Water	3005A	
240-223060-14	BE 750 2	Dissolved	Water	3005A	
240-223060-15	BE 1000 1.5	Dissolved	Water	3005A	
240-223060-16	BE 1000 2	Dissolved	Water	3005A	
240-223060-17	WA18 CTRL 1.5 T0	Dissolved	Water	3005A	
240-223060-18	WA18 CTRL 2.5 T0	Dissolved	Water	3005A	
MB 240-653817/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-653817/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 654281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-223060-1	WA18 CTRL 1.5 T7	Dissolved	Water	6020B	653817
240-223060-2	WA18 CTRL 2.5 T7	Dissolved	Water	6020B	653817
240-223060-3	SB24 7/40 1.5	Dissolved	Water	6020B	653817
240-223060-4	SB24 7/40 2.5	Dissolved	Water	6020B	653817
240-223060-5	SB24 20/80 1.5	Dissolved	Water	6020B	653817
240-223060-6	SB24 20/80 2.5	Dissolved	Water	6020B	653817
240-223060-7	SB24 30/120 1.5	Dissolved	Water	6020B	653817
240-223060-8	SB24 30/120 2.5	Dissolved	Water	6020B	653817
240-223060-9	SB24 50/240 1.5	Dissolved	Water	6020B	653817
240-223060-10	SB24 50/240 2.5	Dissolved	Water	6020B	653817
240-223060-11	SB24 80/480 1.5	Dissolved	Water	6020B	653817
240-223060-12	SB24 80/480 2.5	Dissolved	Water	6020B	653817
240-223060-13	BE 750 1.5	Dissolved	Water	6020B	653817
240-223060-14	BE 750 2	Dissolved	Water	6020B	653817
240-223060-15	BE 1000 1.5	Dissolved	Water	6020B	653817
240-223060-16	BE 1000 2	Dissolved	Water	6020B	653817
240-223060-17	WA18 CTRL 1.5 T0	Dissolved	Water	6020B	653817
240-223060-18	WA18 CTRL 2.5 T0	Dissolved	Water	6020B	653817
MB 240-653817/1-A	Method Blank	Total Recoverable	Water	6020B	653817
LCS 240-653817/2-A	Lab Control Sample	Total Recoverable	Water	6020B	653817

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: WA18 CTRL 1.5 T7
Lab Sample ID: 240-223060-1
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:33

Client Sample ID: WA18 CTRL 2.5 T7
Lab Sample ID: 240-223060-2
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:35

Client Sample ID: SB24 7/40 1.5
Lab Sample ID: 240-223060-3
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:38

Client Sample ID: SB24 7/40 2.5
Lab Sample ID: 240-223060-4
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:41

Client Sample ID: SB24 20/80 1.5
Lab Sample ID: 240-223060-5
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:43

Client Sample ID: SB24 20/80 2.5
Lab Sample ID: 240-223060-6
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:46

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Client Sample ID: SB24 30/120 1.5
Lab Sample ID: 240-223060-7
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:49

Client Sample ID: SB24 30/120 2.5
Lab Sample ID: 240-223060-8
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:51

Client Sample ID: SB24 50/240 1.5
Lab Sample ID: 240-223060-9
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:54

Client Sample ID: SB24 50/240 2.5
Lab Sample ID: 240-223060-10
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 21:57

Client Sample ID: SB24 80/480 1.5
Lab Sample ID: 240-223060-11
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:05

Client Sample ID: SB24 80/480 2.5
Lab Sample ID: 240-223060-12
Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:08

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Project/Site: Plant Wansley

Job ID: 240-223060-1

Client Sample ID: BE 750 1.5

Lab Sample ID: 240-223060-13

Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:10

Client Sample ID: BE 750 2

Lab Sample ID: 240-223060-14

Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:13

Client Sample ID: BE 1000 1.5

Lab Sample ID: 240-223060-15

Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:16

Client Sample ID: BE 1000 2

Lab Sample ID: 240-223060-16

Date Collected: 04/24/25 13:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:18

Client Sample ID: WA18 CTRL 1.5 T0

Lab Sample ID: 240-223060-17

Date Collected: 04/17/25 14:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:21

Client Sample ID: WA18 CTRL 2.5 T0

Lab Sample ID: 240-223060-18

Date Collected: 04/17/25 14:00
Matrix: Water
Date Received: 04/25/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			653817	BN	EET CLE	04/29/25 05:00
Dissolved	Analysis	6020B		1	654281	S4FJ	EET CLE	04/30/25 22:24

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-223060-1
Project/Site: Plant Wansley

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:	COC No:
SiREM	Email: jsmith@siremlab.com	Lab Contact:	Carrier:	1 of 1 COCs
180B Market Place Blvd	Tel/Fax: 865-236-2696			TALS Project #:
Knoxville, TN 37922	Analysis Turnaround Time			Sampler: HB
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Plant Wansley	☐ 2 weeks			Lab Sampling:
Site:	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020B Dissolved - Co, Be	Sample Specific Notes:
WA18 Ctrl 1.5 T7	4/23/25	1300	G	W	1	Y	Y	X	All samples have been filtered
WA18 Ctrl 2.5 T7	4/23/25	1300	G	W	1	Y	Y	X	
SB24 7/40 1.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 7/40 2.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 20/80 1.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 20/80 2.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 30/120 1.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 30/120 2.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 50/240 1.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 50/240 2.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 80/480 1.5	4/23/25	1300	G	W	1	Y	Y	X	
SB24 80/480 2.5	4/23/25	1300	G	W	1	Y	Y	X	
								4	

240-223060 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

	Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
1	[signature]	SiREM	4-24-25 1400	[signature]	EC	4-25-25 930
2	Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
3	Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins Canton
180 S. Van Buren Ave

Barberton, OH 44203-3543
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Eurofins Environment Testing America

Client Contact	Project Manager: Jacques Smith	Site Contact:	Date:	COC No:
SiREM	Email: jsmith@siremlab.com	Lab Contact:	Carrier:	1 of 2 COCs
180B Market Place Blvd	Tel/Fax: 865-236-2696			TALS Project #:
Knoxville, TN 37922	**Analysis Turnaround Time**			Sampler: HB
865-330-0037	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
(xxx) xxx-xxxx FAX	TAT if different from Below _____			Walk-in Client:
Project Name: Plant Wansley	☐ 2 weeks			Lab Sampling:
Site:	☐ 1 week			Job / SDG No.:
P O #	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6020B Dissolved - Co, Be	Sample Specific Notes:
Be 750 1.5	4/24/25 KC	1300	G	W	1	Y	Y	X	All samples have been filtered
Be 750 2	4/23/25	1300	G	W	1	Y	Y	X	
Be 1000 1.5	4/23/25	1300	G	W	1	Y	Y	X	
Be 1000 2	4/23/25	1300	G	W	1	Y	Y	X	
WA18 Ctrl 1.5 T0	4/17/25	1400	G	W	1	Y	Y	X	
WA18 Ctrl 2.5 T0	4/17/25	1400	G	W	1	Y	Y	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								4	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

Relinquished by: KMcMichael	Company: SiREM	Date/Time: 4-24-25 1600	Received by:	Company: EE	Date/Time: 4-25-25 930
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**
Barberton Facility

Client Sirem Site Name

Cooler unpacked by:

Cooler Received on 4-25-25 Opened on 4-25-25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp 2.9 °C Corrected Cooler Temp 3.4 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18 CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen

4/25/2025

Login Container Summary Report

240-223060

5/1/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
WA18 CTRL 1 5 T7	240-223060-A-1	Plastic 250ml - w/nitric - dis	<2			
WA18 CTRL 2 5 T7	240-223060-A-2	Plastic 250ml - w/nitric - dis	<2			
SB24 7/40 1 5	240-223060-A-3	Plastic 250ml - w/nitric - dis	<2			
SB24 7/40 2 5	240-223060-A-4	Plastic 250ml - w/nitric - dis	<2			
SB24 20/80 1 5	240-223060-A-5	Plastic 250ml - w/nitric - dis	<2			
SB24 20/80 2 5	240-223060-A-6	Plastic 250ml - w/nitric - dis	<2			
SB24 30/120 1.5	240-223060-A-7	Plastic 250ml - w/nitric - dis	<2			
SB24 30/120 2 5	240-223060-A-8	Plastic 250ml - w/nitric - dis	<2			
SB24 50/240 1 5	240-223060-A-9	Plastic 250ml - w/nitric - dis	<2			
SB24 50/240 2 5	240-223060-A-10	Plastic 250ml - w/nitric - dis	<2			
SB24 80/480 1 5	240-223060-A-11	Plastic 250ml - w/nitric - dis	<2			
SB24 80/480 2.5	240-223060-A-12	Plastic 250ml - w/nitric - dis	<2			
BE 750 1 5	240-223060-A-13	Plastic 250ml - w/nitric - dis	<2			
BE 750 2	240-223060-A-14	Plastic 250ml - w/nitric - dis	<2			
BE 1000 1 5	240-223060-A-15	Plastic 250ml - w/nitric - dis	<2			
BE 1000 2	240-223060-A-16	Plastic 250ml - w/nitric - dis	<2			
WA18 CTRL 1 5 T0	240-223060-A-17	Plastic 250ml - w/nitric - dis	<2			
WA18 CTRL 2 5 T0	240-223060-A-18	Plastic 250ml - w/nitric - dis	<2			

ORIGIN ID:RKWA (865) 291-4718
SIREM KNOXVILLE
GEOSYNTEC CONSULTANTS
1808 MARKET PLACE BLVD.
KNOXVILLE, TN 37922
UNITED STATES US

SHIP DATE: 24APR25
ACTWGT: 15.00 LB
CAD: 102598124/INET4535

BILL SENDER

TO EUROFINS TESTAMERICA
EUROFINS TEST AMERICA
180 SOUTH VAN BUREN AVE
BARBERTON OH 44203

(330) 497-9396 REF: SIREMLABUS
INV: 8151
PO: C1
DEPT: 02

240-223060 Waybi

58CJ/111804/C624

FedEx Express

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FRI - 25 APR 10:30A
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eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Jacques Smith
SiREM, div of Geosyntec Consultants
180A Market Place Blvd
Knoxville, Tennessee 37922

Generated 5/29/2025 11:18:41 AM

JOB DESCRIPTION

Plant Wansley

JOB NUMBER

240-225189-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Roxanne Cisneros

Generated
5/29/2025 11:18:41 AM

Authorized for release by
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roxanne.cisneros@et.eurofinsus.com
(330)497-9396

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Definitions/Glossary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 240-225189-1 — Eurofins Cleveland

Job Narrative
240-225189-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/23/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-225189-1	pH_5 1	Water	05/21/25 12:00	05/23/25 09:30
240-225189-2	pH_5 2	Water	05/21/25 12:00	05/23/25 09:30
240-225189-3	NORMAL 1	Water	05/21/25 12:00	05/23/25 09:30
240-225189-4	NORMAL 2	Water	05/21/25 12:00	05/23/25 09:30

Detection Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Client Sample ID: pH_5 1 — Lab Sample ID: 240-225189-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.3		1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: pH_5 2 — Lab Sample ID: 240-225189-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.82	J	1.0	0.086	ug/L	1		6020B	Dissolved

Client Sample ID: NORMAL 1 — Lab Sample ID: 240-225189-3

No Detections.

Client Sample ID: NORMAL 2 — Lab Sample ID: 240-225189-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Client Sample ID: pH_5 1
Lab Sample ID: 240-225189-1
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		05/27/25 14:00	05/28/25 17:55	1
Cobalt	**1.3**		1.0	0.086	ug/L		05/27/25 14:00	05/28/25 17:55	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Client Sample ID: pH_5 2
Lab Sample ID: 240-225189-2
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		05/27/25 14:00	05/28/25 17:58	1
Cobalt	**0.82**	**J**	1.0	0.086	ug/L		05/27/25 14:00	05/28/25 17:58	1

Client Sample Results

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Client Sample ID: NORMAL 1
Lab Sample ID: 240-225189-3
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		05/27/25 14:00	05/28/25 18:00	1
Cobalt	0.086	U	1.0	0.086	ug/L		05/27/25 14:00	05/28/25 18:00	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Client Sample ID: NORMAL 2
Lab Sample ID: 240-225189-4
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		05/27/25 14:00	05/28/25 18:03	1
Cobalt	0.086	U	1.0	0.086	ug/L		05/27/25 14:00	05/28/25 18:03	1

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 240-657476/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 657754
Prep Batch: 657476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	U	1.0	0.27	ug/L		05/27/25 14:00	05/28/25 17:23	1
Cobalt	0.086	U	1.0	0.086	ug/L		05/27/25 14:00	05/28/25 17:23	1

Lab Sample ID: LCS 240-657476/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 657754
Prep Batch: 657476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	500	474		ug/L		95	80 - 120
Cobalt	500	464		ug/L		93	80 - 120

QC Association Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Metals

Prep Batch: 657476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225189-1	pH_5 1	Dissolved	Water	3005A	
240-225189-2	pH_5 2	Dissolved	Water	3005A	
240-225189-3	NORMAL 1	Dissolved	Water	3005A	
240-225189-4	NORMAL 2	Dissolved	Water	3005A	
MB 240-657476/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-657476/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 657754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-225189-1	pH_5 1	Dissolved	Water	6020B	657476
240-225189-2	pH_5 2	Dissolved	Water	6020B	657476
240-225189-3	NORMAL 1	Dissolved	Water	6020B	657476
240-225189-4	NORMAL 2	Dissolved	Water	6020B	657476
MB 240-657476/1-A	Method Blank	Total Recoverable	Water	6020B	657476
LCS 240-657476/2-A	Lab Control Sample	Total Recoverable	Water	6020B	657476

Lab Chronicle

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Client Sample ID: pH_5 1
Lab Sample ID: 240-225189-1
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			657476	MN7X	EET CLE	05/27/25 14:00
Dissolved	Analysis	6020B		1	657754	S4FJ	EET CLE	05/28/25 17:55

Client Sample ID: pH_5 2
Lab Sample ID: 240-225189-2
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			657476	MN7X	EET CLE	05/27/25 14:00
Dissolved	Analysis	6020B		1	657754	S4FJ	EET CLE	05/28/25 17:58

Client Sample ID: NORMAL 1
Lab Sample ID: 240-225189-3
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			657476	MN7X	EET CLE	05/27/25 14:00
Dissolved	Analysis	6020B		1	657754	S4FJ	EET CLE	05/28/25 18:00

Client Sample ID: NORMAL 2
Lab Sample ID: 240-225189-4
Date Collected: 05/21/25 12:00
Matrix: Water
Date Received: 05/23/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3005A			657476	MN7X	EET CLE	05/27/25 14:00
Dissolved	Analysis	6020B		1	657754	S4FJ	EET CLE	05/28/25 18:03

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: SiREM, div of Geosyntec Consultants
Job ID: 240-225189-1
Project/Site: Plant Wansley

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
North Dakota	State	R-244	02-27-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

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Client Information	Sampler: Helen Barbee	Lab PM: Cisneros, Roxanne	Carrier Tracking No(s):	COC No: 240-127142-44259.2
Client Contact: Sydne Spinella	Phone:	E-Mail: roxanne.cisneros@et.eurofinsus.com	State of Origin:	Page: Page 2 of 4
Company: Sirem, div of Geosyntec Consultants	PWSID:			Job #:
Address: 180A Market Place Blvd	Due Date Requested:			
City: Knoxville	TAT Requested (days):			
State, Zip: TN, 37922	Compliance Project: Δ Yes Δ No			
Phone: 865-330-0037(Tel)	PO #: 2.01.8151			
Email: Sydne.Spinella@Siremlab.com	WO #:			
Project Name: Water \ Soil Testing	Project #: 24028249			
Site: Plant Wansley	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
D - HNO3
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	[redacted]	6020B - Dissolved Be & Co (FF)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
pH_5 1	5-21-25	1200	G	Water	Y	Y	X		
pH_5 2	5-21-25	1200	G	Water	Y	Y	X		
Normal 1	5-21-25	1200	G	Water	Y	Y	X		
Normal 2	5-21-25	1200	G	Water	Y	Y	X		
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					

240-225189 COC

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Helen Barbee	5-22-25 / 1500	SIREM	MALISSA LOAR	5-23-25 9:30	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client SIREM, div of GeoSyntec Site Name _____ Cooler unpacked by MELISSA LOAR

Cooler Received on 5.23.25 Opened on 5.23.25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 13 (CF +0.5 °C) Observed Cooler Temp. 4.4 °C Corrected Cooler Temp 4.9 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC463162
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by: MC

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container

Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen _____

5/23/2025

Login Container Summary Report

240-225189

5/29/2025

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
PH_5 1	240-225189-A-1	Plastic 250ml - w/nitric - dis	<2			
PH_5 2	240-225189-A-2	Plastic 250ml - w/nitric - dis	<2			
NORMAL 1	240-225189-A-3	Plastic 250ml - w/nitric - dis	<2			
NORMAL 2	240-225189-A-4	Plastic 250ml - w/nitric - dis	<2			

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SIREM KNOXVILLE
GEOSYNTEC CONSULTANTS
180B MARKET PLACE BLVD.

KNOXVILLE, TN 37922
UNITED STATES US

SHIP DATE: 22MAY25
ACTWGT: 20.00 LB
CAD: 102598124/INET4535

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TO EUROFINS ENV TESTING N. CENTRAL
EUROFINS ENV TESTING N. CENTRAL
180 SOUTH VAN BUREN AVE

BARBERTON OH 44203
(330) 497-9396 REF: SIREMLABUS
INV: 01
PO: 02 DEPT: 8151

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After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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