REPORT

2025 Semi-Annual Groundwater Monitoring and Corrective Action Report

Georgia Power Company - Plant Scherer Ash Pond 1

Submitted to:

Georgia Power Company

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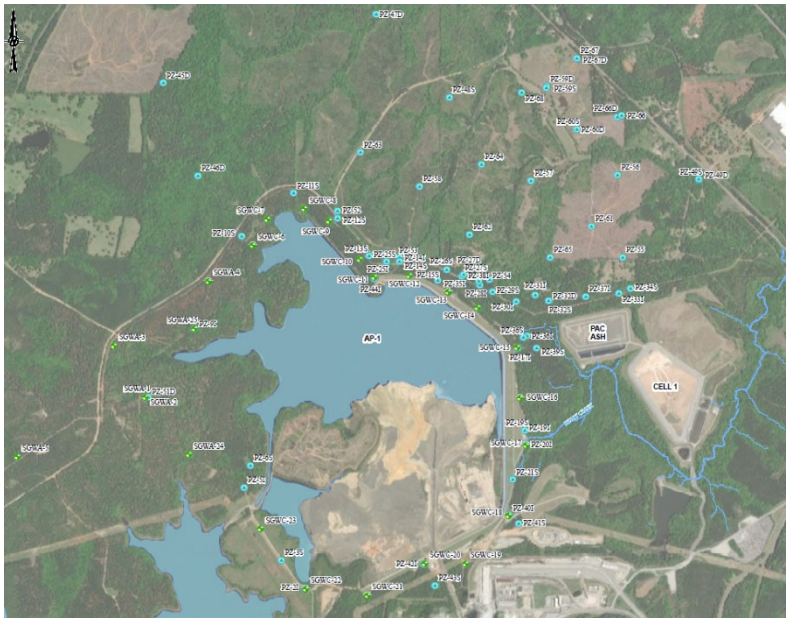
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SUMMARY

This *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company - Plant Scherer Ash Pond 1 (AP-1), Juliette, Monroe County, Georgia (GA), was prepared to document groundwater monitoring activities from January 1 through June 30, 2025 for AP-1. Groundwater monitoring and reporting for AP-1 is performed by WSP USA Inc. (WSP) in accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule published in the Code of Federal Regulations (CFR) Title 40 Part 257 (40 CFR Part 257, Subpart D) dated April 17, 2015, and revised July 2018, 40 CFR § 257.90 through § 257.98. As required in 40 CFR § 257.90(e), this semi-annual report describes the status of the groundwater monitoring program, summarizes key actions completed, and presents projected key activities for the upcoming reporting period at AP-1. Other CCR Landfill units on-site at Plant Scherer (Cell 1 and PAC Ash Cell) are reported separately.

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. The property occupies approximately 13,000 acres and is bounded on the south by Lake Juliette. The planned closure of the AP-1 unit includes consolidation and capping of the ash within the 550-acre unit to a smaller footprint covering approximately 300 acres.



Plant Scherer Ash Pond 1

Groundwater at AP-1 is monitored with a comprehensive well network system comprised of upgradient and downgradient wells that meets federal and state monitoring requirements. Routine sampling and reporting for AP-1 began after background groundwater conditions were established for Appendix III and IV constituents between 2016 and 2018. Based on groundwater conditions at the Site, an assessment monitoring program was established for AP-1 in accordance with § 257.95 on May 15, 2018.

During the 2025 semi-annual reporting period, AP-1 remained in assessment monitoring. Groundwater elevation measurements were recorded at AP-1 monitoring wells within a 24-hour period prior to each sampling event. The elevation data were used to confirm the groundwater flow direction, and to confirm that the groundwater monitoring well network for the CCR unit effectively monitors groundwater downgradient of the unit.

The groundwater semi-annual monitoring event for AP-1 was conducted in February 2025. Groundwater samples were collected and analyzed for both Appendix III and Appendix IV constituents from each of the Site monitoring wells. Two piezometers (PZ-70 and PZ-71) were installed in June 2025 to delineate horizontal and vertical extent of cobalt at well SGWC-14. Sample collection at these locations will begin during the 2025 second semi-annual event.

Analytical data from the February 2025 monitoring event has been statistically analyzed in accordance with the Site's certified statistical analysis method. For the February 2025 semi-annual monitoring event, statistical analyses indicate statistically significant increases (SSIs) above the prediction limit and statistically significant levels (SSLs) above the groundwater protection standard for specific Appendix III and Appendix IV constituents as summarized below. The AP-1 network remains in assessment monitoring.

Appendix III Constituent	Prediction Limit SSIs, February 2025
Boron	SGWC-9, SGWC-10, SGWC-11, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23
Calcium	SGWC-8, SGWC-9, SGWC-12, SGWC-13, SGWC-14, SGWC-17, SGWC-18, SGWC-19, SGWC-21, SGWC-22
Chloride	SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-19, SGWC-21, SGWC-22, SGWC-23
Fluoride	SGWC-7
pH	SGWC-15, SGWC-18, SGWC-20
Sulfate	SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23
TDS	SGWC-8, SGWC-9, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22
Appendix IV Constituent	**Confidence Interval SSLs, February 2025**
Cobalt	SGWC-10, SGWC-11, SGWC-14, SGWC-15, SGWC-18, SGWC-20

In response to the SSLs of cobalt, Georgia Power initiated an assessment of corrective measures (ACM) on November 18, 2021, and prepared an ACM Report on April 15, 2022. Georgia Power will continue through the ACM evaluation following the timelines and requirements of Georgia (GA) Environmental Protection Division (EPD) Rules of Solid Waste Management 391-3-4-.10 (Georgia CCR Rule) and 40 CFR § 257.96. Pursuant to the requirements of § 257.96 a semi-annual report on the progress of remedy selection has been documented herein.

Based on review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program during the 2025 semi-annual reporting period, the Site will remain in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to GA EPD semi-annually.

Table of Contents

CERTIFICATION ..... **vii**

1.0 INTRODUCTION **1**

1.1 Site Description and Background 1

1.2 Regional and Site Geology and Hydrogeologic Setting 2

1.3 Groundwater Monitoring Well Network 3

2.0 GROUNDWATER MONITORING ACTIVITIES **3**

2.1 Monitoring Well Installation and Maintenance 3

2.2 Assessment Monitoring 3

2.3 Supplemental Sampling 4

3.0 SAMPLE METHODOLOGY AND ANALYSIS **4**

3.1 Groundwater Level Measurements 4

3.2 Groundwater Gradient and Flow Velocity 4

3.3 Groundwater Sampling 5

3.4 Laboratory Analyses 6

3.5 Quality Assurance and Quality Control Summary 6

4.0 STATISTICAL ANALYSES **6**

4.1 Statistical Method 6

4.1.1 Appendix III Statistical Methods 7

4.1.2 Appendix IV Assessment Monitoring Statistical Methods 7

4.2 Statistical Analysis Results 8

4.2.1 First Semi-Annual 2025 – Appendix III Statistical Results 8

4.2.2 First Semi-Annual 2025 – Assessment Monitoring Statistical Results 8

4.2.3 First Semi-Annual 2025 Trend Evaluation 8

5.0 ASSESSMENT MONITORING AND DELINEATION STATUS **8**

5.1 Cobalt Concentrations and Trends 9

6.0 ASSESSMENT OF CORRECTIVE MEASURES **10**

7.0 MONITORING PROGRAM STATUS 10

8.0 CONCLUSIONS AND FUTURE ACTIONS 10

9.0 REFERENCES 11

Tables

Table 1: Summary of Monitoring Well, Assessment Well and Piezometer Construction Data

Table 2: Groundwater Sampling Event Summary

Table 3: Summary of Groundwater Elevations

Table 4: Groundwater Flow Velocity Calculations – February 2025

Table 5: Groundwater Analytical Data Summary – February 2025

Table 6: Summary of Background Levels and GWPS

Figures

Figure 1: Site Location Map

Figure 2: Site Plan, Monitoring Well and Piezometer Location Map

Figure 3: Potentiometric Surface Map – February 18, 2025

Table of Contents - continued

Appendices

Appendix A: Field Data Forms and Instrument Calibration Records

Appendix B: Analytical Results, Data Validation Summaries, and Laboratory Accreditation

Appendix C: Well Condition Assessment Forms and Well Maintenance and Repair Documentation Memorandum

Appendix D: Statistical Analyses

Appendix E: Semi-Annual Remedy Selection and Design Progress Report

Appendix F: Piezometer (PZ-70 and PZ-71) Installation Report

Certification

This *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Plant Scherer 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 WSP USA, 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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1.0 INTRODUCTION

In accordance with the United States (US) Environmental Protection Agency (EPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D and the Georgia (GA) Environmental Protection Division (EPD) Rules of Solid Waste Management 391-3-4-.10 (Georgia CCR Rule), WSP USA Inc. (WSP) has prepared this Semi-*Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities performed from January to June 2025 at Georgia Power's Plant Scherer (Scherer) Ash Pond 1 (AP-1, Site). This report includes the results of the first semi-annual monitoring event conducted in February 2025. For ease of reference, the US EPA CCR Rule is cited within this report.

Due to statistically significant increases (SSIs) of Appendix III parameters, Georgia Power initiated an assessment monitoring program for AP-1 in 2018. An Alternate Source Demonstration (ASD) was submitted to GA EPD on January 14, 2019, to address statistically significant levels (SSLs) of cobalt identified at wells SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20. Following review of the ASD report, GA EPD issued a notice of non-concurrence, dated August 2021, which acknowledged that cobalt is naturally occurring in groundwater but required additional lines of evidence for approval. Following receipt of GA EPD's notice, Georgia Power initiated an assessment of corrective measures (ACM) on November 18, 2021. Georgia Power is performing an ACM following the timelines and requirements of Georgia CCR Rule 391-3-4-.10(6)(a) and 40 CFR § 257.96. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater at AP-1 in accordance with the assessment monitoring program established for the unit in 2018, including semi-annual monitoring and reporting.

The following sections describe the Site setting and monitoring program, analytical data collected from the most recent sampling events, statistical analysis of the data, a description of groundwater flow direction and rate, and a discussion of the current findings with relevant conclusions and recommendations for future monitoring activities at the Site.

1.1 Site Description and Background

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. The Plant Scherer property occupies approximately 13,000 acres and is bounded on the south by Lake Juliette. The Plant is primarily surrounded by agricultural and residential use. Figure 1 depicts the location of Plant Scherer relative to the surrounding area.

CCR produced from power generation has historically been stored in AP-1. Figure 2 depicts the general configuration of AP-1 and Site monitoring wells. As of 2019, AP-1 no longer received CCR and as of October 30, 2020, AP-1 no longer received non-CCR waste streams. A permit application for closure of AP-1 was submitted to GA EPD, last updated in October 2022, and is currently under review.

Plant Scherer is located within the Piedmont Physiographic Province of central Georgia, which is characterized by gently rolling hills and narrow valleys, with locally pronounced linear ridges. Overall, the property slopes gently south toward Lake Juliette and east toward the Ocmulgee River (Figure 1). AP-1 is located on a topographically high area, with several relatively small, intermittent, and perennial creeks and streams surrounding the pond. Several isolated hilltops occur west of the pond and represent topographic high points on the Site. Topographic relief across the Site is greater than 200 feet, with a natural topographic high of over 570 feet above North American Vertical Datum of 1988 (feet NAVD 88) occurring along the ridge west of AP-1, and a topographic low of less than 380 feet NAVD 88 in the eastern portion of the Site near Berry Creek.

1.2 Regional and Site Geology and Hydrogeologic Setting

The following section includes a general description of regional geologic and hydrogeologic characteristics of formations that occur beneath the Site. Information presented in this section is based on published literature, discussion with local geologic experts, and experience working in this geologic terrain. The *Hydrogeologic Assessment Report* (WSP 2024a) provides further details.

Plant Scherer is located within the center of the East Juliette, GA US Geological Survey (USGS) 7.5-minute topographic quadrangle. The Piedmont/Blue Ridge geologic province contains some of the oldest rocks in the Southeastern US. Since their origin, approximately 276 to 1,100 million years ago (Ma), these late Precambrian (Neoproterozoic) to late Paleozoic (Permian) rocks have undergone repeated cycles of igneous intrusions and extrusions, metamorphism, folding, faulting, shearing, and silicification. The latest regional metamorphism and associated deformation has been attributed to the collision of the North America plate with the Eurasian plate approximately 200 to 230 Ma. Later deformation and emplacement of mafic dikes is associated with the rifting of the North American craton during the Mesozoic and Cenozoic Eras.

The metamorphic and igneous rocks that underlie the area have been subjected to physical and chemical weathering, which has created a landscape dissected by creeks and streams forming a dendritic drainage pattern. These rocks are deeply weathered due to the humid climate and bedrock is typically overlain by a variably thick blanket of residual soils and saprolite. The overall depth of weathering in the Piedmont/Blue Ridge is generally about 20 to 60 feet; however, the depth of weathering along discontinuities and/or very feldspathic rock units may extend to depths greater than 100 feet. Because of such variations in rock types and structure, the depth of weathering can vary significantly over short horizontal distances.

Locally, boring logs and monitoring/piezometer installation logs were used to evaluate the hydrostratigraphy of the Site. Material types identified included residual soils, saprolitic soils, saprolitic rock (or partially weathered rock if blow counts were provided), transitionally weathered rock; all of which are referred to as overburden overlying the competent bedrock below. Residual and soils, primarily sandy silt, silty sand, sandy clay, and silty clay occur as a variably thick blanket overlying bedrock across most of the Site. The thickness of the soil encountered in the borings is variable, ranging from little to no soil where outcrop is encountered at the surface, to as much at 168 feet. Thickness of saprolitic soils /or saprolitic rock are also variable across the Site. The saturated thickness of the overburden material ranges from 2 feet to over 40 feet.

Based on a review of boring and well construction logs, the screen sections and filter pack intervals for most of the piezometers and monitoring wells installed at the Site are located within the overburden. Based on groundwater elevations, groundwater generally flows from the west and northwest towards AP-1 and then radially (following topography) away from the ridge to the northeast and east, southeast, and south and southwesterly directions across the Site. This groundwater flow pattern is consistent with historical observations. The direction and gradient of topography and groundwater surface suggests and supports an unconfined, phreatic or water table aquifer generally within the overburden.

Field hydraulic conductivity tests (i.e., slug tests) performed in a variety of geologic materials on site indicate an average horizontal hydraulic conductivity of 2.27 feet/day (ft/day), and a median of 1.29 ft/day (WSP, 2024a). This hydraulic conductivity is generally consistent with regional measurements within Piedmont overburden (Heath, 1982).

1.3 Groundwater Monitoring Well Network

A groundwater monitoring system was installed within the uppermost aquifer at Plant Scherer AP-1 in accordance with § 257.91 (Golder, 2018). The monitoring system is intended to monitor groundwater passing the waste boundary of AP-1 within the uppermost aquifer. Wells are located upgradient and downgradient of AP-1 based on groundwater flow direction inferred from the potentiometric surface elevation contour maps. A network of 25 wells was installed for groundwater monitoring near AP-1. Table 1 includes the pertinent construction details for the AP-1 monitoring well network at Plant Scherer.

A series of groundwater piezometers have also been installed at the Site for gauging groundwater elevations. Table 1 also includes pertinent construction details for the AP-1 piezometers. Landfill Cell 1 and PAC Ash Cell wells are discussed in a separate report. The detection monitoring well network has been certified by a Registered Professional Engineer in Georgia and notice of that certification has been placed in the Plant Scherer Operating Record.

2.0 GROUNDWATER MONITORING ACTIVITIES

In accordance with 40 CFR § 257.90(e), the following subsections describe monitoring-related activities performed during the 2025 monitoring period and presents the status of the monitoring program. Groundwater sampling was performed in accordance with 40 CFR § 257.93. Samples were collected from each well in the certified groundwater monitoring well system. The location of each of these monitoring wells is shown on Figure 2. Table 2 presents a summary of groundwater sampling event completed for AP-1 in February 2025. Field Data Forms and Instrument Calibration Forms for the first semi-annual event in 2025 are included in Appendix A. Analytical results, laboratory accreditation, and data validation summaries are included in Appendix B.

2.1 Monitoring Well Installation and Maintenance

There was no change to the detection groundwater monitoring system during this reporting period. Monitoring wells are inspected semi-annually to determine 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, monitoring wells were inspected, and necessary corrective actions were identified. The well condition inspection forms from each sampling event are also included in Appendix C.

Two piezometers (PZ-70 and PZ-71) were installed in June 2025 for delineation of cobalt near SGWC-14. Sample collection at these locations will begin during the 2025 second semi-annual event. An installation report has been submitted and is included in Appendix F (WSP, 2025b).

2.2 Assessment Monitoring

Pursuant to § 257.94(e)(3), an assessment monitoring program has been established for AP-1 at Plant Scherer based on statistically significant increases. A notice of assessment monitoring was placed in the Plant Scherer Operating Record on May 15, 2018.

The groundwater sampling events were conducted for AP-1 in February 2025. Samples were collected from each well in the certified monitoring network as well as those in the assessment monitoring network presented in Table 1. Table 2 presents a summary of groundwater sampling event completed for AP-1 and the status of the monitoring network.

During the February semi-annual sampling event, groundwater samples were collected for Appendix III and Appendix IV constituents. Results of the sampling activities conducted during first semi-annual 2025 are discussed in Section 5.0, and the data are presented in Appendix B.

Groundwater samples collected from the detection and assessment monitoring well networks in February 2025 were also analyzed for supplemental ions (magnesium, manganese, potassium, sodium, total and bicarbonate alkalinity, sulfide, and iron) to support the evaluation of corrective measures.

2.3 Supplemental Sampling

Additional monitoring as recommended by the Risk Evaluation Report (Wood, 2021) was also completed at Site piezometers PZ-25S and PZ-25I. The results are summarized in Table 5 and the laboratory reports are provided in Appendix B.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

Groundwater sampling events were conducted for AP-1 in February 2025. During the 2025 first semi-annual sampling event, groundwater samples were collected for Appendix III constituents and Appendix IV constituents along with supplemental ions from each detection and assessment monitoring wells. Results of sampling activities conducted in 2025 are presented in Appendix B.

3.1 Groundwater Level Measurements

Groundwater elevations were recorded on February 18, 2025 from Site monitoring wells and piezometers. Water levels from each of the monitoring events are provided in Table 3. Review of Table 3 shows an overall decrease in groundwater elevations between the February 2024 and February 2025 monitoring events. The decrease is consistent with seasonal water level changes associated with precipitation changes. The recorded water level data from the semi-annual monitoring event were used to develop a potentiometric surface elevation contour map as presented on Figure 3. The groundwater flow directions shown on Figure 3 are inferred from the potentiometric surface, indicating that groundwater generally flows from the west and northwest towards AP-1 and then radially (following topography) away from the ridge to the northeast and east, southeast and south, and southwesterly directions across the Site. This groundwater flow pattern is consistent with historical observations. The consistent correlation in direction and gradient of topography and groundwater surface suggests and supports an unconfined, phreatic or water table aquifer within the overburden.

3.2 Groundwater Gradient and Flow Velocity

Groundwater flow rates at the Site were calculated based on hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of the screened horizon. Based on available slug test data, an average hydraulic conductivity of approximately 2.27 feet per day and a median value of 1.29 feet per day (ft/day) are used in the flow calculations. The hydraulic gradient was calculated between well pairs shown on Table 4. An effective porosity of 0.2 was used based on the default values for effective porosity recommended by US EPA for a silty sand-type soil (US EPA, 1996).

Horizontal flow velocity was calculated using the commonly used derivative of Darcy's Law:

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

Where:

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

$K =$ Average Hydraulic Conductivity of the aquifer $\left(\frac{feet}{day}\right)$

$i =$ Horizontal hydraulic gradient $\left(\frac{feet}{feet}\right)$

$n_e =$ Effective porosity

Using this equation and groundwater elevation data from February 2025, horizontal groundwater velocities are calculated for various areas of the Site and are tabulated on Table 4.

As presented on Table 4, groundwater flow velocities across AP-1 range from approximately 0.05 feet/day (16 feet/year) to 0.24 feet/day (87 feet/year) in February 2025. These calculated groundwater velocities across AP-1 are consistent with historical calculations.

3.3 Groundwater Sampling

Groundwater samples were collected in accordance with § 257.93(a). Monitoring wells were purged and sampled using low-flow sampling procedures. Dedicated and/or non-dedicated peristaltic and low-flow pneumatic bladder pumps were used to purge and sample the wells. Non-dedicated equipment was decontaminated in accordance with US EPA Region 4 standard operating procedures (US EPA, 2020a). During purging of each well, field measurements of temperature, specific conductance, dissolved oxygen (DO), pH, and oxidation-reduction potential (ORP) were recorded using a SmarTroll® (an In-Situ® field instrument) or an Aqua TROLL 400 along with a separate turbidity meter to verify stabilization.

Groundwater samples were collected when the following general stabilization criteria were met:

- 0.1 standard units (S.U.) for pH
- 5% for specific conductance
- 0.2 milligrams per liter (mg/L) for DO or 10% if DO > 0.5 mg/L (whichever is greater)
- Turbidity less than 5 nephelometric turbidity units (NTU)

Field data and sampling notes for each monitoring well are recorded on field sampling forms, which contain a description of the sampling equipment, sampling method, purge rate, field observations, and depth to water measurements at each monitoring location. Deviations from stabilization criteria, if applicable, are identified on field sampling forms. Following well stabilization, unfiltered samples were collected directly into appropriately preserved, laboratory-supplied sample containers, placed in iced coolers, and submitted to the laboratory following standard chain-of-custody protocol. Field data forms ("Low-Flow Test Reports") generated directly from the SmarTroll® or Aqua TROLL 400, field sampling forms, and daily instrument calibration logs are included in Appendix A. Chain of-custody records are provided in Appendix B.

3.4 Laboratory Analyses

Groundwater samples were collected in February 2025. Because AP-1 is currently in assessment monitoring, groundwater samples from AP-1 detection and assessment monitoring wells were analyzed for Appendix III and Appendix IV monitoring parameters per 40 CFR Parts 257. Supplemental wells, PZ-25S and PZ-25I were analyzed for select parameters in February 2025. Groundwater samples were also analyzed for supplemental ions (magnesium, manganese, potassium, sodium, sulfide, total and bicarbonate alkalinity, and iron). Table 5 presents tabulated summaries of the February 2025 sampling results.

The required laboratory analyses were performed by Eurofins Environmental Testing (Eurofins) locations in St. Louis, Missouri and Savannah, Georgia. Eurofins is accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintain a NELAP certification for all parameters analyzed for this project. Groundwater data and chain of custody records for the monitoring event are presented in Appendix B.

3.5 Quality Assurance and Quality Control Summary

During each sampling event, quality assurance/quality control (QA/QC) samples are collected at a rate of at least one sample per every 10 samples. Equipment blanks (where non-dedicated sampling equipment is used), field blanks, and duplicate samples were also collected during each sampling event. QA/QC sample data were evaluated during data validation and are included in Appendix B.

A value followed by a "J" flag in tables and laboratory reports indicates that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (RL). The estimated value is positively identified but is below the lowest concentration that can be reliably quantified within specified limits of precision and accuracy under routine laboratory operating conditions.

Groundwater quality data in this report were independently validated in accordance with US EPA Region 4 Data Validation Standard Operating Procedures (US EPA, 2011), National Functional Guidelines for Inorganic Superfund Methods Data Review (US EPA, 2020b) US Department of Energy, Evaluation of Radiochemical Data Usability (Paar, 1997) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spikes/matrix spike duplicate recoveries and relative percent differences (RPDs), laboratory, and field duplicate RPDs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags were applied to the data per US EPA procedures and guidance. Data validation summary reports prepared by WSP are included in Appendix B. Flagged data identified in the statistical analysis reports are described in the following section. The validated data meet project objectives and the results are presented in Table 5.

4.0 STATISTICAL ANALYSES

Statistical analysis of Appendix III and Appendix IV groundwater monitoring data was performed pursuant to § 257.93-95 following the established statistical method for AP-1.

4.1 Statistical Method

The selected statistical method for AP-1 was developed in accordance with § 257.93(f) using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities*, Unified Guidance, US EPA 530/R-09-007 (Unified Guidance; US EPA March 2009). Sanitas Statistical Software (Sanitas™) was used to perform the statistical analyses of groundwater data. Sanitas™ is a decision-support software package that incorporates the

statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the Unified Guidance (US EPA, 2009). A summary table of the statistical results accompanies the prediction limits for Appendix III and confidence intervals for Appendix IV in Appendix D.

Based on a recent reevaluation by Groundwater Stats Consulting, the background data periods for cobalt at SGWA-1 and SGWA-25 have been truncated to exclude historical concentrations that are no longer representative of current background conditions. The revised background periods for statistical analyses of cobalt include data from October 15, 2018 through the most recent event (February 2025) at SGWA-1 and data from September 14, 2020 through the most recent event (February 2025) at SGWA-25. This truncation of the background data period for wells SGWA-1 and SGWA-25 has resulted in a lower GWPS.

4.1.1 Appendix III Statistical Methods

For Appendix III constituents, groundwater monitoring data was statistically evaluated using interwell prediction limits. The Sen's Slope/Mann Kendall trend test was also performed to evaluate concentrations over time and determine whether concentrations are statistically increasing, decreasing, or stabilizing.

4.1.2 Appendix IV Assessment Monitoring Statistical Methods

For the Assessment Monitoring Program (Appendix IV constituents), parametric tolerance limits were used to calculate site specific background limits from pooled upgradient well data for Appendix IV parameters with a target of 95% confidence and 95% coverage. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. 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).

As described in 40 CFR 257.95(h)(1-3), adopted in GA EPD Rule 391-3-4-.10(6)(a) the GWPS is:

- The maximum contaminant level (MCL) established under 40 CFR §§ 141.62 and 141.66;
- Where an MCL has not been established, the Federal rule specified limits specified for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), or molybdenum (0.100 mg/L); or
- The respective background level for a constituent when the background level is higher than the MCL or rule-identified GWPS.

Consistent with applicable regulatory requirements, GWPS were established for statistical comparison of Appendix IV constituents. Table 6 summarizes the background limit established and the corresponding GWPS for each constituent.

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV parameters in each downgradient well. Those confidence intervals were compared to the GWPS established per both the State and Federal rules. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to be above its respective standard and to be an SSL.

Tolerance limits for confidence interval calculations are updated to include current data for each of the events. Due to varying reporting limits in background samples, the most recent reporting limit is used when a result is below detection limits.

4.2 Statistical Analysis Results

Analytical data from the first semi-annual monitoring event conducted in February 2025 have been statistically analyzed in accordance with the Statistical Analysis Plan for AP-1. The statistical results of the February 2025 monitoring event are included in Appendix D.

4.2.1 First Semi-Annual 2025 – Appendix III Statistical Results

Based on statistical results presented in Appendix D, SSIs of boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS) at various wells were identified following the February 2025 semi-annual monitoring event. A detailed list of the noted SSIs is provided in Appendix D. Based on review of the Appendix III statistical analyses results, assessment monitoring will continue pursuant to 40 CFR 257.94(f).

4.2.2 First Semi-Annual 2025 – Assessment Monitoring Statistical Results

Analytical data from the February 2025 monitoring event at AP-1 have been statistically analyzed in accordance with the certified statistical analysis method for AP-1. Review of the statistical results indicates the following SSLs above the GWPS established according to both 40 CFR § 257.95(h) and 391-3-4-.10(6)(a):

AP-1 Confidence Interval Statistically Significant Level Exceedances February 2025	
Appendix IV Parameter	**AP-1 Monitoring Well**
Cobalt	SGWC-10, SGWC-11, SGWC-14[1], SGWC-15, SGWC-18, and SGWC-20

Note:
[1] As a result of the lower GWPS calculated for cobalt, a new SSL of cobalt was identified at monitoring well SGWC-14. This well has been added to the assessment of corrective measures evaluation for the site.

4.2.3 First Semi-Annual 2025 Trend Evaluation

February 2025 results for cobalt were further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are significantly increasing or decreasing. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the Site which is an indication of natural variability in groundwater. Results of trend analyses for cobalt are presented in the February 2025 Statistical Package in Appendix D. Statistically significant trends were noted for the following well/constituent pairs:

Increasing Trends (Cobalt)	**Decreasing Trends (Cobalt)**
None	SGWA-1 (upgradient) SGWA-25 (upgradient), SGWC-11, SGWC-18, and SGWC-20

5.0 ASSESSMENT MONITORING AND DELINEATION STATUS

CCR compliance groundwater monitoring activities have been performed for AP-1 since September 2016 pursuant to the CCR rule. Georgia Power initiated an assessment monitoring program in May 2018 after identifying SSIs of Appendix III parameters in groundwater. Pursuant to § 257.95, samples were collected from the compliance monitoring wells and analyzed for Appendix IV constituents.

In accordance with Section 21.1.1 of the Unified Guidance (US EPA, 2009), four independent data points are the minimum population size recommended to construct confidence intervals required to assess SSLs for

Appendix IV constituents. For each of the detection and assessment monitoring wells, statistical analyses have been performed and are discussed above in Section 4.0 and included in Appendix D.

To characterize the nature and extent of cobalt SSLs, multiple piezometers have been installed and sampled at the Site (WSP, 2025a); refer to the table below for constituent delineation status. Specific details regarding the delineation status at AP-1, including isoconcentration contours for cobalt, are discussed in the *Semi-Annual Remedy Selection and Design Progress Report* (Appendix E).

Detection/Assessment Monitoring Well with SSL	Constituent of Concern	Vertical Delineation Well	Horizontal Delineation Well Location
SGWC-10	Cobalt	PZ-69I	PZ-13S
SGWC-11	Cobalt	PZ-44I	PZ-14S
SGWC-14	Cobalt	PZ-70 (pending results)	PZ-71 (pending results)
SGWC-15	Cobalt	PZ-17I	PZ-39S
SGWC-18	Cobalt	PZ-40I	PZ-41S
SGWC-20	Cobalt	PZ-42I	PZ-43S

Horizontal and vertical delineation is complete with the exception of well SGWC-14, based on review of analytical results, statistical analyses and the isoconcentration contours (Appendix E). Delineation wells PZ-70 and PZ-71 were installed on June 5, 2025 to support delineation at SGWC-14 and will be sampled during the 2025 second semi-annual monitoring event.

5.1 Cobalt Concentrations and Trends

Cobalt concentrations in groundwater at wells SGWC-10, and SGWC-11, are significantly lower than those at wells SGWC-15, SGWC-18, and SGWC-20. The chemical composition of groundwater at wells SGWC-10 and SGWC-11 is distinctly different than other wells showing SSLs for cobalt, Wells SGWC-10 and SGWC-11 are characterized by low concentrations of boron (< 0.1 mg/L) and other CCR indicator parameters such as chloride, sulfate, and total dissolved solids that are comparable to the upgradient concentrations at the Site. Groundwater pH at these wells is slightly higher than other wells exhibiting SSLs of cobalt. These wells are located near the diabase dike, which is generally known to host elevated concentrations of trace elements during the intrusion of magma into the country rock, and subsequent weathering upon interaction with acidic water can release the trace elements into the soil and groundwater. Cobalt concentrations in groundwater at SGWC-10 and SGWC-11 are either stable or show a decreasing trend, which would reflect a stable natural concentration trend of cobalt or decreasing concentration trend of low level cobalt due to changes in groundwater levels at the Site

Cobalt concentration in the new SSL well SGWC-14 is lower than SGWC-10 and SGWC-11. However, well SGWC-14 contains higher concentrations of boron and other CCR indicator parameters when compared to wells SGWC-10 and SGWC-11. The pH in SGWC-14 is intermediate between higher pH wells SGWC-10 and SGWC-11 and lower pH wells SGWC-15, 18, and 20.

In contrast to other wells showing SSL for cobalt, wells SGWC-15, SGWC-18, and SGWC 20 show higher concentrations of cobalt, elevated concentrations of TDS, and other indicator parameters, but have lower pH. Cobalt concentrations in groundwater at SGWC-18 and SGWC-20 show a statistically significant decreasing trend

over several years of monitoring. Elevated levels of cobalt at these locations are restricted to the overburden and localized zones as shown by detailed delineation drilling near these locations. Cobalt concentrations decrease vertically with depth and reach non-detect levels in the upper bedrock. Additionally, cobalt concentrations decrease below the GWPS in short distances laterally downgradient or upgradient from detection monitoring wells, SGWC-15, SGWC-18, and SGWC-20. Horizontal and vertical delineation for cobalt near SGWC-14 will be evaluated during the next reporting period.

In summary, the occurrence and distribution of cobalt in each of the six wells with SSLs of cobalt are likely derived from a natural source of cobalt as evident in the soil, rock, and groundwater chemistry data collected and reported for the Site. However, variability of the natural cobalt source and variability of groundwater pH in the vicinity of these wells appears to control the groundwater chemistry and distribution of cobalt in groundwater. Corrective action to increase the groundwater pH will likely be effective to lower the cobalt concentrations below the GWPS, particularly at wells SGWC-14, SGWC-15, SGWC-18, and SGWC-20.

6.0 ASSESSMENT OF CORRECTIVE MEASURES

On November 18, 2021, Georgia Power initiated the ACM for cobalt and documented the ACM report in the operating record on April 15, 2022. Georgia Power will complete the evaluation of ACM alternatives following the timelines and requirements of Rule 394-3-4-.10(6)(d)4 and § 257.96 and § 257.94(e)(3).

In accordance with 40 CFR § 257.97(a), a remedy selection progress report will be prepared and submitted concurrent with semi-annual groundwater monitoring reports to document results associated with additional data collection, and present progress toward selection and design of a groundwater remedy. The *Semi-Annual Remedy Selection and Design Progress Report* that is included as Appendix E includes the following information:

i) A summary of the closure status for AP-1 as it relates to source control.

ii) Summary of work completed to date to achieve delineation of constituents exceeding GWPS and a summary of data collected during the semi-annual event towards remedy selection.

iii) A summary of remedial alternatives and progress towards remedy selection.

7.0 MONITORING PROGRAM STATUS

Statistical evaluations of the groundwater monitoring well data for AP-1 confirm SSIs of Appendix III groundwater monitoring parameters above background and SSLs of Appendix IV groundwater monitoring parameter (cobalt) above the GWPS. AP-1 will continue to be monitored in accordance with the assessment monitoring program pursuant to 40 CFR § 257.95. On November 18, 2021, Georgia Power initiated an ACM per Georgia CCR Rule 391-3-4-.10(6)(a) and § 257.96 to address the concentrations of cobalt in Site groundwater. Pursuant to 40 CFR 257.95(g)(1)(iv), the assessment wells continue to be sampled as part of the ongoing semi-annual assessment monitoring program and the assessment of corrective measures.

8.0 CONCLUSIONS AND FUTURE ACTIONS

This *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report*, Georgia Power Company - Plant Scherer Ash Pond 1 was prepared to fulfill the requirements of US EPA's 40 CFR § 257.95 and GA EPD's 391-3-4-.10. The groundwater flow direction interpreted during this event is consistent with historical evaluations.

Review of analytical results and statistical analyses developed for AP-1 indicates statistical exceedances of cobalt identified during 2025 first semi-annual event. Cobalt concentrations have shown statistically decreasing concentrations in three of the six wells (SGWC-11, SGWC-18, SGWC-20) with cobalt SSLs and no significant trend in the other three wells (SGWC-10, SGWC-14, SGWC-15). Groundwater data presented in this report are consistent with previous evaluations. The monitoring well network continues to effectively monitor the uppermost aquifer beneath AP-1 and compliance monitoring will be conducted in accordance with § 257.94 and § 257.95.

Based on the findings presented herein, assessment groundwater monitoring and the ACM in response to the SSLs of cobalt in Site groundwater will continue for AP-1. The next scheduled sampling event is tentatively scheduled for July-August 2025. The February 2025 semi-annual assessment monitoring event will meet the requirements of § 257.95(b) and § 257.95(d)(1) and will include sampling and analysis of Appendix III and IV constituents.

9.0 REFERENCES

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Tables

Table 1
Summary of Monitoring Well, Assessment Well and Piezometer Construction Data
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Well ID	Well Designation	Location	Northing [1]	Easting [1]	Ground Surface Elevation (feet) [2]	Top of Casing Elevation (feet)[2]	Top of Screen Elevation (feet) [2] [3]	Bottom of Screen Elevation (feet) [2] [3]	Total Well Depth (feet below top of casing) [5]	Groundwater Zone Screened	Installation Date
AP-1 DETECTION MONITORING WELL NETWORK											
SGWA-1	Detection	Upgradient	1119233.10	2399899.81	544.07	546.83	503.57	493.57	53.7	Saprolite	02/11/2015
SGWA-2	Detection	Upgradient	1119237.67	2399908.19	543.95	546.94	458.55	448.55	98.8	Bedrock	02/17/2015
SGWA-3	Detection	Upgradient	1120224.15	2399296.64	542.88	545.83	502.88	492.88	53.0	Saprolite	11/18/2015
SGWA-4	Detection	Upgradient	1121477.05	2401124.64	544.81	547.66	494.31	484.31	63.3	Saprolite	11/17/2015
SGWA-5	Detection	Upgradient	1118088.42	2397426.26	505.73	508.48	485.53	475.53	33.0	Saprolite	11/18/2015
SGWA-24	Detection	Upgradient	1118121.96	2400743.52	489.32	492.38	461.62	451.62	41.2	Saprolite	02/10/2015
SGWA-25	Detection	Upgradient	1120555.28	2400857.08	523.20	526.49	488.60	478.60	48.3	Saprolite	02/18/2015
SGWC-6	Detection	Downgradient	1122167.18	2401979.98	507.67	510.49	492.67	482.67	27.8	Saprolite	11/12/2015
SGWC-7	Detection	Downgradient	1122668.61	2402259.75	503.45	506.40	478.45	468.45	37.9	Bedrock	11/11/2015
SGWC-8	Detection	Downgradient	1122865.98	2402979.50	511.48	514.28	481.48	471.48	42.8	Bedrock	11/10/2015
SGWC-9	Detection	Downgradient	1122634.64	2403455.19	507.63	510.62	482.63	472.63	38.0	Saprolite	11/06/2015
SGWC-10	Detection	Downgradient	1121895.85	2404046.92	506.60	509.41	486.60	476.60	32.8	Saprolite	11/05/2015
SGWC-11	Detection	Downgradient	1121542.11	2404332.12	508.62	511.47	478.62	468.62	42.9	Saprolite	10/29/2015
SGWC-12	Detection	Downgradient	1121576.75	2405009.92	497.70	500.53	460.70	450.70	50.4	Saprolite	10/30/2015
SGWC-13	Detection	Downgradient	1121274.85	2405761.20	479.92	482.71	454.92	444.92	37.8	Saprolite	11/04/2015
SGWC-14	Detection	Downgradient	1120966.13	2406329.89	473.32	476.72	448.52	438.52	38.7	Saprolite	02/24/2015
SGWC-15	Detection	Downgradient	1120191.20	2407093.92	479.66	482.75	444.86	434.86	48.3	Saprolite	02/26/2015
SGWC-16	Detection	Downgradient	1119221.42	2407155.89	457.03	460.31	428.23	418.23	42.5	Saprolite	03/03/2015
SGWC-17	Detection	Downgradient	1118308.77	2407267.44	414.93	418.00	400.83	390.83	27.6	Saprolite	03/11/2015
SGWC-18	Detection	Downgradient	1116947.75	2406931.32	510.31	513.29	476.21	466.21	47.5	Saprolite	03/17/2015
SGWC-19	Detection	Downgradient	1116024.59	2406097.05	475.83	478.94	451.63	441.63	37.7	Saprolite	03/18/2015
SGWC-20	Detection	Downgradient	1116020.73	2405307.67	501.49	504.60	486.49	476.49	28.1	Saprolite	11/19/2015
SGWC-21	Detection	Downgradient	1115409.88	2404197.33	484.67	487.67	470.17	460.17	27.9	Saprolite	05/06/2015
SGWC-22	Detection	Downgradient	1115540.08	2403001.81	515.41	518.02	478.91	468.91	52.7	Saprolite	01/22/2015
SGWC-23	Detection	Downgradient	1116693.80	2402131.07	520.02	523.10	480.72	470.72	52.8	Bedrock	02/03/2015
AP-1 ASSESSMENT MONITORING WELL NETWORK											
PZ-13S	Assessment	Downgradient	1121957.03	2404227.47	517.48	520.51	482.58	472.58	48.3	Saprolite	04/01/2015
PZ-14S	Assessment	Downgradient	1121852.80	2404820.56	508.68	512.13	474.18	464.18	48.4	Saprolite	03/26/2015
PZ-17I	Assessment	Downgradient	1120190.27	2407107.37	479.90	483.03	393.20	383.20	100.4	Bedrock	02/27/2015
PZ-39S	Assessment	Downgradient	1120178.43	2407470.49	471.79	474.58	405.79	395.79	79.2	Saprolite	08/21/2018
PZ-40I	Assessment	Downgradient	1116960.39	2406934.72	510.09	512.55	437.09	427.09	85.9	Bedrock	08/15/2018
PZ-41S	Assessment	Downgradient	1116799.18	2407124.98	488.56	491.50	453.56	443.56	47.9	Saprolite	08/16/2018
PZ-42I	Assessment	Downgradient	1116013.79	2405294.12	500.45	503.18	414.45	404.45	98.7	Bedrock	08/21/2018
PZ-43S	Assessment	Downgradient	1115598.12	2405507.16	501.19	504.03	460.69	450.69	53.3	Saprolite	08/17/2018
PZ-44I	Assessment	Downgradient	1121515.40	2404330.23	507.86	510.36	403.86	393.86	116.5	Bedrock	09/05/2018
PZ-69I	Assessment	Downgradient	1121906.36	2404051.35	506.00	508.85	410.00	400.00	108.9	Bedrock	01/12/2022
PZ-70	Assessment	Downgradient	1120974.87	2406323.71	472.41	476.30	413.4	403.4	72.2	Bedrock	06/05/2025
PZ-71	Assessment	Downgradient	1120942.87	2406394.55	475.56	479.80	450.4	440.5	38.1	Saprolite	06/05/2025
PIEZOMETERS											
LPZ-01	Piezometer	Upgradient	1117001.58	2398513.19	549.97	553.29	495.97	485.97	69.1	PWR/Bedrock	11/10/2015
LPZ-02	Piezometer	Upgradient	1119972.34	2398004.93	511.07	514.52	501.07	491.07	23.4	Saprolite	11/20/2015
LPZ-03	Piezometer	Upgradient	1117883.86	2398657.00	512.15	515.45	487.15	477.15	38.3	Saprolite	11/18/2015
LPZ-04	Piezometer	Upgradient	1115962.59	2397083.47	458.11	461.24	440.11	430.11	43.1	Saprolite	11/19/2015
LPZ-05	Piezometer	Upgradient	1115328.95	2399698.53	521.51	524.51	479.41	469.41	60.5	Saprolite	11/05/2015
PZ-2I	Piezometer	Downgradient	1115544.85	2402990.76	514.81	517.56	440.91	430.91	87.1	Bedrock	01/27/2015
PZ-3S	Piezometer	Downgradient	1116085.04	2402533.80	514.37	517.29	474.77	464.77	52.9	Saprolite	01/29/2015

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Monroe County, GA

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PIEZOMETERS (continued)											
PZ-5I	Piezometer	Downgradient	1117484.15	2401816.71	520.63	523.26	484.03	474.03	49.6	Saprolite	02/04/2015
PZ-9I	Piezometer	Upgradient	1120562.72	2400862.76	523.31	526.57	453.51	443.51	83.5	Bedrock	02/19/2015
PZ-10S	Piezometer	Downgradient	1122338.03	2401768.92	514.38	517.53	489.88	479.88	38.1	Saprolite	05/05/2015
PZ-11S	Piezometer	Downgradient	1123169.22	2402767.44	526.04	529.31	490.04	480.04	49.3	Saprolite	04/06/2015
PZ-12S	Piezometer	Downgradient	1122684.90	2403618.46	514.54	517.69	480.54	470.54	47.5	Saprolite	04/01/2015
PZ-14I	Piezometer	Downgradient	1121866.36	2404822.43	509.73	512.89	424.93	414.93	98.4	Bedrock	03/25/2015
PZ-15S	Piezometer	Downgradient	1121486.96	2405558.59	497.44	500.60	467.74	457.74	43.3	Saprolite	04/28/2015
PZ-19I	Piezometer	Downgradient	1118588.47	2407251.56	414.54	417.76	353.04	343.04	75.1	Bedrock	03/04/2015
PZ-19S	Piezometer	Downgradient	1118587.24	2407241.54	414.54	417.80	399.94	389.94	28.3	Saprolite	03/04/2015
PZ-20I	Piezometer	Downgradient	1118318.15	2407273.36	414.31	417.41	345.11	335.11	82.7	Bedrock	03/10/2015
PZ-21S	Piezometer	Downgradient	1117639.19	2407006.52	470.60	473.74	457.60	447.60	26.5	Saprolite	03/12/2015
PZ-25I	Piezometer	Downgradient	1121837.80	2404573.04	525.77	528.39	410.97	400.97	127.6	Saprolite	05/24/2016
PZ-25S	Piezometer	Downgradient	1121848.11	2404567.52	525.48	528.24	480.78	470.68	57.8	Saprolite	05/25/2016
PZ-26S	Piezometer	Downgradient	1121696.65	2405733.23	489.07	491.65	454.27	444.27	47.6	Saprolite	06/01/2016
PZ-27D	Piezometer	Downgradient	1121558.94	2406023.17	472.41	475.43	367.61	347.61	128.0	Bedrock	06/17/2016
PZ-27S	Piezometer	Downgradient	1121565.33	2406028.25	473.13	475.80	438.33	428.33	47.7	PWR	05/26/2016
PZ-28I	Piezometer	Downgradient	1121394.06	2406373.94	481.44	484.18	422.84	412.84	71.5	Bedrock	06/03/2016
PZ-29S	Piezometer	Downgradient	1121269.19	2406618.29	488.50	491.31	453.70	443.70	47.8	Saprolite	05/26/2016
PZ-30I	Piezometer	Downgradient	1121073.53	2407078.99	475.56	478.31	400.46	390.46	88.1	Bedrock	06/02/2016
PZ-31I	Piezometer	Downgradient	1121204.03	2407445.73	463.96	466.89	399.06	389.06	78.0	Bedrock	06/02/2016
PZ-32D	Piezometer	Downgradient	1121089.64	2407719.37	462.36	465.42	366.56	336.56	129.1	Bedrock	06/01/2016
PZ-32S	Piezometer	Downgradient	1121089.22	2407698.44	462.27	465.06	417.47	407.47	57.8	Saprolite/PWR	06/01/2016
PZ-33I	Piezometer	Downgradient	1121245.25	2409064.05	466.45	469.38	400.65	390.65	78.9	Saprolite/Bedrock	06/08/2016
PZ-34S	Piezometer	Downgradient	1121331.59	2409288.37	440.83	443.67	405.53	395.53	48.3	PWR	06/04/2016
PZ-35I	Piezometer	Downgradient	1121598.57	2406058.33	474.57	474.40	429.27	419.27	55.3	Saprolite/Bedrock	06/22/2016
PZ-36I	Piezometer	Downgradient	1120410.99	2407256.25	478.86	481.52	393.56	383.56	98.2	Bedrock	06/05/2016
PZ-36S	Piezometer	Downgradient	1120401.04	2407248.04	479.40	482.35	434.40	424.40	58.4	Saprolite	08/22/2018
PZ-37I	Piezometer	Downgradient	1121178.48	2408419.19	479.48	482.18	418.48	408.48	73.9	TWR/Bedrock	06/02/2016
PZ-38I	Piezometer	Downgradient	1121475.86	2406352.98	482.23	482.24	418.43	408.43	74.0	Bedrock	06/23/2016
PZ-45D	Piezometer	Downgradient	1125296.24	2400250.55	509.74	512.33	399.74	344.74	167.6	Bedrock	03/09/2020
PZ-46D	Piezometer	Downgradient	1123512.22	2400923.25	447.07	450.28	423.57	393.57	56.7	TWR/Bedrock	03/17/2020
PZ-47D	Piezometer	Downgradient	1126623.42	2404366.80	406.76	410.01	396.66	381.66	28.4	Bedrock	03/11/2020
PZ-48S	Piezometer	Downgradient	1125014.71	2405779.92	441.30	444.33	390.55	380.55	64.0	Saprolite	03/04/2020
PZ-49D	Piezometer	Downgradient	1123429.73	2410615.29	364.88	367.41	288.88	258.88	108.5	Bedrock	03/06/2020
PZ-49S	Piezometer	Downgradient	1123434.46	2410605.99	365.19	367.89	350.19	340.19	28.0	Residual Soil	03/07/2020
PZ-50D	Piezometer	Upgradient	1103125.91	2408306.87	470.66	473.78	380.66	370.66	103.1	Bedrock	03/18/2020
PZ-51D	Piezometer	Upgradient	1119239.99	2399955.07	543.17	546.04	427.17	417.17	128.9	Bedrock	03/08/2020
PZ-52	Piezometer	Downgradient	1122822.91	2403622.69	519.43	521.84	452.43	442.43	79.4	Saprolite	03/17/2020
PZ-53	Piezometer	Downgradient	1121932.34	2404813.43	513.61	516.64	478.61	468.61	48.0	Saprolite	03/19/2020
PZ-54	Piezometer	Downgradient	1121509.71	2406555.15	490.17	492.96	455.17	445.17	47.8	Residual Soil	03/19/2020
PZ-55	Piezometer	Downgradient	1121931.60	2409132.43	444.15	447.21	418.15	408.15	39.1	Saprolite/TWR	03/20/2020
PZ-56	Piezometer	Downgradient	1123524.68	2409037.21	430.85	433.68	395.10	385.10	48.8	Bedrock	03/19/2020
PZ-57	Piezometer	Downgradient	1123405.64	2407361.88	436.45	439.51	387.45	377.45	62.1	TWR/Bedrock	03/19/2020
PZ-58	Piezometer	Downgradient	1123299.43	2405207.09	489.25	492.21	453.25	443.25	49.0	Residual Soil	03/16/2020
PZ-59D	Piezometer	Downgradient	1125229.89	2407668.93	382.86	385.86	328.86	313.86	72.0	Bedrock	03/27/2020
PZ-59S	Piezometer	Downgradient	1125213.65	2407658.45	382.83	385.93	368.83	358.83	27.1	Saprolite	03/20/2020

Table 1
Summary of Monitoring Well, Assessment Well and Piezometer Construction Data
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Well ID	Well Designation	Location	Northing [1]	Easting [1]	Ground Surface Elevation (feet) [2]	Top of Casing Elevation (feet)[2]	Top of Screen Elevation (feet) [2] [3]	Bottom of Screen Elevation (feet) [2] [3]	Total Well Depth (feet below top of casing) [5]	Groundwater Zone Screened	Installation Date
PIEZOMETERS (continued)											
PZ-60D	Piezometer	Downgradient	1124410.72	2408242.87	386.43	389.34	317.03	286.73	102.6	Bedrock	03/29/2020
PZ-60S	Piezometer	Downgradient	1124400.44	2408243.59	386.36	389.88	376.36	366.36	23.5	Residual Soil/Saprolite	03/31/2020
PZ-61	Piezometer	Downgradient	1122537.21	2408531.43	436.79	439.27	397.34	387.34	51.9	TWR/Saprolite/Bedrock	04/11/2020
PZ-62	Piezometer	Downgradient	1122370.34	2406175.11	498.25	501.32	456.00	446.00	55.3	Saprolite	04/09/2020
PZ-63	Piezometer	Downgradient	1123955.38	2404060.61	498.87	501.54	468.87	458.87	42.7	Bedrock	04/12/2020
PZ-64	Piezometer	Downgradient	1123724.36	2406404.18	475.99	479.52	416.99	406.99	73.5	Bedrock	04/08/2020
PZ-65	Piezometer	Downgradient	1121937.16	2407733.04	429.57	432.42	409.57	399.57	33.1	Saprolite	04/11/2020
PZ-66	Piezometer	Downgradient	1124664.10	2409115.98	418.38	421.24	373.38	358.38	62.9	Bedrock	04/02/2020
PZ-66D	Piezometer	Downgradient	1124644.48	2409028.45	424.39	427.60	355.39[6]	-	269.2	Bedrock	05/06/2020
PZ-67	Piezometer	Downgradient	1125782.26	2408248.89	423.22	425.94	393.47	383.47	42.5	Saprolite	04/01/2020
PZ-67D	Piezometer	Downgradient	1125764.81	2408259.40	424.71	428.48	341.71[6]	-	304.8	Bedrock	04/25/2020
PZ-68	Piezometer	Downgradient	1125116.59	2407181.92	392.14	395.55	382.18	372.14	23.4	Saprolite/TWR	04/15/2020

Notes:
[1] Coordinates are in feet relative to North American Datum (NAD) 1983, State Plane, Georgia-West.
[2] Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
[3] Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
[4] - = not applicable
[5] Total well depth accounts for sump if data provided on well construction logs.
[6] Elevation of the bottom of the outer well casing and elevation of top of open corehole.
[7] PWR = Partially Weathered Rock TWR = Transitionally Weathered Rock

Table 2
Groundwater Event Summary
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Well ID	Hydraulic Location	Well Designation	February 19 2025 - February 24 2025
			Assessment Event
AP-1 Detection Monitoring Wells			
SGWA-1	Upgradient	Detection	X
SGWA-2	Upgradient	Detection	X
SGWA-3	Upgradient	Detection	X
SGWA-4	Upgradient	Detection	X
SGWA-5	Upgradient	Detection	X
SGWA-24	Upgradient	Detection	X
SGWA-25	Upgradient	Detection	X
SGWC-6	Downgradient	Detection	X
SGWC-7	Downgradient	Detection	X
SGWC-8	Downgradient	Detection	X
SGWC-9	Downgradient	Detection	X
SGWC-10	Downgradient	Detection	X
SGWC-11	Downgradient	Detection	X
SGWC-12	Downgradient	Detection	X
SGWC-13	Downgradient	Detection	X
SGWC-14	Downgradient	Detection	X
SGWC-15	Downgradient	Detection	X
SGWC-16	Downgradient	Detection	X
SGWC-17	Downgradient	Detection	X
SGWC-18	Downgradient	Detection	X
SGWC-19	Downgradient	Detection	X
SGWC-20	Downgradient	Detection	X
SGWC-21	Downgradient	Detection	X
SGWC-22	Downgradient	Detection	X
SGWC-23	Downgradient	Detection	X
AP-1 Assessment Monitoring Wells			
PZ-13S	Downgradient	Assessment	X
PZ-14S	Downgradient	Assessment	X
PZ-17I	Downgradient	Assessment	X
PZ-39S	Downgradient	Assessment	X
PZ-40I	Downgradient	Assessment	X
PZ-41S	Downgradient	Assessment	X
PZ-42I	Downgradient	Assessment	X
PZ-43S	Downgradient	Assessment	X
PZ-44I	Downgradient	Assessment	X
PZ-69I	Downgradient	Assessment	X
AP-1 Additional Monitoring Wells			
PZ-25I	Downgradient	Piezometer	X
PZ-25S	Downgradient	Piezometer	X

Notes:
X - Indicates well sampled during event

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Measurement Date:		February 18, 2025	
Well ID	Top of Casing Elevation (feet, NAVD88)	Depth to Water (feet, BTOC)	Groundwater Elevation (feet, NAVD88)
AP-1 DETECTION MONITORING WELLS			
SGWA-1	546.83	43.85	502.98
SGWA-2	546.94	43.35	503.59
SGWA-3	545.83	32.92	512.91
SGWA-4	547.66	48.08	499.58
SGWA-5	508.48	16.73	491.75
SGWC-6	510.49	17.90	492.59
SGWC-7	506.40	16.45	489.95
SGWC-8	514.28	25.29	488.99
SGWC-9	510.62	27.37	483.25
SGWC-10	509.41	28.04	481.37
SGWC-11	511.47	30.65	480.82
SGWC-12	500.53	24.30	476.23
SGWC-13	482.71	10.00	472.71
SGWC-14	476.72	11.38	465.34
SGWC-15	482.75	32.31	450.44
SGWC-16	460.31	25.73	434.58
SGWC-17	418.00	2.81	415.19
SGWC-18	513.29	44.62	468.67
SGWC-19	478.94	15.72	463.22
SGWC-20	504.60	15.34	489.26
SGWC-21	487.67	1.22	486.45
SGWC-22	518.02	29.72	488.30
SGWC-23	523.10	36.25	486.85
SGWA-24	492.38	14.80	477.58
SGWA-25	526.49	30.35	496.14
AP-1 ASSESSMENT MONITORING WELLS			
PZ-13S	520.51	38.94	481.57
PZ-14S	512.13	33.88	478.25
PZ-17I	483.03	32.20	450.83
PZ-39S	474.58	40.01	434.57
PZ-40I	512.55	43.25	469.30
PZ-41S	491.50	36.66	454.84
PZ-42I	503.18	12.37	490.81
PZ-43S	504.03	24.49	479.54
PZ-44I	510.36	29.44	480.92
PZ-69I	508.85	27.82	481.03

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Measurement Date:		February 18, 2025	
Well ID	Top of Casing Elevation (feet, NAVD88)	Depth to Water (feet, BTOC)	Groundwater Elevation (feet, NAVD88)
AP-1 ADDITIONAL MONITORING WELLS			
PZ-25I	528.39	48.01	480.38
PZ-25S	528.24	47.63	480.61
PIEZOMETERS			
PZ-2I	517.56	29.95	487.61
PZ-3S	517.29	33.48	483.81
PZ-5I	523.26	38.94	484.32
PZ-9I	526.57	30.01	496.56
PZ-10S	517.53	23.85	493.68
PZ-11S	529.31	40.89	488.42
PZ-12S	517.69	34.88	482.81
PZ-14I	512.89	34.62	478.27
PZ-15S	500.60	22.91	477.69
PZ-19I	417.76	4.21	413.55
PZ-19S	417.80	4.73	413.07
PZ-20I	417.41	3.95	413.46
PZ-21S	473.74	13.00	460.74
PZ-26S	491.65	19.88	471.77
PZ-27D	475.43	5.10	470.33
PZ-27S	475.80	5.98	469.82
PZ-28I	484.18	19.15	465.03
PZ-29S	491.31	31.45	459.86
PZ-30I	478.31	32.84	445.47
PZ-31I	466.89	32.81	434.08
PZ-32D	465.42	32.31	433.11
PZ-32S	465.06	30.70	434.36
PZ-33I	469.38	47.27	422.11
PZ-34S	443.67	22.17	421.50
PZ-35I	474.40	4.82	469.58
PZ-36I	481.52	35.94	445.58
PZ-36S	482.35	39.00	443.35
PZ-37I	482.18	52.33	429.85
PZ-38I	482.24	16.63	465.61
PZ-45D	512.33	33.30	479.03
PZ-46D	450.28	11.09	439.19
PZ-47D	410.01	10.60	399.41
PZ-48S	444.33	37.44	406.89

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Measurement Date:		February 18, 2025	
Well ID	Top of Casing Elevation (feet, NAVD88)	Depth to Water (feet, BTOC)	Groundwater Elevation (feet, NAVD88)
PIEZOMETERS			
PZ-49D	367.41	5.23	362.18
PZ-49S	367.89	6.65	361.24
PZ-50D	473.78	NM	NM
PZ-51D	546.04	42.70	503.34
PZ-52	521.84	39.25	482.59
PZ-53	516.64	38.42	478.22
PZ-54	492.96	32.61	460.35
PZ-55	447.21	29.59	417.62
PZ-56	433.68	41.67	392.01
PZ-57	439.51	35.15	404.36
PZ-58	492.21	48.94	443.27
PZ-59D	385.86	4.89	380.97
PZ-59S	385.93	4.60	381.33
PZ-60D	389.34	7.82	381.52
PZ-60S	389.88	9.40	380.48
PZ-61	439.27	25.61	413.66
PZ-62	501.32	43.81	457.51
PZ-63	501.54	24.13	477.41
PZ-64	479.52	53.81	425.71
PZ-65	432.42	17.92	414.50
PZ-66	421.24	38.46	382.78
PZ-66D	427.60	49.26	378.34
PZ-67	425.94	26.80	399.14
PZ-67D	428.48	41.48	387.00
PZ-68	395.55	9.52	386.03
LPZ-01	553.29	59.30	493.99
LPZ-02	514.52	2.28	512.24
LPZ-03	515.45	7.38	508.07
LPZ-04	461.24	13.93	447.31
LPZ-05	524.51	49.26	475.25

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Measurement Date:		February 18, 2025	
Well ID	Top of Casing Elevation (feet, NAVD88)	Depth to Water (feet, BTOC)	Groundwater Elevation (feet, NAVD88)
GYPSUM CELL 1			
GWC-1	374.95	8.24	366.71
GWC-2	380.22	12.57	367.65
GWC-3	412.66	38.38	374.28
GWC-4	411.75	33.46	378.29
GWC-5	396.69	21.39	375.30
GWC-6	415.80	40.66	375.14
GWC-7	418.27	42.08	376.19
GWC-8A	401.62	22.07	379.55
GWC-9	386.18	6.38	379.80
GWC-10	392.87	9.77	383.10
GWC-11	402.33	16.80	385.53
GWC-12	412.89	24.56	388.33
GWC-13	419.77	29.31	390.46
GWC-14	403.60	11.68	391.92
GWA-15	415.01	12.00	403.01
GWA-16	444.24	34.43	409.81
GWA-17	445.84	32.83	413.01
GWC-18	439.66	36.29	403.37
GWC-19	430.20	39.09	391.11
GWC-20	426.30	47.37	378.93
PAC ASH CELL			
GWA-21	422.58	6.21	416.37
GWA-22	444.50	26.46	418.04
GWC-29	399.64	5.36	394.28
GWA-45	451.08	18.70	432.38
GWA-46	461.13	34.95	426.18
GWA-47	465.77	42.01	423.76
GWA-48	461.73	40.32	421.41
GWA-49	432.88	12.80	420.08
GWC-50	407.16	8.62	398.54
GWC-51	410.15	8.55	401.60
GWC-52	417.13	9.34	407.79
GWC-53	435.83	12.12	423.71

Table 3
Summary of Groundwater Elevations
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Measurement Date:		February 18, 2025	
Well ID	**Top of Casing Elevation (feet, NAVD88)**	**Depth to Water (feet, BTOC)**	**Groundwater Elevation (feet, NAVD88)**
CELL 3			
GWA-39	457.62	31.37	426.25
GWA-40	463.84	37.36	426.48
GWA-41	434.12	13.43	420.69
GWA-42	405.19	4.72	400.47
GWA-43	400.94	3.64	397.30
GWA-44A	399.62	3.62	396.00
GWA-54	451.49	28.71	422.78
GWC-30	394.49	5.38	389.11
GWC-31	392.78	5.05	387.73
GWC-32	410.03	23.40	386.63
GWC-33A	393.96	9.28	384.68
GWC-34	389.29	7.21	382.08
GWC-35	387.90	4.40	383.50
GWC-36	425.12	32.99	392.13
GWC-37	429.80	23.98	405.82
GWC-38	418.68	11.59	407.09
STAFF GAUGES			
SG-1		Dry	
SG-3			378.47
TEMPORARY WELLS			
SCH-TW-15A-S	481.21	29.22	451.99
SCH-TW-15A-D	481.22	29.31	451.91
SCH-TW-15B	481.72	29.63	452.09
SCH-TW-15C-S	484.27	37.32	446.95
SCH-TW-15C-D	484.10	36.24	447.86
SCH-TW-18A	511.28	41.71	469.57
SCH-TW-18B	509.78	37.90	471.88
SCH-TW-18C	511.64	43.30	468.34
SCH-TW-18D	514.34	47.51	466.83
SCH-TW-20A	505.35	14.67	490.68
SCH-TW-20B	500.98	11.00	489.98
SCH-TW-20C	502.62	13.00	489.62
SCH-TW-20D	500.50	10.96	489.54

Notes:
NAVD88 indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
BTOC = Below Top of Casing; NM = Not Measured

Table 4
Groundwater Flow Velocity Calculations - February 2025
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Gauging Event	Well Pair	Groundwater Elevations in Well Pairs (ft)		Change in Elevation (Δ h) (ft)	Distance Between Well 1 and Well 2 (Δ l) (ft)	Hydraulic Gradient (Δ h / Δ l) (ft/ft)	Range of Estimated Hydraulic Conductivity (K) (ft/day)	Estimated Effective Porosity (ne)	Calculated Groundwater Flow Velocity (ft/day)	Calculated Groundwater Flow Velocity (ft/year)
February 2025	SGWC-13 to PZ-35I	472.71	469.58	3.13	439	0.007	1.29 to 2.27	0.2	0.05 to 0.08	16 to 29
February 2025	SGWC-14 to PZ-29S	465.34	459.86	5.48	418	0.013	1.29 to 2.27	0.2	0.08 to 0.15	31 to 54
February 2025	SGWC-20 to PZ-43S	489.26	479.54	9.72	467	0.021	1.29 to 2.27	0.2	0.14 to 0.24	49 to 87

Notes:
1. ft = feet, ft/ft = feet/foot, ne = effective porosity
2. Δ h = Change in groundwater elevation
3. Δ l =Distance along flow path
4. i = Δ h / Δ l Hydraulic Gradient
5. Groundwater flow velocity equation: V= (K* i)/ne
6. Hydraulic conductivity values are based on historic aquifer performance tests. Revised May 2024.
   The range of hydraulic conductivity used for calculating the horizontal groundwater velocity is median hydraulic conductivity of 1.29 feet/day and the average hydraulic conductivity of 2.27 feet/day.
7. Effective porosity based on default values for effective porosity recommended by USEPA for a silty sand-type soil (US EPA, 1996).

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

	Sample Location	SGWA-1	SGWA-2	SGWA-3	SGWA-4	SGWA-5	SGWA-24	SGWA-25	SGWC-6	SGWC-7
	Sample Date	02/20/2025	02/20/2025	02/20/2025	02/19/2025	02/20/2025	02/19/2025	02/19/2025	02/20/2025	02/19/2025
ANALYTE	**UNITS**									
APPENDIX III										
Boron	mg/L	0.033 J	0.032 J	0.068 J	0.032 J	0.023 J	< 0.022	< 0.022	0.069 J	< 0.022
Calcium	mg/L	2.1	12	6.4	21	1.8	18	11	13	17
Chloride	mg/L	1.8	1.3	2.0	1.1	1.9	4.9	3.4	2.6	4.6
Fluoride	mg/L	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.23
pH, Field	SU	5.44	6.95	5.89	6.33	5.48	6.50	6.18	6.30	6.51
Sulfate	mg/L	0.50 J	< 0.40	0.59 J	0.51 J	< 0.40	< 0.40	< 0.40	< 0.40	4.8
TDS	mg/L	48	100	51	120	74	130	92	130	160
APPENDIX IV										
Antimony	mg/L	< 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
Barium	mg/L	0.047	0.041	0.038	0.077	0.014	0.029	0.028	0.17	0.25
Beryllium	mg/L	0.00037 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 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
Chromium	mg/L	0.0033	0.015	0.027	0.0056	0.0016 J	0.0060	0.0048	< 0.0012	0.0014 J
Cobalt	mg/L	0.00024 J	< 0.00022	< 0.00022	< 0.00022	< 0.00022	< 0.00022	0.00045 J	< 0.00022	0.00023 J
Lead	mg/L	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	0.00054 J	< 0.00021
Lithium	mg/L	< 0.0020	< 0.0020	< 0.0020	0.0037 J	0.0031 J	< 0.0020	0.0033 J	< 0.0020	0.0063
Mercury	mg/L	< 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	0.0010 J
Combined Radium 226 + 228	pCi/L	0.271 U	0.715	0.237 U	0.501 U	0.654	-0.0866 U	0.566	0.271 U	0.477 U
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 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
Additional Parameters										
Bicarbonate Alkalinity as CaCO3	mg/L	11	61	35	92	30	84	60	76	110
Carbonate Alkalinity as CaCO3	mg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Total Alkalinity as CaCO3	mg/L	11	61	38	92	30	84	60	76	110
Iron	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ferrous (II) Iron	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	1.0	6.9	5.1	7.2	0.61	8.7	7.6	6.0	12
Manganese	mg/L	0.047	< 0.0022	0.0083	0.15	0.0034 J	0.010	0.023	0.024	0.060
Potassium	mg/L	0.80	1.0	1.2	2.0	0.60	1.0	0.74	1.1	4.2
Sodium	mg/L	3.2	5.2	4.0	9.2	12	7.5	5.2	14	20
Sulfide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	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 reporting limit.
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.

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

	Sample Location	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
	Sample Date	02/19/2025	02/19/2025	02/19/2025	02/20/2025	02/19/2025	02/19/2025	02/19/2025	02/20/2025	02/19/2025
ANALYTE	**UNITS**									
APPENDIX III										
Boron	mg/L	0.042 J	1.4	0.31	0.87	0.039 J	0.96	1.6	1.3	0.88
Calcium	mg/L	39	29	4.3	3.3	25	31	37	16	1.9
Chloride	mg/L	18	14	9.6	12	12	25	30	11	17
Fluoride	mg/L	0.17 J	< 0.40	< 0.040	< 0.040	< 0.080	< 0.20	< 0.40	< 0.40	< 0.20
pH, Field	SU	6.65	6.21	5.32	5.38	6.22	6.06	5.79	4.55	5.10
Sulfate	mg/L	37	120	36	31	83	170	230	210	84
TDS	mg/L	330	310	93	90	220	280	350	320	150
APPENDIX IV										
Antimony	mg/L	< 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	0.0012	< 0.00086
Barium	mg/L	0.14	0.035	0.043	0.072	0.075	0.044	0.032	0.025	0.059
Beryllium	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.00054 J	< 0.00020
Cadmium	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	0.00011 J	0.00024 J	< 0.000078
Chromium	mg/L	0.0030	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012	0.0013 J	0.033	0.015
Cobalt	mg/L	< 0.00022	0.00058 J	0.026	0.020	0.0018 J	0.0018 J	0.014	0.23	0.0082
Lead	mg/L	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021
Lithium	mg/L	< 0.0020	< 0.0020	< 0.0020	0.0043 J	< 0.0020	0.0025 J	0.0035 J	0.0038 J	0.0038 J
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	0.000081 J	0.00015 J	< 0.000080
Molybdenum	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
Combined Radium 226 + 228	pCi/L	1.11	0.132 U	0.792	0.388 U	-0.324 U	0.0616 U	0.0778 U	0.586 U	0.0992 U
Selenium	mg/L	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	0.0035 J	< 0.00099
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026
Additional Parameters										
Bicarbonate Alkalinity as CaCO3	mg/L	200	95	38	20	67	37	12	< 2.2	6.7
Carbonate Alkalinity as CaCO3	mg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Total Alkalinity as CaCO3	mg/L	200	95	38	20	67	37	12	< 2.2	6.7
Iron	mg/L	NA	NA	1.6	4.6	NA	NA	NA	< 0.012	NA
Ferrous (II) Iron	mg/L	NA	NA	1.5	4 .0	NA	NA	NA	0.0	NA
Magnesium	mg/L	24	19	8.4	2.1	15	13	21	16	1.2
Manganese	mg/L	0.029	0.11	0.64	0.76	0.58	0.13	0.60	3.9	0.051
Potassium	mg/L	1.2	0.52	0.35 J	0.67	0.82	1.6	2.4	5.0	0.83
Sodium	mg/L	37	43	8.1	22	20	36	42	55	47
Sulfide	mg/L	NA	NA	< 10	< 10	NA	NA	NA	< 10	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 reporting limit.
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.

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

	Sample Location	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
	Sample Date	02/19/2025	02/21/2025	02/21/2025	02/20/2025	02/20/2025	02/20/2025	02/21/2025	02/19/2025	02/19/2025
ANALYTE	**UNITS**									
APPENDIX III										
Boron	mg/L	0.39	5.5	2.0	1.9	1.3	0.52	0.35	< 0.022	0.050 J
Calcium	mg/L	79	37	43	22	42	25	19	5.8	5.2
Chloride	mg/L	20	< 10	12	6.3 J	5.5	10	8.0	12	5.4
Fluoride	mg/L	< 0.40	< 2.0	< 0.080	< 0.40	< 0.20	< 0.20	< 0.080	< 0.040	< 0.040
pH, Field	SU	6.28	4.78	5.59	4.17	6.44	5.70	5.93	5.23	5.45
Sulfate	mg/L	340	850	270	280	120	88	52	0.43 J	< 0.40
TDS	mg/L	520	1100	420	390	380	210	190	53	52
APPENDIX IV										
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034	< 0.00034
Arsenic	mg/L	< 0.00086	0.0012	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
Barium	mg/L	0.032	0.0093 J	0.024	0.022	0.12	0.071	0.064	0.041	0.038
Beryllium	mg/L	< 0.00020	< 0.00020	< 0.00020	0.0011 J	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Cadmium	mg/L	< 0.000078	< 0.000078	< 0.000078	0.000090 J	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078
Chromium	mg/L	0.0039	0.0098	0.015	0.0024	< 0.0012	0.0013 J	0.0022	0.0036	0.0024
Cobalt	mg/L	0.00048 J	0.058	< 0.00022	0.15	< 0.00022	0.00073 J	< 0.00022	0.0036	0.00023 J
Lead	mg/L	< 0.00021	< 0.00021	< 0.00021	< 0.00021	0.0047	< 0.00021	< 0.00021	0.00069 J	< 0.00021
Lithium	mg/L	< 0.0020	0.0026 J	0.016	0.0071	< 0.0020	< 0.0020	0.0051	< 0.0020	0.0031 J
Mercury	mg/L	0.000087 J	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	0.00069	< 0.000080
Molybdenum	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
Combined Radium 226 + 228	pCi/L	0.173 U	-0.00614 U	-0.320 U	0.218 U	0.603 U	0.0727 U	0.869	0.124 U	0.371 U
Selenium	mg/L	< 0.00099	0.0031 J	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 0.00099	< 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
Additional Parameters										
Bicarbonate Alkalinity as CaCO3	mg/L	64	< 2.2	11	< 2.2	180	48	60	17	23
Carbonate Alkalinity as CaCO3	mg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Total Alkalinity as CaCO3	mg/L	64	< 2.2	11	< 2.2	180	48	60	17	23
Iron	mg/L	NA	0.071 J	NA	0.030 J	NA	NA	NA	0.24	0.061 J
Ferrous (II) Iron	mg/L	NA	0.0	NA	0.0	NA	NA	NA	0.0	0.0
Magnesium	mg/L	40	17	22	27	16	13	10	1.8	3.4
Manganese	mg/L	0.038	0.62	0.034	2.0	0.055	0.11	0.057	0.038	0.018
Potassium	mg/L	0.58	2.9	2.8	3.7	1.7	2.4	1.5	0.35 J	0.74
Sodium	mg/L	29	340	56	69	69	19	20	5.4	2.3
Sulfide	mg/L	NA	< 10	NA	< 10	NA	NA	NA	< 10	< 10

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 reporting limit.
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.

Table 5
Groundwater Analytical Data Summary
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

	Sample Location	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I	PZ-25I	PZ-25S
	Sample Date	02/21/2025	02/24/2025	02/20/2025	02/21/2025	02/20/2025	02/24/2025	02/24/2025	02/24/2025	02/20/2025	02/20/2025
ANALYTE	UNITS										
APPENDIX III											
Boron	mg/L	0.18	< 0.022	4.6	3.8	2.3	1.1	0.053 J	0.40	< 0.022	< 0.022
Calcium	mg/L	34	24	140	170	77	54	25	49	27	1.1
Chloride	mg/L	4.9 J	6.1	< 5.0	9.5 J	11	7.6	3.2	9.9	4.3	3.9
Fluoride	mg/L	< 0.20	< 0.040	< 1.0	< 1.0	< 0.40	< 0.20	< 0.040	< 0.20	< 0.040	< 0.040
pH, Field	SU	7.00	6.61	6.39	5.93	7.33	7.43	6.77	6.57	6.89	4.65
Sulfate	mg/L	92	40	460	890	190	150	< 0.40	110	0.55 J	2.0
TDS	mg/L	240	150	980	1100	430	290	170	280	140	27
APPENDIX IV											
Antimony	mg/L	< 0.00034	< 0.00034	< 0.00034	< 0.00034	0.00090 J	< 0.00034	< 0.00034	< 0.00034	NA	< 0.00034
Arsenic	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086	NA	0.0012
Barium	mg/L	0.060	0.043	0.033	0.024	0.047	0.070	0.0099 J	0.18	NA	0.024
Beryllium	mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	NA	0.00020 J
Cadmium	mg/L	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	< 0.000078	NA	< 0.000078
Chromium	mg/L	0.0032	0.023	< 0.0012	0.0059	0.0012 J	0.0020	< 0.0012	< 0.0012	NA	0.0029
Cobalt	mg/L	< 0.00022	< 0.00022	0.00094 J	0.00022 J	0.00035 J	< 0.00022	0.0014 J	0.0022 J	0.0017 J	0.027
Lead	mg/L	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	< 0.00021	NA	< 0.00021
Lithium	mg/L	< 0.0020	0.0025 J	0.013	0.0057	0.028	< 0.0020	0.037	< 0.0020	NA	0.0042 J
Mercury	mg/L	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	< 0.000080	NA	< 0.000080
Molybdenum	mg/L	< 0.00086	< 0.00086	< 0.00086	< 0.00086	0.0097 J	< 0.00086	< 0.00086	< 0.00086	NA	< 0.00086
Combined Radium 226 + 228	pCi/L	-0.293 U	0.112 U	0.363 U	0.457 U	1.35	0.0441 U	0.0662 U	0.347 U	NA	0.0194 U
Selenium	mg/L	< 0.00099	0.0015 J	< 0.00099	0.0051	< 0.00099	< 0.00099	< 0.00099	< 0.00099	NA	< 0.00099
Thallium	mg/L	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	< 0.00026	NA	< 0.00026
Additional Parameters											
Bicarbonate Alkalinity as CaCO3	mg/L	60	68	38	13	94	63	120	96	120	2.2 J
Carbonate Alkalinity as CaCO3	mg/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Total Alkalinity as CaCO3	mg/L	60	68	38	13	94	63	120	96	120	2.2 J
Iron	mg/L	< 0.012	0.13	0.53	0.020 J	0.069 J	< 0.012	1.6	1.2	NA	NA
Ferrous (II) Iron	mg/L	0.0	0.0	1.0	0.0	0.0	0.0	1.5	1.5	NA	NA
Magnesium	mg/L	16	10	60	68	19	16	12	14	15	0.52
Manganese	mg/L	< 0.0022	0.16	0.20	0.0048 J	0.22	0.0054	0.29	1.2	NA	NA
Potassium	mg/L	2.1	1.5	8.5	4.8	8.4	3.3	3.9	5.6	1.1	0.27 J
Sodium	mg/L	13	7.5	74	74	28	15	7.8	23	5.4	4.2
Sulfide	mg/L	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	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 reporting limit.
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.

Table 6
Summary of Background Levels and GWPS
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Analyte	Units	US EPA MCL	Federal CCR Rules Specified GWPS	AP-1 Background [1] February 2025	AP-1 GWPS[2] February 2025
Antimony	mg/L	0.006		0.0021 [3]	0.006
Arsenic	mg/L	0.01		0.0015 [3]	0.01
Barium	mg/L	2.0		0.091	2.0
Beryllium	mg/L	0.004		0.0025 [3]	0.004
Cadmium	mg/L	0.005		0.0025 [3]	0.005
Chromium	mg/L	0.1		0.027	0.1
Cobalt	mg/L		0.006	0.0025 [3]	0.006[3]
Combined Radium 226 + 228	pCi/L	5.0		1.66	5.0
Fluoride	mg/L	4.0		0.2 [3]	4.0
Lead	mg/L		0.015	0.001 [3]	0.015
Lithium	mg/L		0.04	0.0051 [3]	0.04
Mercury	mg/L	0.002		0.0005 [3]	0.002
Molybdenum	mg/L		0.1	0.015 [3]	0.1
Selenium	mg/L	0.05		0.005 [3]	0.05
Thallium	mg/L	0.002		0.001 [3]	0.002

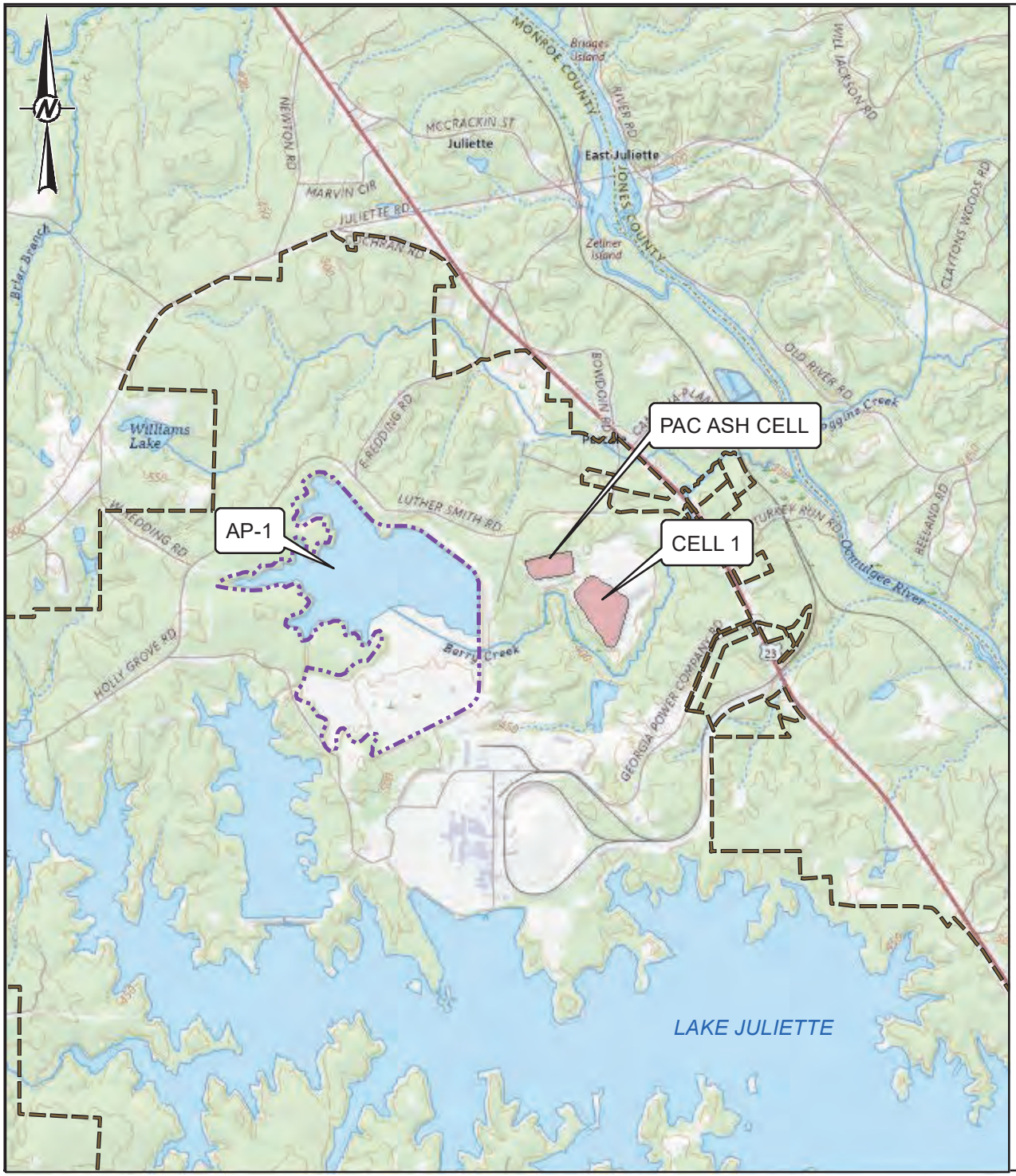
Notes:
mg/L = milligrams per liter; pCi/L = picocuries per liter; GWPS = Groundwater Protection Standards
MCL = Maximum Contaminant Level

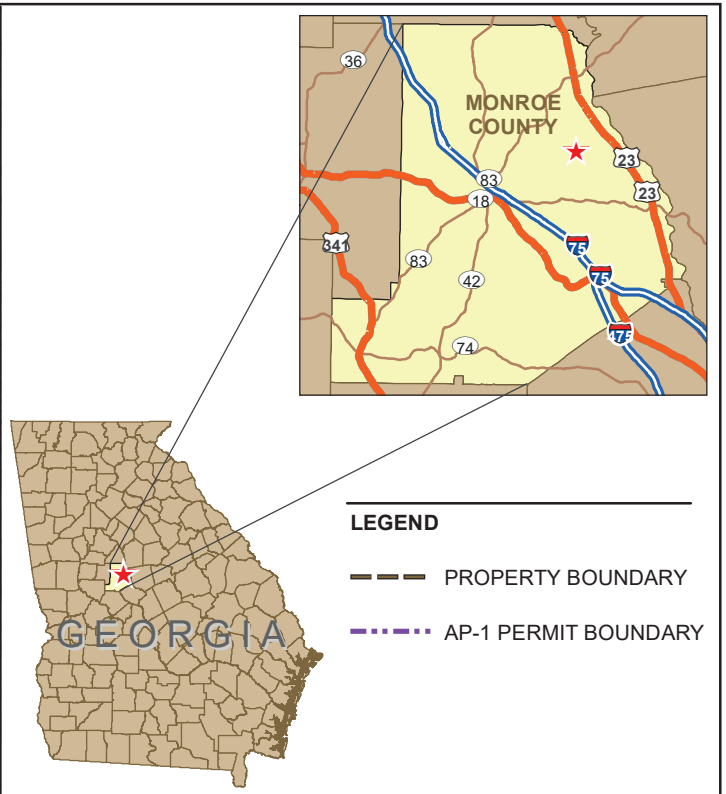
[1] The background limits are used when determining the groundwater protection standard (GWPS) under 40 CFR § 257.95(h) and 391-3-4-.10(6)(a).

[2] Adopted in GA EPD Rule 391-3-4-.10(6)(a), the GWPS is: (i) The MCL established under 40 CFR § 141.62 and 141.66, (ii) where an MCL has not been established the rule-specified GWPS, or (iii) background concentrations where the background level is higher than the MCL or rule-specified GWPS. On February 22, 2022, GA EPD adopted the federally promulgated GWPS for cobalt, lithium, lead, and molybdenum.

[3] The background tolerance limit (TL) used to evaluate GWPS for this analyte equals the laboratory specified reporting limit (RL). Per the Statistical Analysis Plan, and in accordance with the Unified Guidance, a non-parametric limit approach was used when the data set contains greater than 50% non-detect results for this analyte. Under this approach, the TL equals the highest value reported, for which is the laboratory RL. We also note that the values reported herein have been updated from the previously established GWPS which was determined based on estimated data. The modified GWPS also reflects additional outlier identification.

Figures





LEGEND

PROPERTY BOUNDARY

AP-1 PERMIT BOUNDARY

Service Layer Credits: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset,

0 4000 8000

Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLANT SCHERER - ASH POND 1

TITLE
SITE LOCATION MAP

CONSULTANT

wsp

YYYY-MM-DD	2025-06-18
PREPARED	AR
DESIGN	RHG
REVIEW	RNQ
APPROVED	RNQ

PROJECT No.
31406440.018

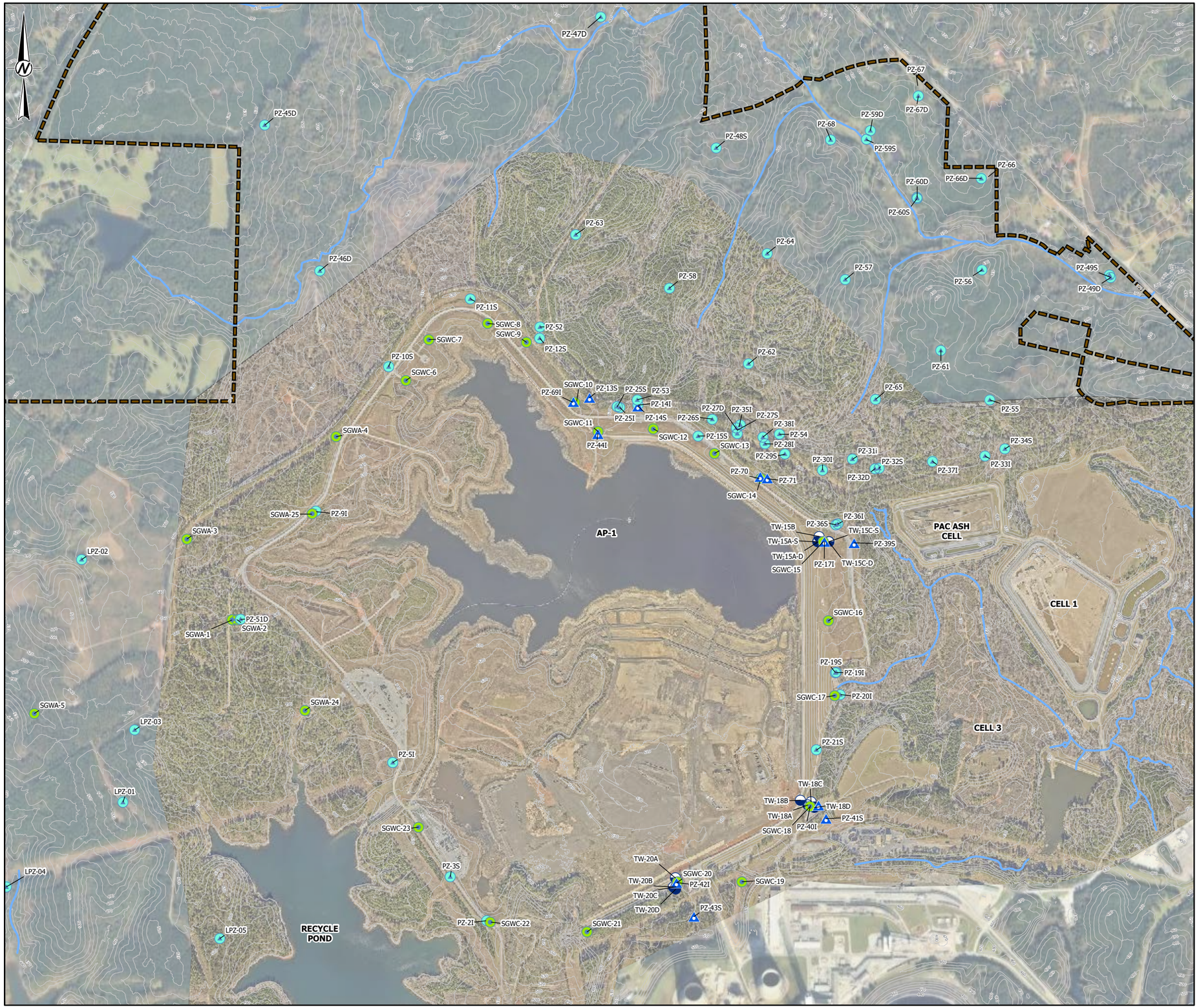
FIGURE
1

FIGURE
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANSI A

1 in

0



LEGEND

WELL TYPE

- SCHERER ASH POND-CCR MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- ASSESSMENT MONITORING WELL
- PROPERTY BOUNDARY
- STREAM
- EXISTING TOPOGRAPHY

NOTE(S)

1. MONITORING WELL LOCATIONS PROVIDED BY JORDAN ENGINEERING.
2. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.
3. WELLS PZ-70 AND PZ-71 WERE INSTALLED IN JUNE 2025.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
3. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.

0 600 1,200 2,400 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLANT SCHERER - ASH POND 1

TITLE
SITE PLAN, MONITORING WELL AND PIEZOMETER LOCATION MAP

CONSULTANT

wsp

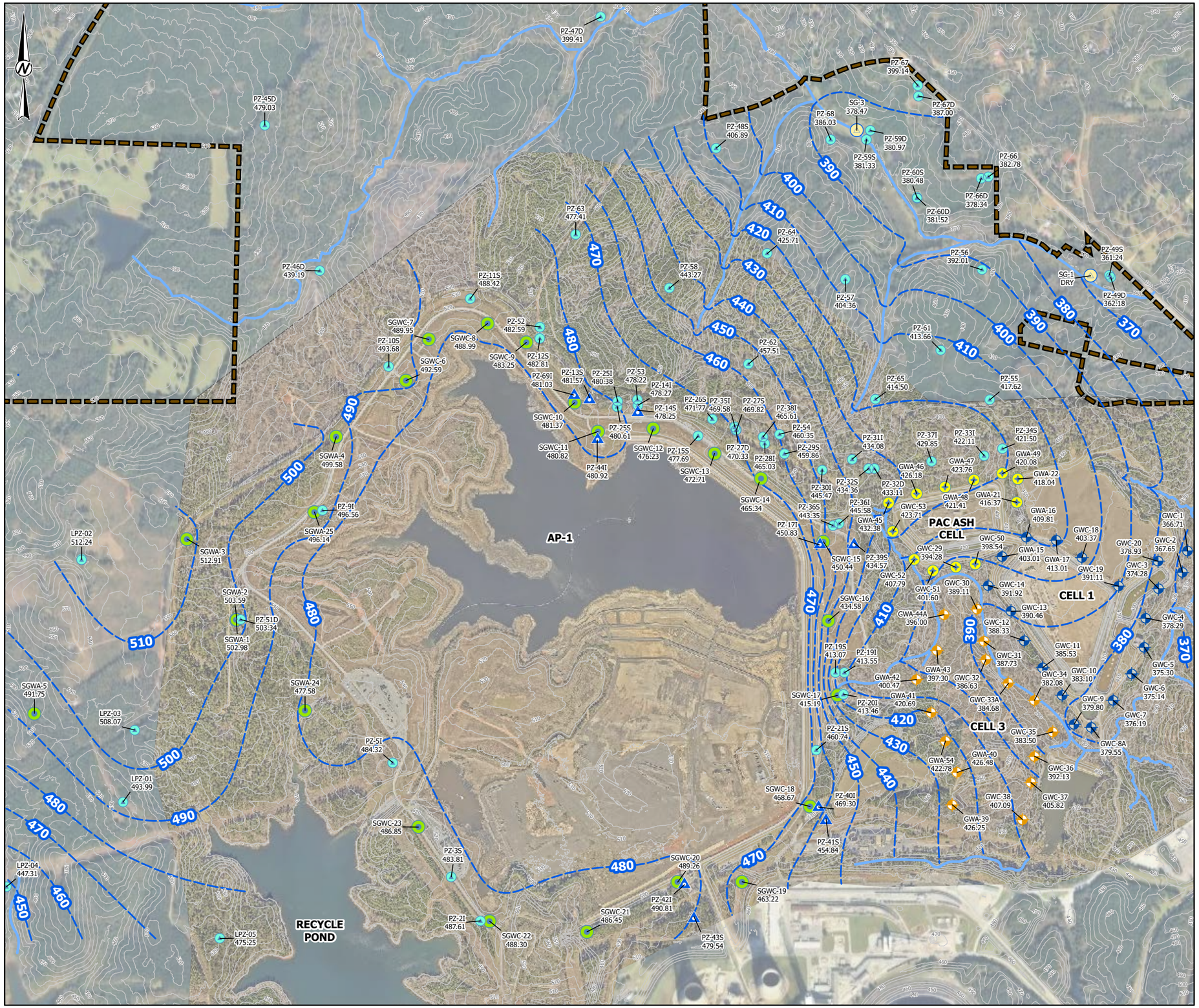
YYYY-MM-DD	2025-08-14
DESIGNED	RHG
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO.
31406440.018

FIGURE
2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 1in



LEGEND

- SCHERER ASH POND-CCR MONITORING WELL
- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- CELL 3 MONITORING WELL
- PIEZOMETER
- STREAM GAUGE LOCATION
- ASSESSMENT MONITORING WELL
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- STREAM
- PROPERTY BOUNDARY
- EXISTING TOPOGRAPHY

NOTE(S)

1. GROUNDWATER ELEVATIONS MEASUREMENTS OBTAINED FEBRUARY 18, 2025 BY WSP STAFF.
2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM (FT-NAVD 88).
3. **DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE POTENTIOMETRIC SURFACE CONTOURS.**
4. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY JORDAN ENGINEERING.
3. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
4. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.



0 600 1,200 2,400 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 SEMI-ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT
PLANT SCHERER - ASH POND 1

TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 18, 2025

CONSULTANT

wsp

YYYY-MM-DD	2025-08-04
DESIGNED	RHG
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO. 31406440.018 | REV 1 | FIGURE 3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

APPENDIX A

Field Data Forms and Instrument Calibration Records

APPENDIX A

Field Data Forms
February 2025

Low-Flow Test Report:

Test Date / Time: 2/19/2025 10:40:03 AM
Project: SCH-PZ-13S
Operator Name: Jake Stucky

Location Name: SCH-PZ-13S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.1 ft** **Total Depth: 48.1 ft** **Initial Depth to Water: 39 ft**	**Pump Type: Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 43.1 ft** **Estimated Total Volume Pumped: 16810 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

Weather Conditions:
Rain

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 %	+/- 5	+/- 10	+/- 0.3	
2/19/2025 10:40 AM	00:00	8.35 pH	11.70 °C	83.15 µS/cm	6.56 mg/L	455.00 NTU	-2.7 mV	39.00 ft	150.00 ml/min
2/19/2025 10:45 AM	05:00	5.44 pH	15.68 °C	70.04 µS/cm	1.40 mg/L	168.00 NTU	-18.2 mV	39.21 ft	200.00 ml/min
2/19/2025 10:50 AM	10:00	5.21 pH	15.78 °C	70.01 µS/cm	1.29 mg/L	140.00 NTU	-9.4 mV	39.25 ft	200.00 ml/min
2/19/2025 10:55 AM	15:00	5.18 pH	15.84 °C	69.87 µS/cm	1.15 mg/L	81.70 NTU	-3.2 mV	39.25 ft	200.00 ml/min
2/19/2025 11:00 AM	20:00	5.18 pH	15.93 °C	70.32 µS/cm	1.03 mg/L	46.20 NTU	1.2 mV	39.25 ft	200.00 ml/min
2/19/2025 11:05 AM	25:00	5.20 pH	16.06 °C	70.89 µS/cm	0.92 mg/L	36.50 NTU	3.9 mV	39.25 ft	200.00 ml/min
2/19/2025 11:10 AM	30:00	5.20 pH	16.01 °C	70.76 µS/cm	0.82 mg/L	22.90 NTU	6.8 mV	39.25 ft	200.00 ml/min
2/19/2025 11:11 AM	31:22	5.17 pH	16.02 °C	71.05 µS/cm	0.80 mg/L	22.90 NTU	8.0 mV	39.25 ft	200.00 ml/min
2/19/2025 11:14 AM	34:22	5.18 pH	15.97 °C	71.07 µS/cm	0.74 mg/L	13.70 NTU	8.7 mV	39.25 ft	200.00 ml/min
2/19/2025 11:17 AM	37:22	5.19 pH	15.89 °C	71.32 µS/cm	0.70 mg/L	8.57 NTU	10.0 mV	39.25 ft	200.00 ml/min
2/19/2025 11:20 AM	40:22	5.19 pH	15.97 °C	71.99 µS/cm	0.69 mg/L	8.24 NTU	11.1 mV	39.25 ft	200.00 ml/min
2/19/2025 11:23 AM	43:22	5.20 pH	15.93 °C	71.51 µS/cm	0.65 mg/L	7.40 NTU	11.2 mV	39.25 ft	200.00 ml/min
2/19/2025 11:26 AM	46:22	5.19 pH	15.74 °C	71.83 µS/cm	0.62 mg/L	6.74 NTU	12.6 mV	39.25 ft	200.00 ml/min

2/19/2025 11:29 AM	49:22	5.19 pH	15.84 °C	71.69 µS/cm	0.60 mg/L	4.94 NTU	13.3 mV	39.25 ft	200.00 ml/min
2/19/2025 11:32 AM	52:22	5.21 pH	15.84 °C	71.93 µS/cm	0.57 mg/L	4.10 NTU	13.4 mV	39.25 ft	200.00 ml/min
2/19/2025 11:33 AM	53:51	5.21 pH	15.80 °C	71.97 µS/cm	0.59 mg/L	4.10 NTU	13.8 mV	39.25 ft	200.00 ml/min
2/19/2025 11:38 AM	58:51	5.21 pH	15.99 °C	72.33 µS/cm	0.56 mg/L	3.65 NTU	14.9 mV	39.25 ft	200.00 ml/min
2/19/2025 11:43 AM	01:03:51	5.21 pH	15.93 °C	72.55 µS/cm	0.54 mg/L	4.03 NTU	15.9 mV	39.25 ft	200.00 ml/min
2/19/2025 11:48 AM	01:08:51	5.21 pH	15.98 °C	72.36 µS/cm	0.55 mg/L	3.13 NTU	17.0 mV	39.25 ft	200.00 ml/min
2/19/2025 11:53 AM	01:13:51	5.22 pH	15.72 °C	72.83 µS/cm	0.53 mg/L	3.58 NTU	18.0 mV	39.25 ft	200.00 ml/min
2/19/2025 11:58 AM	01:18:51	5.23 pH	15.62 °C	72.78 µS/cm	0.55 mg/L	2.89 NTU	19.0 mV	39.25 ft	200.00 ml/min
2/19/2025 12:03 PM	01:23:51	5.23 pH	16.02 °C	72.41 µS/cm	0.57 mg/L	2.70 NTU	19.1 mV	39.25 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-13S	
SCH-AP1-FD-3	

Low-Flow Test Report:

Test Date / Time: 2/19/2025 1:27:47 PM
Project: SCH-PZ-14S
Operator Name: Jake Stucky

Location Name: SCH-PZ-14S **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.25 ft** **Total Depth: 48.25 ft** **Initial Depth to Water: 33.86 ft**	**Pump Type: Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 43.25 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

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 %	+/- 5	+/- 10	+/- 0.3	
2/19/2025 1:27 PM	00:00	5.57 pH	16.00 °C	62.44 µS/cm	1.71 mg/L	19.50 NTU	38.1 mV	33.86 ft	150.00 ml/min
2/19/2025 1:32 PM	05:00	5.48 pH	16.72 °C	59.08 µS/cm	0.21 mg/L	13.80 NTU	40.5 mV	33.94 ft	150.00 ml/min
2/19/2025 1:37 PM	10:00	5.46 pH	16.79 °C	58.93 µS/cm	0.14 mg/L	7.80 NTU	40.6 mV	33.94 ft	150.00 ml/min
2/19/2025 1:42 PM	15:00	5.46 pH	16.83 °C	58.71 µS/cm	0.14 mg/L	4.01 NTU	40.7 mV	33.94 ft	150.00 ml/min
2/19/2025 1:47 PM	20:00	5.45 pH	16.96 °C	58.19 µS/cm	0.14 mg/L	2.47 NTU	40.7 mV	33.94 ft	150.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-14S	
SCH-AP1-FB-3	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/21/2025 10:28:41 AM
Project: SCH-PZ-17I
Operator Name: EEA

Location Name: SCH-PZ-17I **Latitude: 33.07911096056872** **Longitude: -83.80585437236604** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 90.35 ft** **Total Depth: 100.35 ft** **Initial Depth to Water: 31.08 ft**	**Pump Type: Dedicated** **Tubing Type: LPE** **Pump Intake From TOC: 95.35 ft** **Estimated Total Volume Pumped: 4000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

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 %	+/- 10 %	+/- 2	+/- 10	+/- 0.3	
2/21/2025 10:28 AM	00:00	8.07 pH	10.55 °C	491.74 µS/cm	10.56 mg/L		101.7 mV	31.08 ft	200.00 ml/min
2/21/2025 10:33 AM	05:00	7.08 pH	15.65 °C	390.93 µS/cm	0.68 mg/L	1.21 NTU	265.1 mV	32.80 ft	200.00 ml/min
2/21/2025 10:38 AM	10:00	7.02 pH	16.08 °C	370.49 µS/cm	0.25 mg/L	1.62 NTU	317.3 mV	33.00 ft	200.00 ml/min
2/21/2025 10:43 AM	15:00	7.01 pH	16.25 °C	378.05 µS/cm	0.20 mg/L	0.87 NTU	336.6 mV	33.10 ft	200.00 ml/min
2/21/2025 10:48 AM	20:00	7.00 pH	16.21 °C	382.00 µS/cm	0.20 mg/L	1.01 NTU	333.5 mV	33.20 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-17I	Sampled at 1048

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 3:00:13 PM
Project: SCH-PZ-25I
Operator Name: Jake Stucky

Location Name: SCH-PZ-25I **Latitude: 33.083748600178716** **Longitude: -83.8140809465268** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 120.9 ft** **Total Depth: 130.9 ft** **Initial Depth to Water: 48.04 ft**	**Pump Type: Bladder** **Tubing Type: LPDE** **Pump Intake From TOC: 125.9 ft** **Estimated Total Volume Pumped: 9532.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.79 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

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	+/- 10	+/- 0.3	
2/20/2025 3:00 PM	00:00	11.52 pH	10.12 °C	450.71 µS/cm	3.88 mg/L	9.44 NTU	4.0 mV	48.04 ft	150.00 ml/min
2/20/2025 3:05 PM	05:00	11.68 pH	14.67 °C	476.67 µS/cm	1.19 mg/L	11.00 NTU	-13.4 mV	48.58 ft	150.00 ml/min
2/20/2025 3:10 PM	10:00	11.65 pH	15.67 °C	472.51 µS/cm	0.84 mg/L	11.20 NTU	-21.4 mV	48.75 ft	150.00 ml/min
2/20/2025 3:15 PM	15:00	11.66 pH	15.52 °C	475.35 µS/cm	0.43 mg/L	11.00 NTU	-26.9 mV	48.83 ft	150.00 ml/min
2/20/2025 3:20 PM	20:00	11.65 pH	15.70 °C	470.72 µS/cm	0.30 mg/L	10.10 NTU	-31.0 mV	48.83 ft	150.00 ml/min
2/20/2025 3:25 PM	25:00	11.64 pH	15.75 °C	449.35 µS/cm	0.25 mg/L	8.30 NTU	-32.8 mV	48.83 ft	150.00 ml/min
2/20/2025 3:30 PM	30:00	9.75 pH	15.97 °C	249.52 µS/cm	0.15 mg/L	6.00 NTU	-9.8 mV	48.83 ft	150.00 ml/min
2/20/2025 3:35 PM	35:00	8.27 pH	16.16 °C	262.43 µS/cm	0.18 mg/L	1.96 NTU	-43.3 mV	48.83 ft	150.00 ml/min
2/20/2025 3:40 PM	40:00	7.71 pH	15.95 °C	254.85 µS/cm	0.17 mg/L	1.99 NTU	-33.2 mV	48.83 ft	150.00 ml/min
2/20/2025 3:45 PM	45:00	7.38 pH	15.79 °C	246.21 µS/cm	0.15 mg/L	1.43 NTU	-22.9 mV	48.83 ft	150.00 ml/min
2/20/2025 3:50 PM	50:00	7.18 pH	15.84 °C	240.28 µS/cm	0.14 mg/L	1.75 NTU	-15.7 mV	48.83 ft	150.00 ml/min
2/20/2025 3:55 PM	55:00	7.05 pH	15.57 °C	236.13 µS/cm	0.12 mg/L	0.95 NTU	-9.1 mV	48.83 ft	150.00 ml/min
2/20/2025 4:00 PM	01:00:00	6.95 pH	15.88 °C	234.20 µS/cm	0.12 mg/L	1.06 NTU	-5.0 mV	48.83 ft	150.00 ml/min
2/20/2025 4:00 PM	01:00:33	6.93 pH	15.89 °C	234.04 µS/cm	0.12 mg/L	1.06 NTU	-3.7 mV	48.83 ft	150.00 ml/min
2/20/2025 4:03 PM	01:03:33	6.89 pH	15.75 °C	230.96 µS/cm	0.11 mg/L	0.75 NTU	-1.4 mV	48.83 ft	150.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-25I	Sampled at 1604

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 1:23:11 PM
Project: SCH-PZ-25S
Operator Name: Jake Stucky

Location Name: SCH-PZ-25S **Latitude: 33.083748600178716** **Longitude: -83.8140809465268** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 48.05 ft** **Total Depth: 58.05 ft** **Initial Depth to Water: 47.68 ft**	**Pump Type: Bladder** **Tubing Type: LPDE** **Pump Intake From TOC: 53.05 ft** **Estimated Total Volume Pumped: 3377.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.94 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

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	+/- 10	+/- 0.3	
2/20/2025 1:23 PM	00:00	5.35 pH	17.00 °C	31.96 µS/cm	4.67 mg/L	4.93 NTU	11.7 mV	47.68 ft	150.00 ml/min
2/20/2025 1:26 PM	03:00	4.76 pH	16.30 °C	32.53 µS/cm	1.56 mg/L	3.94 NTU	-7.9 mV	48.54 ft	150.00 ml/min
2/20/2025 1:27 PM	03:49	4.74 pH	16.29 °C	32.59 µS/cm	1.56 mg/L	3.94 NTU	-8.5 mV	48.54 ft	150.00 ml/min
2/20/2025 1:32 PM	08:49	4.68 pH	15.57 °C	32.37 µS/cm	1.64 mg/L	3.58 NTU	-2.2 mV	48.62 ft	150.00 ml/min
2/20/2025 1:37 PM	13:49	4.66 pH	14.80 °C	31.93 µS/cm	1.56 mg/L	2.33 NTU	1.0 mV	48.62 ft	150.00 ml/min
2/20/2025 1:42 PM	18:49	4.65 pH	14.04 °C	32.22 µS/cm	1.41 mg/L	1.15 NTU	1.2 mV	48.62 ft	150.00 ml/min
2/20/2025 1:45 PM	22:31	4.65 pH	14.35 °C	32.06 µS/cm	1.37 mg/L	1.11 NTU	2.3 mV	48.62 ft	150.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-25S	sampled at 1346

Low-Flow Test Report:

Test Date / Time: 2/24/2025 2:16:45 PM
Project: SCH-PZ-39S
Operator Name: Zach West

Location Name: SCH-PZ-39S **Latitude: 33.07912564152908** **Longitude: -83.80465102175498** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 70.38 ft** **Total Depth: 80.38 ft** **Initial Depth to Water: 39.7 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 75 ft** **Estimated Total Volume Pumped: 3200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 1.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Fe = 0

Weather Conditions:
Clear 62

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	+/- 2	+/- 10	+/- 0.3	
2/24/2025 2:16 PM	00:00	6.65 pH	20.56 °C	215.61 µS/cm	1.24 mg/L	0.99 NTU	72.4 mV	39.70 ft	160.00 ml/min
2/24/2025 2:21 PM	05:00	6.63 pH	19.74 °C	219.91 µS/cm	0.59 mg/L	1.95 NTU	145.9 mV	40.75 ft	160.00 ml/min
2/24/2025 2:26 PM	10:00	6.62 pH	19.67 °C	219.35 µS/cm	0.54 mg/L	0.81 NTU	157.7 mV	40.85 ft	160.00 ml/min
2/24/2025 2:31 PM	15:00	6.62 pH	19.65 °C	218.65 µS/cm	0.45 mg/L	0.73 NTU	155.2 mV	40.85 ft	160.00 ml/min
2/24/2025 2:36 PM	20:00	6.61 pH	19.62 °C	218.03 µS/cm	0.39 mg/L	0.72 NTU	146.4 mV	40.85 ft	160.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-39S	

Low-Flow Test Report:

Test Date / Time: 2/20/2025 2:20:40 PM
Project: SCH-PZ-40I
Operator Name: Zach West

Location Name: SCH-PZ-40I **Latitude: 33.07028165902348** **Longitude: -83.80643096257366** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 75.93 ft** **Total Depth: 85.93 ft** **Initial Depth to Water: 44.8 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 80 ft** **Estimated Total Volume Pumped: 9570 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.85 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Fe = 1

Weather Conditions:
Clear 40

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	+/- 2	+/- 10	+/- 0.3	
2/20/2025 2:20 PM	00:00	6.27 pH	16.96 °C	1,308.4 µS/cm	0.64 mg/L	0.46 NTU	22.7 mV	44.80 ft	200.00 ml/min
2/20/2025 2:25 PM	05:00	6.33 pH	17.54 °C	1,201.6 µS/cm	0.37 mg/L	0.52 NTU	18.6 mV	46.02 ft	200.00 ml/min
2/20/2025 2:30 PM	10:00	6.76 pH	17.44 °C	859.94 µS/cm	0.21 mg/L	0.71 NTU	3.0 mV	46.72 ft	200.00 ml/min
2/20/2025 2:33 PM	12:51	6.74 pH	17.62 °C	883.95 µS/cm	0.18 mg/L	0.71 NTU	9.4 mV	46.72 ft	200.00 ml/min
2/20/2025 2:38 PM	17:51	6.68 pH	17.27 °C	938.26 µS/cm	0.17 mg/L	0.57 NTU	14.3 mV	47.40 ft	200.00 ml/min
2/20/2025 2:43 PM	22:51	6.63 pH	17.39 °C	1,006.2 µS/cm	0.18 mg/L	0.55 NTU	16.3 mV	47.75 ft	200.00 ml/min
2/20/2025 2:48 PM	27:51	6.57 pH	17.18 °C	1,057.4 µS/cm	0.19 mg/L	0.50 NTU	17.7 mV	48.10 ft	200.00 ml/min
2/20/2025 2:53 PM	32:51	6.51 pH	17.09 °C	1,108.3 µS/cm	0.19 mg/L	0.41 NTU	17.2 mV	48.30 ft	200.00 ml/min
2/20/2025 2:58 PM	37:51	6.46 pH	17.44 °C	1,151.5 µS/cm	0.20 mg/L	0.40 NTU	18.6 mV	48.46 ft	200.00 ml/min
2/20/2025 3:03 PM	42:51	6.42 pH	17.25 °C	1,178.3 µS/cm	0.19 mg/L	0.45 NTU	15.9 mV	48.55 ft	200.00 ml/min
2/20/2025 3:08 PM	47:51	6.39 pH	17.21 °C	1,192.5 µS/cm	0.18 mg/L	0.25 NTU	20.1 mV	48.65 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-40I	Fe = 1

Low-Flow Test Report:

Test Date / Time: 2/21/2025 9:26:47 AM
Project: SCH-PZ-41S
Operator Name: Zach West

Location Name: SCH-PZ-41S **Latitude: 33.069808982584036** **Longitude: -83.80583262370897** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.42 ft** **Total Depth: 47.42 ft** **Initial Depth to Water: 33.73 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 42 ft** **Estimated Total Volume Pumped: 3100 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Fe = 0

Weather Conditions:
29 clear

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	+/- 2	+/- 10	+/- 0.3	
2/21/2025 9:26 AM	00:00	6.09 pH	14.52 °C	1,409.3 µS/cm	3.32 mg/L	14.20 NTU	134.2 mV	33.73 ft	160.00 ml/min
2/21/2025 9:31 AM	05:00	6.02 pH	15.08 °C	1,366.4 µS/cm	2.15 mg/L	11.10 NTU	119.1 mV	33.73 ft	160.00 ml/min
2/21/2025 9:36 AM	10:00	5.97 pH	14.39 °C	1,373.1 µS/cm	1.52 mg/L	6.97 NTU	113.2 mV	34.84 ft	100.00 ml/min
2/21/2025 9:41 AM	15:00	5.95 pH	14.53 °C	1,373.6 µS/cm	1.12 mg/L	3.28 NTU	109.3 mV	34.84 ft	100.00 ml/min
2/21/2025 9:46 AM	20:00	5.94 pH	14.77 °C	1,379.9 µS/cm	0.98 mg/L	2.94 NTU	105.7 mV	34.84 ft	100.00 ml/min
2/21/2025 9:51 AM	25:00	5.93 pH	14.91 °C	1,376.0 µS/cm	0.94 mg/L	2.39 NTU	108.7 mV	34.84 ft	100.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-41S	

Low-Flow Test Report:

Test Date / Time: 2/20/2025 1:26:41 PM
Project: SCH-PZ-42I
Operator Name: EEA

Location Name: SCH-PZ-42I **Latitude: 33.06766400127456** **Longitude: -83.81172394878776** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 87.46 ft** **Total Depth: 97.46 ft** **Initial Depth to Water: 12.3 ft**	**Pump Type: Peristaltic** **Tubing Type: LPE** **Pump Intake From TOC: 92.46 ft** **Estimated Total Volume Pumped: 5896.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 2.25 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

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 %	+/- 10 %	+/- 2	+/- 10	+/- 0.3	
2/20/2025 1:26 PM	00:00	4.26 pH	10.60 °C	0.26 µS/cm	10.23 mg/L		310.0 mV	12.30 ft	200.00 ml/min
2/20/2025 1:30 PM	03:58	6.91 pH	11.25 °C	685.93 µS/cm	0.93 mg/L	5.48 NTU	136.4 mV	13.55 ft	200.00 ml/min
2/20/2025 1:35 PM	08:58	7.23 pH	12.41 °C	666.44 µS/cm	0.97 mg/L	1.35 NTU	117.1 mV	14.33 ft	200.00 ml/min
2/20/2025 1:40 PM	13:58	7.32 pH	12.73 °C	683.22 µS/cm	1.05 mg/L	1.45 NTU	75.9 mV	14.43 ft	175.00 ml/min
2/20/2025 1:43 PM	16:42	7.32 pH	11.73 °C	683.45 µS/cm	0.51 mg/L	1.27 NTU	17.6 mV	14.48 ft	175.00 ml/min
2/20/2025 1:48 PM	21:42	7.32 pH	11.62 °C	689.43 µS/cm	0.21 mg/L	1.74 NTU	20.0 mV	14.51 ft	175.00 ml/min
2/20/2025 1:53 PM	26:42	7.32 pH	11.70 °C	686.53 µS/cm	0.15 mg/L	1.81 NTU	10.1 mV	14.54 ft	175.00 ml/min
2/20/2025 1:58 PM	31:42	7.33 pH	11.88 °C	679.46 µS/cm	0.11 mg/L	1.07 NTU	8.5 mV	14.55 ft	175.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-42I	Sampled at 1400

Low-Flow Test Report:

Test Date / Time: 2/24/2025 11:01:25 AM
Project: Schemer SAGW01 2025
Operator Name: Jake Stucky

Location Name: SCH-PZ-43S **Latitude: 33.06601917522167** **Longitude: -83.8068835636683** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.9 ft** **Total Depth: 53.9 ft** **Initial Depth to Water: 24.57 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 49 ft** **Estimated Total Volume Pumped: 63321.668 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 350 ml/min** **Final Draw Down: 3.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

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 %	+/- 5	+/- 10	+/- 0.3	
2/24/2025 11:01 AM	00:00	7.88 pH	17.14 °C	432.45 µS/cm	8.31 mg/L	6.32 NTU	42.6 mV	24.57 ft	250.00 ml/min
2/24/2025 11:06 AM	05:00	11.89 pH	17.30 °C	931.04 µS/cm	3.96 mg/L	1.39 NTU	4.1 mV	26.42 ft	250.00 ml/min
2/24/2025 11:11 AM	10:00	11.99 pH	17.40 °C	1,016.3 µS/cm	3.66 mg/L	1.92 NTU	2.9 mV	26.88 ft	250.00 ml/min
2/24/2025 11:16 AM	15:00	12.00 pH	17.15 °C	988.15 µS/cm	3.37 mg/L	1.73 NTU	10.2 mV	26.78 ft	250.00 ml/min
2/24/2025 11:21 AM	20:00	11.96 pH	17.19 °C	925.91 µS/cm	3.19 mg/L	1.61 NTU	21.4 mV	26.73 ft	250.00 ml/min
2/24/2025 11:26 AM	25:00	11.91 pH	17.18 °C	867.24 µS/cm	3.01 mg/L	1.07 NTU	30.0 mV	26.77 ft	250.00 ml/min
2/24/2025 11:31 AM	30:00	11.84 pH	17.27 °C	784.29 µS/cm	2.76 mg/L	1.34 NTU	32.7 mV	26.72 ft	250.00 ml/min
2/24/2025 11:36 AM	35:00	11.76 pH	17.11 °C	717.77 µS/cm	2.54 mg/L	1.09 NTU	33.9 mV	26.50 ft	150.00 ml/min
2/24/2025 11:41 AM	40:00	11.66 pH	16.91 °C	655.18 µS/cm	2.31 mg/L	0.64 NTU	34.1 mV	26.40 ft	400.00 ml/min
2/24/2025 11:46 AM	45:00	11.48 pH	17.62 °C	588.26 µS/cm	2.13 mg/L	0.99 NTU	39.5 mV	27.58 ft	400.00 ml/min
2/24/2025 11:51 AM	50:00	11.08 pH	17.67 °C	494.01 µS/cm	1.67 mg/L	0.96 NTU	45.9 mV	27.77 ft	400.00 ml/min
2/24/2025 11:56 AM	55:00	10.95 pH	17.72 °C	476.48 µS/cm	1.57 mg/L	0.87 NTU	51.1 mV	28.09 ft	400.00 ml/min
2/24/2025 12:01 PM	01:00:00	10.77 pH	17.62 °C	451.92 µS/cm	1.47 mg/L	0.53 NTU	57.1 mV	28.09 ft	400.00 ml/min
2/24/2025 12:06 PM	01:05:00	10.52 pH	17.93 °C	445.70 µS/cm	1.37 mg/L	0.49 NTU	60.4 mV	28.05 ft	400.00 ml/min
2/24/2025 12:11 PM	01:10:00	10.15 pH	17.88 °C	438.20 µS/cm	1.13 mg/L	0.34 NTU	64.9 mV	28.35 ft	400.00 ml/min

2/24/2025 12:16 PM	01:15:00	9.94 pH	17.94 °C	438.69 µS/cm	1.03 mg/L	0.50 NTU	65.3 mV	28.46 ft	400.00 ml/min
2/24/2025 12:21 PM	01:20:00	9.84 pH	17.89 °C	436.20 µS/cm	1.00 mg/L	0.72 NTU	66.6 mV	28.46 ft	400.00 ml/min
2/24/2025 12:26 PM	01:25:00	9.77 pH	17.89 °C	435.20 µS/cm	0.99 mg/L	0.29 NTU	68.1 mV	28.46 ft	400.00 ml/min
2/24/2025 12:31 PM	01:30:00	9.53 pH	17.90 °C	434.99 µS/cm	0.88 mg/L	0.25 NTU	71.3 mV	28.55 ft	400.00 ml/min
2/24/2025 12:36 PM	01:35:00	9.23 pH	17.82 °C	436.06 µS/cm	0.76 mg/L	0.44 NTU	71.2 mV	28.80 ft	400.00 ml/min
2/24/2025 12:41 PM	01:40:00	9.12 pH	17.86 °C	432.55 µS/cm	0.78 mg/L	0.32 NTU	72.1 mV	28.79 ft	400.00 ml/min
2/24/2025 12:46 PM	01:45:00	9.11 pH	17.86 °C	434.63 µS/cm	0.79 mg/L	0.30 NTU	71.6 mV	28.88 ft	400.00 ml/min
2/24/2025 12:51 PM	01:50:00	8.90 pH	17.89 °C	435.58 µS/cm	0.74 mg/L	0.27 NTU	72.4 mV	28.89 ft	400.00 ml/min
2/24/2025 12:56 PM	01:55:00	8.68 pH	17.91 °C	433.66 µS/cm	0.71 mg/L	0.25 NTU	74.8 mV	28.22 ft	400.00 ml/min
2/24/2025 1:01 PM	02:00:00	8.40 pH	17.90 °C	434.03 µS/cm	0.64 mg/L	1.00 NTU	75.3 mV	28.22 ft	400.00 ml/min
2/24/2025 1:06 PM	02:05:00	8.31 pH	17.85 °C	430.68 µS/cm	0.62 mg/L	1.00 NTU	76.8 mV	26.48 ft	0.00 ml/min
2/24/2025 1:11 PM	02:10:00	8.12 pH	17.64 °C	350.16 µS/cm	8.67 mg/L	1.00 NTU	79.8 mV	27.01 ft	0.00 ml/min
2/24/2025 1:16 PM	02:15:00	8.01 pH	17.55 °C	405.53 µS/cm	1.14 mg/L	0.98 NTU	77.9 mV	27.35 ft	350.00 ml/min
2/24/2025 1:21 PM	02:20:00	7.96 pH	17.77 °C	432.51 µS/cm	0.82 mg/L	0.81 NTU	77.6 mV	27.43 ft	350.00 ml/min
2/24/2025 1:26 PM	02:25:00	7.79 pH	17.83 °C	432.10 µS/cm	0.58 mg/L	0.54 NTU	78.6 mV	27.77 ft	350.00 ml/min
2/24/2025 1:31 PM	02:30:00	7.68 pH	17.80 °C	429.90 µS/cm	0.55 mg/L	0.14 NTU	79.0 mV	27.77 ft	350.00 ml/min
2/24/2025 1:36 PM	02:35:00	7.65 pH	17.86 °C	432.44 µS/cm	0.54 mg/L	0.31 NTU	78.0 mV	27.79 ft	350.00 ml/min
2/24/2025 1:41 PM	02:40:00	7.79 pH	17.82 °C	431.38 µS/cm	0.75 mg/L	0.16 NTU	78.3 mV	27.85 ft	350.00 ml/min
2/24/2025 1:46 PM	02:45:00	7.76 pH	17.83 °C	433.90 µS/cm	0.61 mg/L	0.60 NTU	77.9 mV	27.82 ft	350.00 ml/min
2/24/2025 1:51 PM	02:50:00	7.70 pH	17.82 °C	430.67 µS/cm	0.59 mg/L	0.48 NTU	78.8 mV	27.76 ft	350.00 ml/min
2/24/2025 1:56 PM	02:55:00	7.61 pH	17.83 °C	428.45 µS/cm	0.61 mg/L	0.21 NTU	79.1 mV	27.74 ft	350.00 ml/min
2/24/2025 2:01 PM	03:00:00	7.53 pH	17.83 °C	428.51 µS/cm	0.55 mg/L	0.25 NTU	79.3 mV	27.72 ft	350.00 ml/min
2/24/2025 2:06 PM	03:05:00	7.49 pH	17.91 °C	430.42 µS/cm	0.52 mg/L	0.23 NTU	78.5 mV	27.70 ft	350.00 ml/min
2/24/2025 2:11 PM	03:10:00	7.43 pH	17.96 °C	427.78 µS/cm	0.48 mg/L	0.26 NTU	79.3 mV	27.69 ft	350.00 ml/min

Samples

Sample ID:	Description:

SCH-PZ-43S	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/24/2025 10:45:45 AM
Project: SCH-PZ-44I
Operator Name: Zach West

Location Name: SCH-PZ-44I **Latitude: 33.08280173581496** **Longitude: -83.81478166080298** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 107.2 ft** **Total Depth: 117.2 ft** **Initial Depth to Water: 29.57 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 112.2 ft** **Estimated Total Volume Pumped: 3200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 1.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Fe = 1.5

Weather Conditions:
54 cloudy

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	+/- 2	+/- 10	+/- 0.3	
2/24/2025 10:45 AM	00:00	7.23 pH	16.04 °C	216.32 µS/cm	5.32 mg/L	0.68 NTU	27.9 mV	29.57 ft	160.00 ml/min
2/24/2025 10:50 AM	05:00	6.79 pH	18.16 °C	237.80 µS/cm	0.20 mg/L	1.24 NTU	-18.6 mV	30.50 ft	160.00 ml/min
2/24/2025 10:55 AM	10:00	6.79 pH	18.17 °C	243.20 µS/cm	0.12 mg/L	1.38 NTU	-23.3 mV	30.65 ft	160.00 ml/min
2/24/2025 11:00 AM	15:00	6.78 pH	18.23 °C	241.18 µS/cm	0.09 mg/L	0.79 NTU	-39.2 mV	30.60 ft	160.00 ml/min
2/24/2025 11:05 AM	20:00	6.77 pH	18.28 °C	238.81 µS/cm	0.08 mg/L	0.43 NTU	-21.7 mV	30.60 ft	160.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-44I	FE=1.5

Low-Flow Test Report:

Test Date / Time: 2/24/2025 11:58:01 AM
Project: SCH-PZ-69I
Operator Name: Zach West

Location Name: SCH-PZ-69I **Latitude: 33.083886393467054** **Longitude: -83.81577294326586** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 98.16 ft** **Total Depth: 108.16 ft** **Initial Depth to Water: 27.95 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: ~103 ft** **Estimated Total Volume Pumped: 4330 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Fe = 1.5

Weather Conditions:
Clear 57

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	+/- 2	+/- 10	+/- 0.3	
2/24/2025 11:58 AM	00:00	6.60 pH	18.91 °C	404.29 µS/cm	0.48 mg/L	0.66 NTU	29.4 mV	27.95 ft	200.00 ml/min
2/24/2025 12:03 PM	05:00	6.59 pH	18.88 °C	437.98 µS/cm	0.10 mg/L	0.26 NTU	23.5 mV	28.05 ft	200.00 ml/min
2/24/2025 12:08 PM	10:00	6.58 pH	18.93 °C	437.53 µS/cm	0.07 mg/L	0.24 NTU	29.1 mV	28.05 ft	200.00 ml/min
2/24/2025 12:09 PM	11:39	6.58 pH	19.05 °C	435.87 µS/cm	0.07 mg/L	0.17 NTU	29.3 mV	28.05 ft	200.00 ml/min
2/24/2025 12:14 PM	16:39	6.58 pH	19.07 °C	433.14 µS/cm	0.05 mg/L	0.20 NTU	29.9 mV	28.05 ft	200.00 ml/min
2/24/2025 12:19 PM	21:39	6.57 pH	19.01 °C	429.73 µS/cm	0.05 mg/L	0.14 NTU	33.4 mV	28.05 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-PZ-69I	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 10:19:21 AM
Project: SCS Plant Scherer
Operator Name: Dana Bloomfield

Location Name: SCH-SGWA-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.02 ft** **Total Depth: 50.02 ft** **Initial Depth to Water: 43.79 m**	**Pump Type: Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 44.6 ft** **Estimated Total Volume Pumped: 17375 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 0.42 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:
DTW below top of screen, completed 3WV purge prior to sampling

Weather Conditions:
Cloudy 45

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 0.3	
2/20/2025 10:19 AM	00:00	6.29 pH	10.86 °C	46.52 µS/cm	10.53 mg/L	4.91 NTU	150.8 mV	43.79 ft	200.00 ml/min
2/20/2025 10:24 AM	05:00	5.47 pH	16.45 °C	38.27 µS/cm	3.81 mg/L	16.60 NTU	110.5 mV	44.00 ft	150.00 ml/min
2/20/2025 10:29 AM	10:00	5.48 pH	16.81 °C	37.70 µS/cm	2.86 mg/L	16.50 NTU	82.5 mV	44.01 ft	150.00 ml/min
2/20/2025 10:34 AM	15:00	5.44 pH	16.45 °C	34.99 µS/cm	2.75 mg/L	15.20 NTU	69.8 mV	44.03 ft	175.00 ml/min
2/20/2025 10:39 AM	20:00	5.44 pH	17.07 °C	34.99 µS/cm	2.45 mg/L	7.49 NTU	106.5 mV	44.09 ft	175.00 ml/min
2/20/2025 10:44 AM	25:00	5.44 pH	17.30 °C	33.49 µS/cm	2.32 mg/L	6.23 NTU	65.6 mV	44.11 ft	175.00 ml/min
2/20/2025 10:49 AM	30:00	5.45 pH	17.34 °C	33.39 µS/cm	2.19 mg/L	11.60 NTU	62.5 mV	44.29 ft	175.00 ml/min
2/20/2025 10:54 AM	35:00	5.45 pH	17.34 °C	32.72 µS/cm	2.06 mg/L	8.23 NTU	59.6 mV	44.34 ft	175.00 ml/min
2/20/2025 10:59 AM	40:00	5.46 pH	17.47 °C	33.45 µS/cm	2.04 mg/L	7.43 NTU	57.7 mV	44.36 ft	175.00 ml/min
2/20/2025 11:04 AM	45:00	5.47 pH	17.46 °C	33.36 µS/cm	2.07 mg/L	8.78 NTU	56.3 mV	44.35 ft	175.00 ml/min
2/20/2025 11:09 AM	50:00	5.47 pH	17.43 °C	33.50 µS/cm	1.94 mg/L	5.43 NTU	55.0 mV	44.35 ft	175.00 ml/min
2/20/2025 11:14 AM	55:00	5.47 pH	17.54 °C	32.92 µS/cm	1.88 mg/L	11.90 NTU	53.9 mV	44.30 ft	175.00 ml/min
2/20/2025 11:19 AM	01:00:00	5.47 pH	17.74 °C	32.68 µS/cm	1.78 mg/L	14.90 NTU	52.3 mV	44.25 ft	175.00 ml/min

2/20/2025 11:24 AM	01:05:00	5.50 pH	17.01 °C	34.11 µS/cm	2.17 mg/L	6.49 NTU	89.7 mV	44.24 ft	175.00 ml/min
2/20/2025 11:29 AM	01:10:00	5.48 pH	17.01 °C	33.57 µS/cm	2.27 mg/L	15.20 NTU	54.7 mV	44.21 ft	175.00 ml/min
2/20/2025 11:34 AM	01:15:00	5.49 pH	16.85 °C	33.14 µS/cm	2.11 mg/L	13.10 NTU	54.2 mV	44.21 ft	175.00 ml/min
2/20/2025 11:39 AM	01:20:00	5.48 pH	16.90 °C	32.90 µS/cm	1.99 mg/L	12.60 NTU	52.9 mV	44.21 ft	175.00 ml/min
2/20/2025 11:44 AM	01:25:00	5.44 pH	16.93 °C	32.45 µS/cm	1.89 mg/L	11.50 NTU	52.4 mV	44.21 ft	175.00 ml/min
2/20/2025 11:49 AM	01:30:00	5.43 pH	17.13 °C	32.41 µS/cm	1.82 mg/L	7.76 NTU	51.8 mV	44.21 ft	175.00 ml/min
2/20/2025 11:54 AM	01:35:00	5.44 pH	17.07 °C	32.55 µS/cm	1.83 mg/L	6.01 NTU	51.6 mV	44.21 ft	175.00 ml/min
2/20/2025 11:59 AM	01:40:00	5.44 pH	17.05 °C	32.30 µS/cm	1.83 mg/L	4.53 NTU	50.7 mV	44.21 ft	175.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWA-1	Sample time 11:59

Low-Flow Test Report:

Test Date / Time: 2/20/2025 12:31:08 PM
Project: SCH-SGWA-2
Operator Name: Dana Bloomfield

Location Name: SCH-SGWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 88.5 ft** **Total Depth: 98.5 ft** **Initial Depth to Water: 43.83 ft**	**Pump Type: Dedicated** **Tubing Type: LDPE** **Pump Intake From TOC: 91.05 ft** **Estimated Total Volume Pumped: 20000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.38 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:

Weather Conditions:
Cloudy 40

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 0.3	
2/20/2025 12:31 PM	00:00	6.86 pH	13.33 °C	125.60 µS/cm	10.57 mg/L	2.72 NTU	78.4 mV	43.83 ft	200.00 ml/min
2/20/2025 12:36 PM	05:00	6.93 pH	15.49 °C	122.86 µS/cm	7.65 mg/L	0.83 NTU	46.1 mV	44.70 ft	200.00 ml/min
2/20/2025 12:41 PM	10:00	6.94 pH	16.13 °C	126.82 µS/cm	6.11 mg/L	0.98 NTU	42.3 mV	45.39 ft	200.00 ml/min
2/20/2025 12:46 PM	15:00	6.96 pH	15.68 °C	121.63 µS/cm	6.59 mg/L	0.32 NTU	41.2 mV	45.28 ft	200.00 ml/min
2/20/2025 12:51 PM	20:00	6.97 pH	15.72 °C	115.94 µS/cm	6.54 mg/L	0.55 NTU	40.6 mV	45.28 ft	200.00 ml/min
2/20/2025 12:56 PM	25:00	6.96 pH	15.82 °C	120.79 µS/cm	6.85 mg/L	0.96 NTU	69.3 mV	45.28 ft	200.00 ml/min
2/20/2025 1:01 PM	30:00	6.96 pH	16.16 °C	114.74 µS/cm	6.21 mg/L	0.62 NTU	41.4 mV	45.28 ft	200.00 ml/min
2/20/2025 1:06 PM	35:00	6.97 pH	15.82 °C	120.07 µS/cm	6.75 mg/L	0.74 NTU	40.4 mV	45.28 ft	200.00 ml/min
2/20/2025 1:11 PM	40:00	6.97 pH	15.68 °C	116.66 µS/cm	6.59 mg/L	0.80 NTU	69.0 mV	45.28 ft	200.00 ml/min
2/20/2025 1:16 PM	45:00	6.98 pH	15.49 °C	110.93 µS/cm	7.23 mg/L	0.44 NTU	40.7 mV	45.28 ft	200.00 ml/min
2/20/2025 1:21 PM	50:00	6.97 pH	15.54 °C	119.08 µS/cm	6.14 mg/L	0.19 NTU	39.7 mV	45.28 ft	200.00 ml/min
2/20/2025 1:26 PM	55:00	6.97 pH	15.50 °C	117.66 µS/cm	6.44 mg/L	0.86 NTU	68.9 mV	45.28 ft	200.00 ml/min
2/20/2025 1:31 PM	01:00:00	6.96 pH	15.80 °C	114.86 µS/cm	7.10 mg/L	0.76 NTU	41.0 mV	45.28 ft	200.00 ml/min

2/20/2025 1:36 PM	01:05:00	6.97 pH	15.59 °C	116.23 µS/cm	5.99 mg/L	0.92 NTU	41.3 mV	45.28 ft	200.00 ml/min
2/20/2025 1:41 PM	01:10:00	6.98 pH	15.63 °C	117.18 µS/cm	5.81 mg/L	0.43 NTU	40.9 mV	45.28 ft	200.00 ml/min
2/20/2025 1:46 PM	01:15:00	6.96 pH	15.73 °C	106.87 µS/cm	6.30 mg/L	0.63 NTU	69.9 mV	45.28 ft	200.00 ml/min
2/20/2025 1:51 PM	01:20:00	6.97 pH	16.01 °C	121.13 µS/cm	7.26 mg/L	0.23 NTU	40.1 mV	45.28 ft	200.00 ml/min
2/20/2025 1:56 PM	01:25:00	6.98 pH	15.90 °C	114.51 µS/cm	6.46 mg/L	0.58 NTU	39.9 mV	45.28 ft	200.00 ml/min
2/20/2025 2:01 PM	01:30:00	6.97 pH	16.02 °C	115.72 µS/cm		0.76 NTU	67.9 mV	45.28 ft	200.00 ml/min
2/20/2025 2:06 PM	01:35:00	6.96 pH	16.18 °C	115.73 µS/cm		0.96 NTU	40.2 mV	45.28 ft	200.00 ml/min
2/20/2025 2:11 PM	01:40:00	6.95 pH	15.83 °C	112.17 µS/cm		0.54 NTU	40.4 mV	45.28 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWA-2	Sample time 14:11

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 1:58:58 PM
Project: SCH-SGWA-3
Operator Name: Daniel Howard

Location Name: SCH-SGWA-3 **Latitude: 33.08268253228914** **Longitude: -83.82533012897132** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.8 ft** **Total Depth: 52.8 ft** **Initial Depth to Water: 32.91 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 47.8 ft** **Estimated Total Volume Pumped: 3500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.92 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:
Sample time 1433

Weather Conditions:
Clear and 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 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/20/2025 1:58 PM	00:00	6.58 pH	17.16 °C	83.15 µS/cm	9.18 mg/L	2.05 NTU	176.5 mV	32.91 ft	100.00 ml/min
2/20/2025 2:03 PM	05:00	5.96 pH	15.82 °C	85.42 µS/cm	7.92 mg/L	0.45 NTU	184.5 mV	33.91 ft	100.00 ml/min
2/20/2025 2:08 PM	10:00	5.91 pH	16.31 °C	83.67 µS/cm	7.22 mg/L	0.24 NTU	183.1 mV	34.19 ft	100.00 ml/min
2/20/2025 2:13 PM	15:00	5.89 pH	16.27 °C	83.33 µS/cm	6.99 mg/L	0.20 NTU	183.1 mV	34.57 ft	100.00 ml/min
2/20/2025 2:18 PM	20:00	5.88 pH	16.18 °C	82.44 µS/cm	7.04 mg/L	0.19 NTU	181.9 mV	34.64 ft	100.00 ml/min
2/20/2025 2:23 PM	25:00	5.89 pH	15.55 °C	83.92 µS/cm	6.87 mg/L	0.20 NTU	178.9 mV	34.68 ft	100.00 ml/min
2/20/2025 2:28 PM	30:00	5.89 pH	15.73 °C	84.46 µS/cm	6.59 mg/L	0.15 NTU	179.6 mV	34.78 ft	100.00 ml/min
2/20/2025 2:33 PM	35:00	5.89 pH	15.95 °C	86.01 µS/cm	6.49 mg/L	0.20 NTU	179.7 mV	34.83 ft	100.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWA-3	

Low-Flow Test Report:

Test Date / Time: 2/19/2025 12:26:44 PM
Project: SCS Plant Scherer (3)
Operator Name: Daniel Howard

Location Name: SCH-SGWA-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 53.2 ft** **Total Depth: 63.2 ft** **Initial Depth to Water: 48.08 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 58.2 ft** **Estimated Total Volume Pumped: 3500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.09 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:
Sample time 1302

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 %	+/- 5	+/- 10	+/- 0.3	
2/19/2025 12:26 PM	00:00	6.35 pH	14.14 °C	190.72 µS/cm	5.25 mg/L	0.37 NTU	192.4 mV	48.08 ft	100.00 ml/min
2/19/2025 12:31 PM	05:00	6.35 pH	14.38 °C	187.26 µS/cm	5.23 mg/L	0.51 NTU	170.1 mV	49.09 ft	100.00 ml/min
2/19/2025 12:36 PM	10:00	6.34 pH	14.38 °C	188.93 µS/cm	5.15 mg/L	0.42 NTU	205.3 mV	49.12 ft	100.00 ml/min
2/19/2025 12:41 PM	15:00	6.34 pH	14.48 °C	189.28 µS/cm	5.14 mg/L	0.25 NTU	207.1 mV	49.13 ft	100.00 ml/min
2/19/2025 12:46 PM	20:00	6.34 pH	14.47 °C	188.04 µS/cm	5.17 mg/L	0.28 NTU	167.2 mV	49.13 ft	100.00 ml/min
2/19/2025 12:51 PM	25:00	6.34 pH	14.23 °C	188.57 µS/cm	5.22 mg/L	0.19 NTU	164.3 mV	49.15 ft	100.00 ml/min
2/19/2025 12:56 PM	30:00	6.34 pH	14.28 °C	190.67 µS/cm	5.24 mg/L	0.21 NTU	202.9 mV	49.17 ft	100.00 ml/min
2/19/2025 1:01 PM	35:00	6.33 pH	14.32 °C	190.80 µS/cm	5.25 mg/L	0.17 NTU	205.6 mV	49.17 ft	100.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWA-4	

Low-Flow Test Report:

Test Date / Time: 2/20/2025 10:48:19 AM
Project: SCH-SGWA-5
Operator Name: Jake Stucky

Location Name: SCH-SGWA-5 **Latitude: 33.07352401961973** **Longitude: -83.83742652580106** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.1 ft** **Total Depth: 33.1 ft** **Initial Depth to Water: 16.88 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 28.1 ft** **Estimated Total Volume Pumped: 4780 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.72 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

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	+/- 10	+/- 0.3	
2/20/2025 10:48 AM	00:00	8.50 pH	13.28 °C	67.57 µS/cm	9.31 mg/L	5.50 NTU	-31.1 mV	16.88 ft	150.00 ml/min
2/20/2025 10:53 AM	05:00	6.36 pH	14.85 °C	60.62 µS/cm	4.86 mg/L	2.49 NTU	-18.0 mV	17.48 ft	150.00 ml/min
2/20/2025 10:58 AM	10:00	5.58 pH	15.46 °C	60.18 µS/cm	4.62 mg/L	1.76 NTU	-4.7 mV	17.60 ft	150.00 ml/min
2/20/2025 11:03 AM	15:00	5.57 pH	15.74 °C	60.10 µS/cm	4.47 mg/L	1.42 NTU	-4.1 mV	17.60 ft	150.00 ml/min
2/20/2025 11:08 AM	20:00	5.57 pH	15.75 °C	59.61 µS/cm	4.25 mg/L	0.74 NTU	-1.6 mV	17.60 ft	150.00 ml/min
2/20/2025 11:13 AM	25:00	5.43 pH	15.60 °C	59.36 µS/cm	4.39 mg/L	0.58 NTU	4.2 mV	17.60 ft	150.00 ml/min
2/20/2025 11:14 AM	25:52	5.53 pH	15.65 °C	61.23 µS/cm	4.28 mg/L	0.58 NTU	4.2 mV	17.60 ft	150.00 ml/min
2/20/2025 11:17 AM	28:52	5.50 pH	15.75 °C	59.34 µS/cm	4.35 mg/L	0.46 NTU	7.0 mV	17.60 ft	150.00 ml/min
2/20/2025 11:20 AM	31:52	5.48 pH	15.82 °C	59.16 µS/cm	4.35 mg/L	0.54 NTU	9.9 mV	17.60 ft	150.00 ml/min

Samples

Sample ID:	Description:

SCH-SGWA-5	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2025 11:55:51 AM
Project: SCH-SGWA-24
Operator Name: EEA

Location Name: SCH-SGWA-24 **Latitude: 33.073519558268366** **Longitude: -83.82659656908497** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.9 ft** **Total Depth: 42.9 ft** **Initial Depth to Water: 14.8 ft**	**Pump Type: Dedicated** **Tubing Type: LPE** **Pump Intake From TOC: 34.8 ft** **Estimated Total Volume Pumped: 6406.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Rainy 46F

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 %	+/- 2	+/- 10	+/- 0.3	
2/19/2025 11:55 AM	00:00	6.38 pH	15.18 °C	0.16 µS/cm	9.10 mg/L		162.1 mV	14.80 ft	200.00 ml/min
2/19/2025 12:00 PM	05:00	6.51 pH	16.53 °C	161.04 µS/cm	2.29 mg/L	4.10 NTU	409.1 mV	15.50 ft	200.00 ml/min
2/19/2025 12:07 PM	12:02	6.49 pH	16.17 °C	185.80 µS/cm	0.98 mg/L	6.46 NTU	274.1 mV	15.35 ft	200.00 ml/min
2/19/2025 12:12 PM	17:02	6.49 pH	16.28 °C	185.86 µS/cm	0.93 mg/L	5.97 NTU	396.7 mV	15.35 ft	200.00 ml/min
2/19/2025 12:17 PM	22:02	6.49 pH	16.19 °C	186.67 µS/cm	0.88 mg/L	7.08 NTU	393.7 mV	15.35 ft	200.00 ml/min
2/19/2025 12:22 PM	27:02	6.49 pH	16.18 °C	186.25 µS/cm	0.92 mg/L	4.23 NTU	387.6 mV	15.35 ft	200.00 ml/min
2/19/2025 12:27 PM	32:02	6.50 pH	16.16 °C	185.52 µS/cm	0.96 mg/L	4.53 NTU	379.5 mV	15.35 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWA-24	Sampled at 1228

Low-Flow Test Report:

Test Date / Time: 2/19/2025 1:50:23 PM
Project: SCH-SGWA-25
Operator Name: EEA

Location Name: SCH-SGWA-25 **Latitude: 33.08024907652564** **Longitude: -83.82630485406429** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38 ft** **Total Depth: 48 ft** **Initial Depth to Water: 30.31 ft**	**Pump Type: Dedicated** **Tubing Type: LPE** **Pump Intake From TOC: 39.75 ft** **Estimated Total Volume Pumped: 6530 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.39 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Raining 47F

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 %	+/- 2	+/- 10	+/- 0.3	
2/19/2025 1:50 PM	00:00	7.02 pH	14.80 °C	117.90 µS/cm	8.07 mg/L		137.7 mV	30.31 ft	200.00 ml/min
2/19/2025 1:53 PM	02:39	6.28 pH	16.43 °C	135.54 µS/cm	2.73 mg/L		389.3 mV	30.31 ft	200.00 ml/min
2/19/2025 1:58 PM	07:39	6.23 pH	17.01 °C	135.42 µS/cm	1.42 mg/L	5.55 NTU	418.7 mV	30.65 ft	200.00 ml/min
2/19/2025 2:03 PM	12:39	6.20 pH	17.10 °C	135.89 µS/cm	1.26 mg/L	4.50 NTU	422.0 mV	30.70 ft	200.00 ml/min
2/19/2025 2:08 PM	17:39	6.19 pH	17.20 °C	131.82 µS/cm	1.17 mg/L	2.51 NTU	575.3 mV	30.70 ft	200.00 ml/min
2/19/2025 2:13 PM	22:39	6.19 pH	17.15 °C	131.77 µS/cm	1.12 mg/L	2.64 NTU	419.1 mV	30.70 ft	200.00 ml/min
2/19/2025 2:18 PM	27:39	6.18 pH	17.07 °C	128.80 µS/cm	1.08 mg/L	1.67 NTU	556.9 mV	30.70 ft	200.00 ml/min
2/19/2025 2:23 PM	32:39	6.18 pH	16.98 °C	129.99 µS/cm	1.05 mg/L	1.43 NTU	388.9 mV	30.70 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWA-25	

Low-Flow Test Report:

Test Date / Time: 2/20/2025 10:21:18 AM
Project: SCH-SGWC-6 (2)
Operator Name: Zach West

Location Name: SCH-SGWC-6 **Latitude: 33.08462511958315** **Longitude: -83.82259845505584** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.6 ft** **Total Depth: 27.6 ft** **Initial Depth to Water: 17.72 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 22.6 ft** **Estimated Total Volume Pumped: 10400 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 3.31 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Day 2 of purging 3WV

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	+/- 2	+/- 10	+/- 0.3	
2/20/2025 10:21 AM	00:00	6.31 pH	14.92 °C	162.94 µS/cm	0.93 mg/L	1.28 NTU	181.9 mV	17.72 ft	160.00 ml/min
2/20/2025 10:26 AM	05:00	6.31 pH	16.13 °C	153.36 µS/cm	0.82 mg/L	1.08 NTU	167.2 mV	18.83 ft	160.00 ml/min
2/20/2025 10:31 AM	10:00	6.31 pH	15.75 °C	155.22 µS/cm	1.41 mg/L	2.64 NTU	160.6 mV	19.25 ft	160.00 ml/min
2/20/2025 10:36 AM	15:00	6.32 pH	15.62 °C	154.42 µS/cm	1.93 mg/L	2.59 NTU	192.2 mV	19.55 ft	160.00 ml/min
2/20/2025 10:41 AM	20:00	6.32 pH	15.43 °C	153.49 µS/cm	2.15 mg/L	1.58 NTU	157.5 mV	19.80 ft	160.00 ml/min
2/20/2025 10:46 AM	25:00	6.32 pH	15.95 °C	154.32 µS/cm	2.17 mg/L	1.47 NTU	148.2 mV	20.06 ft	160.00 ml/min
2/20/2025 10:51 AM	30:00	6.31 pH	16.19 °C	152.87 µS/cm	1.90 mg/L	0.85 NTU	147.1 mV	20.22 ft	160.00 ml/min
2/20/2025 10:56 AM	35:00	6.31 pH	16.37 °C	152.65 µS/cm	1.78 mg/L	1.28 NTU	170.8 mV	20.39 ft	160.00 ml/min
2/20/2025 11:01 AM	40:00	6.31 pH	16.20 °C	151.60 µS/cm	1.49 mg/L	1.07 NTU	146.1 mV	20.52 ft	160.00 ml/min
2/20/2025 11:06 AM	45:00	6.31 pH	16.46 °C	149.41 µS/cm	1.25 mg/L	0.67 NTU	142.1 mV	20.68 ft	160.00 ml/min
2/20/2025 11:11 AM	50:00	6.30 pH	16.75 °C	152.36 µS/cm	1.09 mg/L	0.57 NTU	139.3 mV	20.78 ft	160.00 ml/min
2/20/2025 11:16 AM	55:00	6.30 pH	17.18 °C	148.35 µS/cm	0.66 mg/L	1.72 NTU	137.1 mV	20.88 ft	160.00 ml/min
2/20/2025 11:21 AM	01:00:00	6.30 pH	16.72 °C	148.28 µS/cm	0.61 mg/L	0.68 NTU	135.7 mV	20.96 ft	160.00 ml/min
2/20/2025 11:26 AM	01:05:00	6.30 pH	16.55 °C	149.47 µS/cm	0.50 mg/L	0.91 NTU	133.7 mV	21.03 ft	160.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-6	

Low-Flow Test Report:

Test Date / Time: 2/19/2025 10:45:07 AM
Project: SCH-SGWC-7
Operator Name: Zach West

Location Name: SCH-SGWC-7 **Latitude: 33.08462511958315** **Longitude: -83.82259845505584** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.6 ft** **Total Depth: 24.0 ft** **Initial Depth to Water: 16.37 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 19.24 ft** **Estimated Total Volume Pumped: 12466.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.28 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:
Fe=0

Weather Conditions:
Rain 43

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	+/- 2	+/- 10	+/- 0.3	
2/19/2025 10:45 AM	00:00	7.04 pH	9.47 °C	308.26 µS/cm	7.51 mg/L	1.96 NTU	13.6 mV	16.37 ft	160.00 ml/min
2/19/2025 10:50 AM	05:00	6.72 pH	15.48 °C	281.93 µS/cm	1.35 mg/L	2.70 NTU	11.2 mV	16.65 ft	160.00 ml/min
2/19/2025 10:55 AM	10:00	6.59 pH	16.12 °C	257.56 µS/cm	0.80 mg/L	2.34 NTU	38.5 mV	16.63 ft	160.00 ml/min
2/19/2025 11:00 AM	15:00	6.56 pH	16.15 °C	244.56 µS/cm	0.90 mg/L	1.09 NTU	56.7 mV	16.63 ft	160.00 ml/min
2/19/2025 11:05 AM	20:00	6.54 pH	16.36 °C	239.10 µS/cm	1.11 mg/L	0.90 NTU	56.0 mV	16.65 ft	160.00 ml/min
2/19/2025 11:10 AM	25:00	6.53 pH	16.36 °C	235.72 µS/cm	1.21 mg/L	0.84 NTU	60.9 mV	16.65 ft	160.00 ml/min
2/19/2025 11:15 AM	30:00	6.52 pH	16.47 °C	234.92 µS/cm	1.30 mg/L	1.00 NTU	80.3 mV	16.65 ft	200.00 ml/min
2/19/2025 11:20 AM	35:00	6.52 pH	16.51 °C	234.16 µS/cm	1.35 mg/L	0.94 NTU	68.6 mV	16.65 ft	200.00 ml/min
2/19/2025 11:25 AM	40:00	6.52 pH	16.28 °C	232.79 µS/cm	1.37 mg/L	0.92 NTU	68.2 mV	16.65 ft	200.00 ml/min
2/19/2025 11:27 AM	42:18	6.51 pH	16.40 °C	234.14 µS/cm	1.39 mg/L	0.92 NTU	47.2 mV	16.65 ft	200.00 ml/min
2/19/2025 11:27 AM	42:48	6.51 pH	16.42 °C	234.56 µS/cm	1.38 mg/L	1.05 NTU	52.4 mV	16.65 ft	200.00 ml/min
2/19/2025 11:28 AM	43:20	6.52 pH	16.46 °C	235.24 µS/cm	1.39 mg/L	1.05 NTU	57.5 mV	16.65 ft	200.00 ml/min
2/19/2025 11:33 AM	48:20	6.52 pH	16.38 °C	233.16 µS/cm	1.39 mg/L	0.80 NTU	85.5 mV	16.65 ft	200.00 ml/min

2/19/2025 11:38 AM	53:20	6.51 pH	16.53 °C	233.55 µS/cm	1.41 mg/L	0.83 NTU	88.6 mV	16.65 ft	200.00 ml/min
2/19/2025 11:43 AM	58:20	6.51 pH	16.19 °C	232.74 µS/cm	1.41 mg/L	1.08 NTU	70.4 mV	16.65 ft	200.00 ml/min
2/19/2025 11:48 AM	01:03:20	6.51 pH	16.46 °C	233.72 µS/cm	1.42 mg/L	0.94 NTU	72.6 mV	16.65 ft	200.00 ml/min
2/19/2025 11:53 AM	01:08:20	6.51 pH	16.28 °C	234.10 µS/cm	1.43 mg/L	0.98 NTU	73.1 mV	16.65 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-7	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2025 1:04:16 PM
Project: SCH-SGCW-8
Operator Name: Zach West

Location Name: SCH-SGWC-8 **Latitude: 33.08655689641337** **Longitude: -83.81923932984931** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.6 ft** **Total Depth: 42.6 ft** **Initial Depth to Water: 25.14 ft**	**Pump Type: Dedicated** **Tubing Type: LPDE** **Pump Intake From TOC: 34.2 ft** **Estimated Total Volume Pumped: 3200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.21 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167968**

Test Notes:

Weather Conditions:
Overcast 47

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	+/- 2	+/- 10	+/- 0.3	
2/19/2025 1:04 PM	00:00	6.66 pH	15.83 °C	512.58 µS/cm	4.76 mg/L	1.59 NTU	115.2 mV	25.14 ft	160.00 ml/min
2/19/2025 1:09 PM	05:00	6.66 pH	16.64 °C	498.28 µS/cm	4.45 mg/L	1.36 NTU	95.9 mV	25.35 ft	160.00 ml/min
2/19/2025 1:14 PM	10:00	6.65 pH	16.55 °C	498.47 µS/cm	4.42 mg/L	1.34 NTU	93.8 mV	25.35 ft	160.00 ml/min
2/19/2025 1:19 PM	15:00	6.65 pH	16.48 °C	497.46 µS/cm	4.40 mg/L	1.20 NTU	123.0 mV	25.35 ft	160.00 ml/min
2/19/2025 1:24 PM	20:00	6.65 pH	16.48 °C	500.57 µS/cm	4.40 mg/L	0.92 NTU	92.0 mV	25.35 ft	160.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-8	

Low-Flow Test Report:

Test Date / Time: 2/19/2025 9:37:42 AM
Project: SCH-SGWC-9
Operator Name: Terrell Parker

Location Name: SCH-SGWC-9 **Latitude: 33.085919162289315** **Longitude: -83.8177675568348** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.8 ft** **Total Depth: 37.8 ft** **Initial Depth to Water: 27.41 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: 1/4 LDPE** **Pump Intake From TOC: 32.8 ft** **Estimated Total Volume Pumped: 5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.75 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:
Overcast, sprinkling rain

Weather Conditions:
Overcast, sprinkling rain. 45 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/19/2025 9:37 AM	00:00	7.33 pH	14.31 °C	561.02 µS/cm	9.03 mg/L	1.25 NTU	155.9 mV	28.15 ft	200.00 ml/min
2/19/2025 9:42 AM	05:00	6.30 pH	17.29 °C	449.16 µS/cm	1.01 mg/L	0.97 NTU	235.1 mV	27.41 ft	200.00 ml/min
2/19/2025 9:47 AM	10:00	6.23 pH	17.30 °C	457.65 µS/cm	0.58 mg/L	0.37 NTU	196.1 mV	27.51 ft	200.00 ml/min
2/19/2025 9:52 AM	15:00	6.21 pH	17.39 °C	465.94 µS/cm	0.52 mg/L	0.41 NTU	185.7 mV	28.16 ft	200.00 ml/min
2/19/2025 9:57 AM	20:00	6.21 pH	17.40 °C	471.40 µS/cm	0.50 mg/L	0.49 NTU	172.9 mV	28.16 ft	200.00 ml/min
2/19/2025 10:02 AM	25:00	6.21 pH	17.40 °C	479.74 µS/cm	0.53 mg/L	0.38 NTU	147.3 mV	28.16 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-9	
AP1-FD-1	Field Duplicate

Low-Flow Test Report:

Test Date / Time: 2/19/2025 1:37:48 PM
Project: GP - Plant Scherer SGWC-10
Operator Name: Terrell Parker

Location Name: SGWC-10 **Latitude: 33.083815556050354** **Longitude: -83.8157418184763** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.6 ft** **Total Depth: 32.6 ft** **Initial Depth to Water: 27.94 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: 1/4 LDPE** **Pump Intake From TOC: 31.5 ft** **Estimated Total Volume Pumped: 6.3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 1.27 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:

Ferrous Iron (mg/L) - 1.5

Weather Conditions:
Overcast, misting rain, 47 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/19/2025 1:37 PM	00:00	5.70 pH	11.94 °C	164.59 µS/cm	1.37 mg/L	3.87 NTU	14.5 mV	27.94 ft	50.00 ml/min
2/19/2025 1:42 PM	05:00	5.53 pH	13.74 °C	146.40 µS/cm	0.65 mg/L	2.97 NTU	-2.4 mV	28.55 ft	100.00 ml/min
2/19/2025 1:47 PM	10:00	5.45 pH	15.07 °C	131.33 µS/cm	0.46 mg/L	2.28 NTU	-6.6 mV	28.68 ft	100.00 ml/min
2/19/2025 1:52 PM	15:00	5.40 pH	15.45 °C	119.78 µS/cm	0.41 mg/L	2.17 NTU	-9.6 mV	28.79 ft	125.00 ml/min
2/19/2025 1:57 PM	20:00	5.38 pH	15.59 °C	109.40 µS/cm	0.45 mg/L	1.99 NTU	-0.9 mV	28.85 ft	125.00 ml/min
2/19/2025 2:02 PM	25:00	5.37 pH	14.84 °C	104.92 µS/cm	0.53 mg/L	1.79 NTU	6.6 mV	28.85 ft	125.00 ml/min
2/19/2025 2:07 PM	30:00	5.39 pH	13.49 °C	110.62 µS/cm	0.61 mg/L	1.54 NTU	10.9 mV	28.85 ft	125.00 ml/min
2/19/2025 2:12 PM	35:00	5.36 pH	13.35 °C	125.74 µS/cm	0.65 mg/L	1.25 NTU	11.3 mV	28.85 ft	125.00 ml/min
2/19/2025 2:17 PM	40:00	5.35 pH	15.93 °C	116.53 µS/cm	0.51 mg/L	1.27 NTU	17.0 mV	28.86 ft	125.00 ml/min
2/19/2025 2:22 PM	45:00	5.33 pH	16.41 °C	118.40 µS/cm	0.57 mg/L	1.12 NTU	21.0 mV	29.04 ft	125.00 ml/min
2/19/2025 2:27 PM	50:00	5.33 pH	16.48 °C	118.98 µS/cm	0.62 mg/L	0.78 NTU	27.2 mV	29.14 ft	125.00 ml/min
2/19/2025 2:32 PM	55:00	5.32 pH	16.38 °C	121.57 µS/cm	0.55 mg/L	0.61 NTU	32.2 mV	29.21 ft	125.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-10	Groundwater
+2 Extra 1L or RAD QC	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 9:28:44 AM
Project: SCH-SGWC-11
Operator Name: Terrell Parker

Location Name: SCH-SGWC-11 **Latitude: 33.082864293859416** **Longitude: -83.8148728665745** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.7 ft** **Total Depth: 42.7 ft** **Initial Depth to Water: 30.68 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: 1/4 LDPE** **Pump Intake From TOC: 37.7 ft** **Estimated Total Volume Pumped: 8.95 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 1.7 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:

Weather Conditions:
Cold, windy, overcast, 32 degrees F, w/windchill, 17 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2025 9:28 AM	00:00	5.88 pH	13.97 °C	165.09 µS/cm	3.55 mg/L	5.85 NTU	15.5 mV	30.68 ft	150.00 ml/min
2/20/2025 9:33 AM	05:00	5.57 pH	12.08 °C	178.19 µS/cm	1.86 mg/L	5.45 NTU	-23.0 mV	31.69 ft	150.00 ml/min
2/20/2025 9:38 AM	10:00	5.57 pH	11.41 °C	175.61 µS/cm	1.47 mg/L	3.59 NTU	-30.6 mV	31.63 ft	150.00 ml/min
2/20/2025 9:43 AM	15:00	5.55 pH	11.41 °C	179.24 µS/cm	1.34 mg/L	2.20 NTU	-33.8 mV	31.89 ft	150.00 ml/min
2/20/2025 9:48 AM	20:00	5.52 pH	15.42 °C	171.17 µS/cm	1.04 mg/L	2.85 NTU	-39.6 mV	32.25 ft	150.00 ml/min
2/20/2025 9:53 AM	25:00	5.56 pH	15.76 °C	159.36 µS/cm	0.83 mg/L	3.51 NTU	-41.1 mV	32.60 ft	150.00 ml/min
2/20/2025 9:58 AM	30:00	5.56 pH	15.80 °C	156.48 µS/cm	0.58 mg/L	2.92 NTU	-40.1 mV	32.85 ft	150.00 ml/min
2/20/2025 10:03 AM	35:00	5.52 pH	16.11 °C	157.17 µS/cm	0.49 mg/L	2.59 NTU	-38.6 mV	33.04 ft	175.00 ml/min
2/20/2025 10:08 AM	40:00	5.50 pH	15.75 °C	157.13 µS/cm	0.45 mg/L	1.69 NTU	-44.9 mV	32.86 ft	125.00 ml/min
2/20/2025 10:13 AM	45:00	5.46 pH	15.83 °C	156.63 µS/cm	0.41 mg/L	1.49 NTU	-43.8 mV	32.68 ft	110.00 ml/min
2/20/2025 10:18 AM	50:00	5.45 pH	14.66 °C	155.19 µS/cm	0.41 mg/L	1.28 NTU	-39.7 mV	32.68 ft	110.00 ml/min
2/20/2025 10:23 AM	55:00	5.42 pH	14.82 °C	159.52 µS/cm	0.40 mg/L	1.33 NTU	-29.3 mV	32.50 ft	110.00 ml/min
2/20/2025 10:28 AM	01:00:00	5.39 pH	14.76 °C	155.79 µS/cm	0.39 mg/L	0.95 NTU	-32.2 mV	32.42 ft	110.00 ml/min

2/20/2025 10:33 AM	01:05:00	5.38 pH	14.61 °C	152.48 µS/cm	0.37 mg/L	0.77 NTU	-29.1 mV	32.38 ft	110.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-11	Groundwater sample time 10:45

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2025 2:15:48 PM
Project: SCH-SGWC-12
Operator Name: Dana Bloomfield

Location Name: SCH-SGWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.20 ft** **Total Depth: 50.20 ft** **Initial Depth to Water: 24.17 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 41.87 ft** **Estimated Total Volume Pumped: 10250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.8 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:

Weather Conditions:
Rainy 65

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 0.3	
2/19/2025 2:15 PM	00:00	7.58 pH	10.78 °C	315.74 µS/cm	10.50 mg/L	3.04 NTU	84.8 mV	24.17 ft	200.00 ml/min
2/19/2025 2:20 PM	05:00	6.60 pH	14.78 °C	313.44 µS/cm	7.90 mg/L	0.77 NTU	2.0 mV	25.08 ft	200.00 ml/min
2/19/2025 2:25 PM	10:00	6.37 pH	14.52 °C	308.50 µS/cm	6.69 mg/L	0.89 NTU	13.5 mV	25.18 ft	150.00 ml/min
2/19/2025 2:30 PM	15:00	6.34 pH	12.79 °C	301.19 µS/cm	7.50 mg/L	0.31 NTU	20.4 mV	24.97 ft	150.00 ml/min
2/19/2025 2:35 PM	20:00	6.27 pH	12.58 °C	295.52 µS/cm	7.47 mg/L	0.53 NTU	25.3 mV	24.97 ft	150.00 ml/min
2/19/2025 2:40 PM	25:00	6.24 pH	12.73 °C	304.36 µS/cm	6.63 mg/L	0.13 NTU	28.6 mV	24.97 ft	150.00 ml/min
2/19/2025 2:45 PM	30:00	6.22 pH	12.80 °C	311.11 µS/cm	6.09 mg/L	0.98 NTU	17.6 mV	24.97 ft	150.00 ml/min
2/19/2025 2:50 PM	35:00	6.22 pH	12.85 °C	292.92 µS/cm	6.17 mg/L	0.66 NTU	29.9 mV	24.97 ft	150.00 ml/min
2/19/2025 2:55 PM	40:00	6.21 pH	13.04 °C	316.36 µS/cm	5.99 mg/L	0.54 NTU	17.5 mV	24.97 ft	150.00 ml/min
2/19/2025 3:00 PM	45:00	6.21 pH	12.93 °C	314.13 µS/cm	5.73 mg/L	0.22 NTU	27.2 mV	24.97 ft	150.00 ml/min
2/19/2025 3:05 PM	50:00	6.21 pH	13.01 °C	312.75 µS/cm	5.87 mg/L	0.61 NTU	24.4 mV	24.97 ft	150.00 ml/min
2/19/2025 3:10 PM	55:00	6.22 pH	13.07 °C	298.12 µS/cm	5.31 mg/L	0.95 NTU	23.0 mV	24.97 ft	150.00 ml/min
2/19/2025 3:15 PM	01:00:00	6.22 pH	13.24 °C	298.26 µS/cm	5.49 mg/L	0.97 NTU	21.9 mV	24.97 ft	150.00 ml/min

2/19/2025 3:20 PM	01:05:00	6.22 pH	13.20 °C	309.04 µS/cm	5.44 mg/L	0.53 NTU	21.6 mV	24.97 ft	150.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-12	Sample time 15:21
SCH-AP1-FD-2	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/19/2025 3:05:07 PM
Project: SCH-SGWC-13
Operator Name: EEA

Location Name: SCH-SGWC-13 **Latitude: 33.082144487950984** **Longitude: -83.81018706255202** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 34.2 ft** **Total Depth: 44.2 ft** **Initial Depth to Water: 10.1 ft**	**Pump Type: Dedicated** **Tubing Type: LPE** **Pump Intake From TOC: 39.2 ft** **Estimated Total Volume Pumped: 5750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.36 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Misting 48F

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 %	+/- 2	+/- 10	+/- 0.3	
2/19/2025 3:05 PM	00:00	6.97 pH	11.94 °C	0.00 µS/cm	9.75 mg/L		89.5 mV	10.10 ft	200.00 ml/min
2/19/2025 3:10 PM	05:00	6.13 pH	15.50 °C	444.11 µS/cm	3.21 mg/L	3.01 NTU	305.9 mV	11.30 ft	200.00 ml/min
2/19/2025 3:15 PM	10:00	6.15 pH	17.32 °C	427.69 µS/cm	2.51 mg/L	2.73 NTU	307.2 mV	11.60 ft	200.00 ml/min
2/19/2025 3:20 PM	15:00	6.10 pH	16.49 °C	437.74 µS/cm	1.61 mg/L	1.94 NTU	297.2 mV	11.30 ft	150.00 ml/min
2/19/2025 3:25 PM	20:00	6.07 pH	16.88 °C	438.03 µS/cm	0.97 mg/L	1.59 NTU	254.3 mV	11.40 ft	200.00 ml/min
2/19/2025 3:30 PM	25:00	6.06 pH	16.89 °C	443.70 µS/cm	1.08 mg/L	2.89 NTU	253.3 mV	11.44 ft	200.00 ml/min
2/19/2025 3:35 PM	30:00	6.06 pH	16.97 °C	449.08 µS/cm	0.97 mg/L	1.51 NTU	268.4 mV	11.46 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-13	Sampled at 1535

Low-Flow Test Report:

Test Date / Time: 2/19/2025 9:45:04 AM
Project: SCH-SGWC-14
Operator Name: EEA

Location Name: SCH-SGWC-14 **Latitude: 33.081313227235434** **Longitude: -83.80845208547228** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.5 ft** **Total Depth: 38.5 ft** **Initial Depth to Water: 11.47 ft**	**Pump Type: Dedicated** **Tubing Type: LPE** **Pump Intake From TOC: 33.5 ft** **Estimated Total Volume Pumped: 7850 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

Weather Conditions:
Raining

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 %	+/- 2	+/- 10	+/- 0.3	
2/19/2025 9:45 AM	00:00	5.99 pH	13.09 °C	541.70 µS/cm	3.89 mg/L		107.2 mV	11.47 ft	200.00 ml/min
2/19/2025 9:49 AM	04:15	5.86 pH	14.91 °C	533.11 µS/cm	0.87 mg/L	4.98 NTU	152.2 mV	11.47 ft	200.00 ml/min
2/19/2025 9:54 AM	09:15	5.84 pH	15.18 °C	550.52 µS/cm	0.47 mg/L	4.86 NTU	350.9 mV	11.47 ft	200.00 ml/min
2/19/2025 9:59 AM	14:15	5.84 pH	15.19 °C	550.72 µS/cm	0.26 mg/L	4.31 NTU	351.0 mV	11.47 ft	200.00 ml/min
2/19/2025 10:04 AM	19:15	5.83 pH	15.35 °C	536.89 µS/cm	0.19 mg/L	4.14 NTU	355.5 mV	11.47 ft	200.00 ml/min
2/19/2025 10:09 AM	24:15	5.82 pH	15.18 °C	554.62 µS/cm	0.17 mg/L	4.40 NTU	355.5 mV	11.47 ft	200.00 ml/min
2/19/2025 10:14 AM	29:15	5.81 pH	15.22 °C	538.20 µS/cm	0.17 mg/L	3.58 NTU	366.0 mV	11.47 ft	200.00 ml/min
2/19/2025 10:19 AM	34:15	5.80 pH	15.27 °C	535.27 µS/cm	0.16 mg/L	3.21 NTU	351.2 mV	11.47 ft	200.00 ml/min
2/19/2025 10:24 AM	39:15	5.79 pH	15.40 °C	559.84 µS/cm	0.16 mg/L	3.20 NTU	126.7 mV	11.47 ft	200.00 ml/min

Samples

Sample ID:	Description:

SCH-SGWC-14	Sampled at 10:24

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 10:00:13 AM
Project: SCH-SGWC-15
Operator Name: Daniel Howard

Location Name: SCH-SGWC-15 **Latitude: 33.08268253228914** **Longitude: -83.82533012897132** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 38.4 ft** **Total Depth: 48.4 ft** **Initial Depth to Water: 32.2 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 43.4 ft** **Estimated Total Volume Pumped: 7000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.03 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:
Sample time 1035.

Weather Conditions:
Cold, partly 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 %	+/- 10 %	+/- 5	+/- 10	+/- 0.3	
2/20/2025 10:00 AM	00:00	4.60 pH	15.28 °C	619.77 µS/cm	4.28 mg/L	3.26 NTU	254.6 mV	32.20 ft	200.00 ml/min
2/20/2025 10:05 AM	05:00	4.57 pH	14.75 °C	607.98 µS/cm	2.71 mg/L	5.46 NTU	280.6 mV	32.23 ft	200.00 ml/min
2/20/2025 10:10 AM	10:00	4.57 pH	15.59 °C	545.50 µS/cm	2.37 mg/L	6.49 NTU	347.4 mV	32.23 ft	200.00 ml/min
2/20/2025 10:15 AM	15:00	4.57 pH	14.69 °C	551.23 µS/cm	2.20 mg/L	5.44 NTU	356.2 mV	32.23 ft	200.00 ml/min
2/20/2025 10:20 AM	20:00	4.53 pH	15.05 °C	551.96 µS/cm	2.15 mg/L	4.78 NTU	360.9 mV	32.23 ft	200.00 ml/min
2/20/2025 10:25 AM	25:00	4.53 pH	14.56 °C	547.29 µS/cm	2.01 mg/L	4.36 NTU	362.2 mV	32.23 ft	200.00 ml/min
2/20/2025 10:30 AM	30:00	4.53 pH	14.73 °C	551.18 µS/cm	1.94 mg/L	4.57 NTU	362.8 mV	32.23 ft	200.00 ml/min
2/20/2025 10:35 AM	35:00	4.55 pH	14.35 °C	550.54 µS/cm	1.90 mg/L	3.84 NTU	362.1 mV	32.23 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-15	

Low-Flow Test Report:

Test Date / Time: 2/19/2025 3:24:55 PM
Project: SCH-SGWC-16
Operator Name: Daniel Howard

Location Name: SCH-SGWC-16 **Latitude: 33.08268253228914** **Longitude: -83.82533012897132** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.3 ft** **Total Depth: 43.3 ft** **Initial Depth to Water: 25.74 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 38.3 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:
Sample time 1550.

Weather Conditions:
Rain on and off

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 %	+/- 5	+/- 10	+/- 0.3	
2/19/2025 3:24 PM	00:00	5.19 pH	16.45 °C	259.77 µS/cm	4.25 mg/L	1.16 NTU	201.4 mV	25.74 ft	200.00 ml/min
2/19/2025 3:29 PM	05:00	5.14 pH	16.39 °C	260.35 µS/cm	3.78 mg/L	2.82 NTU	209.8 mV	25.82 ft	200.00 ml/min
2/19/2025 3:34 PM	10:00	5.12 pH	16.40 °C	262.47 µS/cm	3.54 mg/L	3.54 NTU	246.7 mV	25.82 ft	200.00 ml/min
2/19/2025 3:39 PM	15:00	5.11 pH	16.20 °C	261.54 µS/cm	3.41 mg/L	2.93 NTU	206.5 mV	25.82 ft	200.00 ml/min
2/19/2025 3:44 PM	20:00	5.11 pH	16.12 °C	261.89 µS/cm	3.34 mg/L	2.88 NTU	203.4 mV	25.82 ft	200.00 ml/min
2/19/2025 3:49 PM	25:00	5.10 pH	16.20 °C	263.09 µS/cm	3.29 mg/L	2.07 NTU	241.1 mV	25.82 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-16	

Low-Flow Test Report:

Test Date / Time: 2/19/2025 12:52:45 PM
Project: SCH-SGWC-17
Operator Name: Dana Bloomfield

Location Name: SCH-SGWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.6 ft** **Total Depth: 27.0 ft** **Initial Depth to Water: 2.79 ft**	**Pump Type: Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 19.24 ft** **Estimated Total Volume Pumped: 4250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 170 ml/min** **Final Draw Down: 0.55 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 20	+/- 0.3	
2/19/2025 12:52 PM	00:00	6.28 pH	11.94 °C	775.50 µS/cm	6.18 mg/L	1.37 NTU	159.6 mV	2.79 ft	170.00 ml/min
2/19/2025 12:57 PM	05:00	6.28 pH	15.58 °C	741.44 µS/cm	0.75 mg/L	0.61 NTU	105.0 mV	3.56 ft	170.00 ml/min
2/19/2025 1:02 PM	10:00	6.28 pH	14.79 °C	735.65 µS/cm	0.58 mg/L	0.67 NTU	120.3 mV	3.34 ft	170.00 ml/min
2/19/2025 1:07 PM	15:00	6.28 pH	14.83 °C	735.67 µS/cm	0.46 mg/L	0.64 NTU	52.9 mV	3.34 ft	170.00 ml/min
2/19/2025 1:12 PM	20:00	6.28 pH	14.61 °C	734.76 µS/cm	0.42 mg/L	0.38 NTU	68.9 mV	3.34 ft	170.00 ml/min
2/19/2025 1:17 PM	25:00	6.28 pH	14.68 °C	733.01 µS/cm	0.38 mg/L	0.35 NTU	62.5 mV	3.34 ft	170.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-17	Sample time 13:18

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/21/2025 9:15:10 AM
Project: SCH-SGWC-18
Operator Name: Jake Stucky

Location Name: SCH-SGWC-18 **Latitude: 33.07021367520972** **Longitude: -83.80645844867227** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 37.6 ft** **Total Depth: 47.6 ft** **Initial Depth to Water: 44.81 ft**	**Pump Type: Bladder** **Tubing Type: LPDE** **Pump Intake From TOC: 46 ft** **Estimated Total Volume Pumped: 7652.5 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965586**

Test Notes:

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	+/- 10	+/- 0.3	
2/21/2025 9:15 AM	00:00	7.43 pH	11.86 °C	1,661.7 µS/cm	7.46 mg/L	17.30 NTU	46.7 mV	44.66 ft	150.00 ml/min
2/21/2025 9:18 AM	03:00	6.53 pH	14.89 °C	1,718.0 µS/cm	3.08 mg/L	15.30 NTU	27.9 mV	44.82 ft	150.00 ml/min
2/21/2025 9:21 AM	06:00	5.91 pH	15.26 °C	1,713.2 µS/cm	3.22 mg/L	14.20 NTU	26.3 mV	44.85 ft	150.00 ml/min
2/21/2025 9:24 AM	09:01	5.47 pH	15.76 °C	1,670.0 µS/cm	3.17 mg/L	10.90 NTU	26.7 mV	44.88 ft	150.00 ml/min
2/21/2025 9:27 AM	12:01	5.17 pH	15.46 °C	1,715.8 µS/cm	3.10 mg/L	10.40 NTU	27.7 mV	44.88 ft	150.00 ml/min
2/21/2025 9:30 AM	15:01	5.02 pH	15.23 °C	1,691.6 µS/cm	3.09 mg/L	9.96 NTU	29.1 mV	44.89 ft	150.00 ml/min
2/21/2025 9:33 AM	18:01	4.92 pH	15.34 °C	1,692.7 µS/cm	3.16 mg/L	8.50 NTU	30.1 mV	44.89 ft	150.00 ml/min
2/21/2025 9:36 AM	21:01	4.88 pH	15.57 °C	1,684.9 µS/cm	3.13 mg/L	8.08 NTU	31.1 mV	44.90 ft	150.00 ml/min
2/21/2025 9:39 AM	24:01	4.83 pH	16.24 °C	1,721.7 µS/cm	2.70 mg/L	6.48 NTU	31.0 mV	44.97 ft	150.00 ml/min
2/21/2025 9:42 AM	27:01	4.81 pH	17.02 °C	1,702.2 µS/cm	2.73 mg/L	6.65 NTU	31.6 mV	45.03 ft	150.00 ml/min
2/21/2025 9:45 AM	30:01	4.77 pH	17.22 °C	1,716.5 µS/cm	2.72 mg/L	6.67 NTU	32.4 mV	45.08 ft	150.00 ml/min
2/21/2025 9:48 AM	33:01	4.79 pH	17.54 °C	1,709.0 µS/cm	2.59 mg/L	6.59 NTU	33.6 mV	45.09 ft	150.00 ml/min
2/21/2025 9:51 AM	36:01	4.78 pH	17.32 °C	1,724.7 µS/cm	2.63 mg/L	7.27 NTU	34.2 mV	45.10 ft	150.00 ml/min
2/21/2025 9:54 AM	39:01	4.78 pH	17.37 °C	1,728.5 µS/cm	2.59 mg/L	5.74 NTU	35.3 mV	45.10 ft	150.00 ml/min
2/21/2025 9:57 AM	42:01	4.78 pH	17.67 °C	1,714.4 µS/cm	2.62 mg/L	6.30 NTU	35.8 mV	45.10 ft	150.00 ml/min

2/21/2025 10:00 AM	45:01	4.78 pH	17.63 °C	1,713.0 µS/cm	2.62 mg/L	6.05 NTU	36.6 mV	45.11 ft	150.00 ml/min
2/21/2025 10:03 AM	48:01	4.78 pH	17.49 °C	1,722.2 µS/cm	2.64 mg/L	5.58 NTU	37.6 mV	45.11 ft	150.00 ml/min
2/21/2025 10:06 AM	51:01	4.78 pH	17.66 °C	1,712.3 µS/cm	2.65 mg/L	4.11 NTU	38.0 mV	45.11 ft	150.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-18	

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/21/2025 9:54:29 AM
Project: SCH-SGWC-19
Operator Name: Daniel Howard

Location Name: SCH-SGWC-19 **Latitude: 33.06781270078669** **Longitude: -83.80915967755374** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27.4 ft** **Total Depth: 37.4 ft** **Initial Depth to Water: 15.84 ft**	**Pump Type: Dedicated bladder** **Tubing Type: HDPE** **Pump Intake From TOC: 32.4 ft** **Estimated Total Volume Pumped: 5000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.33 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1167960**

Test Notes:
Sample time 1019.

Weather Conditions:
Clear and cold

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 %	+/- 5	+/- 10	+/- 0.3	
2/21/2025 9:54 AM	00:00	5.85 pH	17.39 °C	651.29 µS/cm	5.21 mg/L	3.88 NTU	305.1 mV	15.84 ft	200.00 ml/min
2/21/2025 9:59 AM	05:00	5.67 pH	16.38 °C	669.90 µS/cm	3.46 mg/L	1.75 NTU	293.0 mV	16.26 ft	200.00 ml/min
2/21/2025 10:04 AM	10:00	5.67 pH	16.62 °C	671.51 µS/cm	3.42 mg/L	1.96 NTU	281.1 mV	16.24 ft	200.00 ml/min
2/21/2025 10:09 AM	15:00	5.63 pH	16.36 °C	667.06 µS/cm	3.30 mg/L	1.81 NTU	275.6 mV	16.19 ft	200.00 ml/min
2/21/2025 10:14 AM	20:00	5.61 pH	16.02 °C	666.44 µS/cm	3.22 mg/L	1.31 NTU	270.9 mV	16.17 ft	200.00 ml/min
2/21/2025 10:19 AM	25:00	5.59 pH	15.73 °C	661.81 µS/cm	3.21 mg/L	0.98 NTU	321.0 mV	16.17 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-19	

Low-Flow Test Report:

Test Date / Time: 2/20/2025 10:27:39 AM
Project: SCH-SGWC-20
Operator Name: EEA

Location Name: SCH-SGWC-20 **Latitude: 33.06770323313127** **Longitude: -83.8117572293466** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.9 ft** **Total Depth: 27.9 ft** **Initial Depth to Water: 15.4 ft**	**Pump Type: Dedicated** **Tubing Type: LPE** **Pump Intake From TOC: 22.9 ft** **Estimated Total Volume Pumped: 7930 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.46 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

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 %	+/- 10 %	+/- 2	+/- 10	+/- 0.3	
2/20/2025 10:27 AM	00:00	6.79 pH	9.37 °C	0.40 µS/cm	10.24 mg/L	1.46 NTU	146.7 mV	15.40 ft	200.00 ml/min
2/20/2025 10:32 AM	05:00	4.15 pH	12.69 °C	742.05 µS/cm	1.65 mg/L	1.25 NTU	390.2 mV	15.85 ft	200.00 ml/min
2/20/2025 10:37 AM	09:39	4.15 pH	14.18 °C	746.55 µS/cm	1.28 mg/L	1.42 NTU	501.5 mV	15.86 ft	200.00 ml/min
2/20/2025 10:42 AM	14:39	4.14 pH	14.21 °C	730.15 µS/cm	1.15 mg/L	1.03 NTU	346.1 mV	15.86 ft	200.00 ml/min
2/20/2025 10:47 AM	19:39	4.15 pH	13.99 °C	712.59 µS/cm	1.02 mg/L	1.01 NTU	320.6 mV	15.86 ft	200.00 ml/min
2/20/2025 10:52 AM	24:39	4.15 pH	14.46 °C	721.22 µS/cm	0.91 mg/L	0.88 NTU	305.7 mV	15.86 ft	200.00 ml/min
2/20/2025 10:57 AM	29:39	4.16 pH	14.46 °C	711.87 µS/cm	0.80 mg/L	0.86 NTU	294.9 mV	15.86 ft	200.00 ml/min
2/20/2025 11:02 AM	34:39	4.17 pH	13.68 °C	717.67 µS/cm	0.71 mg/L	0.75 NTU	380.8 mV	15.86 ft	200.00 ml/min
2/20/2025 11:07 AM	39:39	4.17 pH	13.13 °C	702.29 µS/cm	0.65 mg/L	1.01 NTU	290.8 mV	15.86 ft	200.00 ml/min

Samples

Sample ID:	Description:

SCH-SGWC-20	Sampled at 11:08

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 3:40:07 PM
Project: SCH-SGWC-21
Operator Name: EEA

Location Name: SCH-SGWC-21 **Latitude: 33.066041078314214** **Longitude: -83.81558499367418** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.99 ft** **Total Depth: 27.99 ft** **Initial Depth to Water: 1.24 ft**	**Pump Type: Dedicated** **Tubing Type: LPE** **Pump Intake From TOC: 22.99 ft** **Estimated Total Volume Pumped: 11000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1146036**

Test Notes:

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 %	+/- 10 %	+/- 2	+/- 10	+/- 0.3	
2/20/2025 3:40 PM	00:00	9.54 pH	12.06 °C	2.46 µS/cm	9.95 mg/L		75.7 mV	1.24 ft	200.00 ml/min
2/20/2025 3:45 PM	05:00	6.48 pH	12.36 °C	631.56 µS/cm	1.44 mg/L	3.38 NTU	272.1 mV	1.30 ft	200.00 ml/min
2/20/2025 3:50 PM	10:00	6.46 pH	12.77 °C	640.42 µS/cm	0.37 mg/L	3.24 NTU	299.3 mV	1.34 ft	200.00 ml/min
2/20/2025 3:55 PM	15:00	6.45 pH	12.84 °C	651.39 µS/cm	0.36 mg/L	3.35 NTU	289.5 mV	1.36 ft	200.00 ml/min
2/20/2025 4:00 PM	20:00	6.45 pH	13.28 °C	649.13 µS/cm	0.31 mg/L	3.80 NTU	261.5 mV	1.36 ft	200.00 ml/min
2/20/2025 4:05 PM	25:00	6.45 pH	13.46 °C	628.52 µS/cm	0.21 mg/L	4.39 NTU	242.3 mV	1.36 ft	200.00 ml/min
2/20/2025 4:10 PM	30:00	6.46 pH	13.09 °C	636.17 µS/cm	0.24 mg/L	3.89 NTU	228.2 mV	1.37 ft	200.00 ml/min
2/20/2025 4:15 PM	35:00	6.45 pH	13.52 °C	541.02 µS/cm	0.24 mg/L	4.40 NTU	211.7 mV	1.37 ft	200.00 ml/min
2/20/2025 4:20 PM	40:00	6.44 pH	13.59 °C	638.87 µS/cm	0.21 mg/L	4.64 NTU	195.9 mV	1.37 ft	200.00 ml/min
2/20/2025 4:25 PM	45:00	6.44 pH	13.33 °C	629.32 µS/cm	0.21 mg/L	3.81 NTU	187.5 mV	1.37 ft	200.00 ml/min
2/20/2025 4:30 PM	50:00	6.44 pH	13.66 °C	658.84 µS/cm	0.20 mg/L	3.80 NTU	259.6 mV	1.37 ft	200.00 ml/min
2/20/2025 4:35 PM	55:00	6.44 pH	13.32 °C	649.72 µS/cm	0.19 mg/L	3.40 NTU	185.3 mV	1.37 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-21	Sampled at 1635

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2025 2:08:05 PM
Project: SCH-SGWC-22
Operator Name: Terrell Parker

Location Name: SCH-SGWC-22 **Latitude: 33.066382748105625** **Longitude: -83.81929297939298** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.6 ft** **Total Depth: 52.6 ft** **Initial Depth to Water: 29.64 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: 1/4 LDPE** **Pump Intake From TOC: 44.20 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.04 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:

Weather Conditions:
Clear, Sunny, windy, 40 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/20/2025 2:08 PM	00:00	5.71 pH	16.66 °C	298.54 µS/cm	3.59 mg/L	17.90 NTU	18.3 mV	29.64 ft	200.00 ml/min
2/20/2025 2:13 PM	05:00	5.67 pH	17.42 °C	280.56 µS/cm	1.89 mg/L	15.70 NTU	38.9 mV	30.74 ft	200.00 ml/min
2/20/2025 2:18 PM	10:00	5.66 pH	17.47 °C	286.36 µS/cm	1.09 mg/L	15.60 NTU	53.8 mV	30.87 ft	200.00 ml/min
2/20/2025 2:23 PM	15:00	5.65 pH	17.49 °C	289.62 µS/cm	0.72 mg/L	12.00 NTU	58.7 mV	30.88 ft	200.00 ml/min
2/20/2025 2:28 PM	20:00	5.65 pH	17.49 °C	295.94 µS/cm	0.58 mg/L	9.51 NTU	62.7 mV	30.90 ft	200.00 ml/min
2/20/2025 2:33 PM	25:00	5.66 pH	17.36 °C	305.18 µS/cm	0.52 mg/L	7.74 NTU	71.5 mV	30.91 ft	200.00 ml/min
2/20/2025 2:38 PM	30:00	5.67 pH	17.36 °C	307.50 µS/cm	0.53 mg/L	5.73 NTU	71.4 mV	30.92 ft	200.00 ml/min
2/20/2025 2:43 PM	35:00	5.68 pH	17.18 °C	312.51 µS/cm	0.56 mg/L	4.98 NTU	73.4 mV	30.80 ft	200.00 ml/min
2/20/2025 2:48 PM	40:00	5.69 pH	17.03 °C	318.68 µS/cm	0.49 mg/L	3.68 NTU	75.0 mV	30.73 ft	200.00 ml/min
2/20/2025 2:53 PM	45:00	5.69 pH	16.74 °C	322.28 µS/cm	0.49 mg/L	3.31 NTU	77.3 mV	30.68 ft	200.00 ml/min
2/20/2025 2:58 PM	50:00	5.70 pH	16.99 °C	321.89 µS/cm	0.54 mg/L	2.89 NTU	78.9 mV	30.68 ft	200.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-22	Groundwater sample time 15:05

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/21/2025 9:52:23 AM
Project: SCH-SGWC-23
Operator Name: Terrell Parker

Location Name: SCH-SGWC-23 **Latitude: 33.069595322043696** **Longitude: -83.82216000937281** **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 42.6 ft** **Total Depth: 52.6 ft** **Initial Depth to Water: 36.33 ft**	**Pump Type: Dedicated Bladder** **Tubing Type: 1/4 LDPE** **Pump Intake From TOC: 44.25 ft** **Estimated Total Volume Pumped: 8.75 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080302**

Test Notes:

Weather Conditions:
Clear, Sunny, breezy, 30 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
2/21/2025 9:52 AM	00:00	6.52 pH	14.42 °C	297.99 µS/cm	5.51 mg/L	0.65 NTU	246.9 mV	36.33 ft	250.00 ml/min
2/21/2025 9:57 AM	05:00	6.06 pH	16.12 °C	300.81 µS/cm	2.10 mg/L	0.67 NTU	215.4 mV	36.46 ft	250.00 ml/min
2/21/2025 10:02 AM	10:00	6.01 pH	16.54 °C	301.21 µS/cm	1.33 mg/L	0.73 NTU	253.1 mV	36.46 ft	250.00 ml/min
2/21/2025 10:07 AM	15:00	5.99 pH	16.38 °C	279.40 µS/cm	1.72 mg/L	0.48 NTU	206.0 mV	36.46 ft	250.00 ml/min
2/21/2025 10:12 AM	20:00	5.96 pH	16.69 °C	261.18 µS/cm	2.49 mg/L	0.42 NTU	215.4 mV	36.45 ft	250.00 ml/min
2/21/2025 10:17 AM	25:00	5.94 pH	16.64 °C	255.04 µS/cm	2.87 mg/L	0.28 NTU	276.1 mV	36.45 ft	250.00 ml/min
2/21/2025 10:22 AM	30:00	5.93 pH	16.74 °C	251.56 µS/cm	2.96 mg/L	0.27 NTU	276.6 mV	36.45 ft	250.00 ml/min
2/21/2025 10:27 AM	35:00	5.93 pH	16.60 °C	248.12 µS/cm	3.03 mg/L	0.23 NTU	217.5 mV	36.45 ft	250.00 ml/min

Samples

Sample ID:	Description:
SCH-SGWC-23	Groundwater sample time 10:35

APPENDIX A

Instrument Calibration Records
February 2025

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2/17/25

Calibrated By: Daniel Howard

Field Conditions: clear + cold

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	1167960
Turbidity Meter	Hach2100Q	24090D000303

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/25	AtI Instrum
pH (SU)	4.00	24010943	5/25	↓
pH (SU)	7.00	24008587	6/25	↓
pH (SU)	10.00	24004996	6/25	↓
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011292	6/25	AtI Instru

Did not use Aquatroll today

Calibration					
Time Start 0945		Time Finish 1020			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4455	14.92	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	14.92	± 0.1	GWMP
pH (SU)	7.00	7.04	15.01	± 0.1	GWMP
pH (SU)	10.00	10.11	14.18	± 0.1	GWMP
D.O. (%)	N/A	11.46	10.71	± 10%	NA
ORP (mV)	228.0	243.4	14.29	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	99.9		
	800	800		
	10	10.0		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2/19/25

Calibrated By: Daniel Howard

Field Conditions: Raining Overcast

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	1167960
Turbidity Meter	Hach 2100Q	24090000303

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	5/25	Atl Instru
pH (SU)	4.00	24010943	5/25	↓
pH (SU)	7.00	24008587	6/25	
pH (SU)	10.00	24004996	6/25	↓
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011292	6/25	Atl Instru

Calibration					
Time Start 0515		**Time Finish** 0545			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	22.11	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	21.88	± 0.1	GWMP
pH (SU)	7.00	7.02	20.59	± 0.1	GWMP
pH (SU)	10.00	10.05	19.62	± 0.1	GWMP
D.O. (%)	N/A	8.37	25.36	± 10%	NA
ORP (mV)	228.0			± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.8		
	800	798		
	ck 10	10.0		

Calibration Check					
Time Start ~~0~~ 510 pm		**Time Finish** ~~0~~ 525 pm			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	21.69	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	21.69	± 0.1	GWMP
pH (SU)	7.00	7.02	21.15	± 0.1	GWMP
pH (SU)	10.00	10.03	20.55	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	99.4		
	800	795		
	ck 10	9.95		

Notes:

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2/20/25

Calibrated By: Daniel Howard

Field Conditions: Partly sunny & Cold

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll	1167960
Turbidity Meter	Hach2100Q	24090D000363

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/25	Atl Instru
pH (SU)	4.00	24010943	5/25	↓
pH (SU)	7.00	24008587	6/25	
pH (SU)	10.00	24004996	6/25	
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011292	6/25	Atl Instru

Calibration

Time Start 0515 Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490	22.72	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	22.78	± 0.1	GWMP
pH (SU)	7.00	7.02	21.09	± 0.1	GWMP
pH (SU)	10.00	10.05	21.49	± 0.1	GWMP
D.O. (%)	N/A	8.97 mg/L	23.05	± 10%	NA
ORP (mV)	228.0	234.7	20.95	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	100		
	800	799		
	ck 10	9.99		

Calibration Check

Time Start 1620 Time Finish 1640

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4474	17.61	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	17.61	± 0.1	GWMP
pH (SU)	7.00	7.03	17.18	± 0.1	GWMP
pH (SU)	10.00	10.06	16.76	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.4	± 10% of standard	EPA 2023
	100	101		
	800	795		
	ck 10	10.2		

Notes:

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2/21/25

Calibrated By: Daniel Howard

Field Conditions: _____

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua Troll	1167960
Turbidity Meter	Hach 2100Q	24090300303

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	5/25	Atl Instru
pH (SU)	4.00	24010943	5/25	↓
pH (SU)	7.00	24008587	6/25	
pH (SU)	10.00	24004996	6/25	↓
D.O. (%)	N/A	—	—	—
ORP (mV)	228.0	24011292	6/25	Atl Instru

Calibration					
Time Start 0515		**Time Finish** 0545			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4490	21.76	± 10% of standard	EPA 2023
pH (SU)	4.00	4.00	21.76	± 0.1	GWMP
pH (SU)	7.00	7.02	20.86	± 0.1	GWMP
pH (SU)	10.00	10.05	20.31	± 0.1	GWMP
D.O. (%)	N/A	9.03	23.18	± 10%	NA
ORP (mV)	228.0	235.6	20.06	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.0	± 10% of standard	EPA 2023
	100	99.9		
	800	800		
	10	9.98		

Calibration Check					
Time Start 1147		**Time Finish** 1200			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4416	17.66	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	17.66	± 0.1	GWMP
pH (SU)	7.00	7.04	14.93	± 0.1	GWMP
pH (SU)	10.00	10.07	13.84	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.6	± 10% of standard	EPA 2023
	100	99.5		
	800	794		
	CK 10	10.2		

Notes:

Site Name: Plant Sch

Field Instrumentation Calibration Form

Date: 2/26/25

Calibrated By: EEA

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	1146036	Aquaread
Turbidity Meter	23[illegible]3M	HACH

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	240205W3	05/25	ADV
pH (SU)	4.00	↓	05/25	↓
pH (SU)	7.00	240285B9	06/25	
pH (SU)	10.00	240299W6	06/25	
D.O. (%)	N/A			
ORP (mV)	228.0	240119A2	05/25	

Calibration					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4550	20.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.04	20.23	± 0.1	GWMP
pH (SU)	7.00	6.98	20.18	± 0.1	GWMP
pH (SU)	10.00	10.00	20.11	± 0.1	GWMP
D.O. (%)	N/A	97.1	20.27	± 10%	NA
ORP (mV)	228.0	214.3	20.05	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	9.87	± 10% of standard	EPA 2023
	20	20		
	100	100		
	800	794		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4489	26.21	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	25.95	± 0.1	GWMP
pH (SU)	7.00	7.01	26.12	± 0.1	GWMP
pH (SU)	10.00	9.98	25.87	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	9.9	± 10% of standard	EPA 2023
	20	20.1		
	100	100		
	800	800		

Notes:

Site Name: Plant Sch

Field Instrumentation Calibration Form

Date: 2/25/25

Calibrated By: SSA

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	1146036	Aquaton
Turbidity Meter	23C20D00314	HACH

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/25	HACH
pH (SU)	4.00	↓	05/25	↓
pH (SU)	7.00	24008589	06/25	
pH (SU)	10.00	24004996	06/25	
D.O. (%)	N/A			
ORP (mV)	228.0	24011492	06/25	

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4511	20.73	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	20.72	± 0.1	GWMP
pH (SU)	7.00	6.99	20.56	± 0.1	GWMP
pH (SU)	10.00	10.01	20.48	± 0.1	GWMP
D.O. (%)	N/A	98.1 %	20.03	± 10%	NA
ORP (mV)	228.0	219.5	20.41	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.86	± 10% of standard	EPA 2023
	20	20		
	100	99.9		
	800	803		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4510	25.1	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	24.92	± 0.1	GWMP
pH (SU)	7.00	6.98	25.6	± 0.1	GWMP
pH (SU)	10.00	10.02	25.81	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.9	± 10% of standard	EPA 2023
	20	20.1		
	800	99.8		
	800	802		

Notes:

Site Name: Plant Sch

Field Instrumentation Calibration Form

Date: 2/24/25

Calibrated By: EA

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	446036	Aquaread
Turbidity Meter	2306D000344	HACH

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	240|0943	05/25	Aq
pH (SU)	4.00	↓	05/25	↓
pH (SU)	7.00	240085874	06/25	
pH (SU)	10.00	240094961	06/25	
D.O. (%)	N/A			
ORP (mV)	228.0	240114921	06/25	↓

Calibration					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4680	18.89	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	18.99	± 0.1	GWMP
pH (SU)	7.00	6.95	19.07	± 0.1	GWMP
pH (SU)	10.00	9.94	19:11	± 0.1	GWMP
D.O. (%)	N/A	119.2	19.03	± 10%	NA
ORP (mV)	228.0	223.5	19.03	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	~~10~~ ~~7.99~~	9.79	± 10% of standard	EPA 2023
	20	~~19.8~~ 20		
	100	102		
	800	~~782~~ 797		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4510	24.6	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	23.9	± 0.1	GWMP
pH (SU)	7.00	6.99	24.7	± 0.1	GWMP
pH (SU)	10.00	9.97	25.01	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	9.89	± 10% of standard	EPA 2023
	20	20.1		
	100	102		
	800	799		

Notes:

Site Name: Plant Sch

Field Instrumentation Calibration Form

Date: 2/12/25

Calibrated By: ESA

Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	1146036	Aquaread
Turbidity Meter	13060200684	HACH

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/25	AP
pH (SU)	4.00	↓ ↓	05/25	
pH (SU)	7.00	24005587	06/25	
pH (SU)	10.00	24004996	06/25	
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	06/25	

Calibration					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4499.7	2.07	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	2.28	± 0.1	GWMP
pH (SU)	7.00	6.97	1.4	± 0.1	GWMP
pH (SU)	10.00	10.15	1.39	± 0.1	GWMP
D.O. (%)	N/A	89.39	1.34	± 10%	NA
ORP (mV)	228.0	240.3	1:45	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	10.2	± 10% of standard	EPA 2023
	20	20.3		
	100	100		
	800	811		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4217	9.3	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	9.41	± 0.1	GWMP
pH (SU)	7.00	6.99	7.1	± 0.1	GWMP
pH (SU)	10.00	10.3	5.98	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	9.89	± 10% of standard	EPA 2023
	20	20.4		
	100	101		
	800	801		

Notes:

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2/19/25

Calibrated By: EEA

Field Conditions: Cloudy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquaread	11460336
Turbidity Meter	HACH	2380D 0003149

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/25	AW
pH (SU)	4.00	↓↓	05/25	↓
pH (SU)	7.00	24000557	06/25	
pH (SU)	10.00	24001996	06/25	
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	06/25	↓

Calibration					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4460	6.32	± 10% of standard	EPA 2023
pH (SU)	4.00	3.96	6.34	± 0.1	GWMP
pH (SU)	7.00	7.06	6.35	± 0.1	GWMP
pH (SU)	10.00	10.13	6.49	± 0.1	GWMP
D.O. (%)	N/A	101.2%	6.11	± 10%	NA
ORP (mV)	228.0	253.1	6.55	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.1	± 10% of standard	EPA 2023
	20	20.2		
	100	102		
	800	794		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4124	9.26	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01	9.12	± 0.1	GWMP
pH (SU)	7.00	7.02	7.02	± 0.1	GWMP
pH (SU)	10.00	10.11	6.03	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.3	± 10% of standard	EPA 2023
	20	19.9		
	100	99.7		
	800	807		

Notes:

Site Name: Plant Sch

Field Instrumentation Calibration Form

Date: 2/20/25

Calibrated By: EEA

Field Conditions: sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	1146 ProSolo	AquaTroll
Turbidity Meter	2360	200034 HACH

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/25	YSI
pH (SU)	4.00	↓	05/25	↓
pH (SU)	7.00	24005587	06/25	
pH (SU)	10.00	24004996	06/25	
D.O. (%)	N/A			
ORP (mV)	228.0	24015912	06/25	

Calibration					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4302	7.25	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	7.11	± 0.1	GWMP
pH (SU)	7.00	7.07	6.66	± 0.1	GWMP
pH (SU)	10.00	10.12	6.57	± 0.1	GWMP
D.O. (%)	N/A	99.5	9.2	± 10%	NA
ORP (mV)	228.0	247.6	6.56	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	10.2	± 10% of standard	EPA 2023
	20	20.1		
	100	100		
	800	810		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	3383	9.14	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	9.14	± 0.1	GWMP
pH (SU)	7.00	7.05	6.87	± 0.1	GWMP
pH (SU)	10.00	10.10	5.96	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	10.7	± 10% of standard	EPA 2023
	20	20.8		
	100	98.6		
	800	804		

Notes:

Site Name: SCHERER

Field Instrumentation Calibration Form

Date: 2/24/25

Calibrated By: M. MANN

Field Conditions: GOOD

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	YSI PRO AQUATROLL	965586
Turbidity Meter	HACH 2100Q	23100D000373

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010943	05/25	AIR
pH (SU)	4.00	24010943	05/25	↓
pH (SU)	7.00	24008587	06/25	↓
pH (SU)	10.00	24004996	06/25	↓
D.O. (%)	N/A	—	—	↓
ORP (mV)	228.0	24011792	06/25	↓

Calibration					
Time Start 900		**Time Finish** 910			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4731.9	19.75	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	19.78	± 0.1	GWMP
pH (SU)	7.00	7.03	19.45	± 0.1	GWMP
pH (SU)	10.00	10.03	19.38	± 0.1	GWMP
D.O. (%)	N/A	102.07	19.32	± 10%	NA
ORP (mV)	228.0	~~200~~ 227.5	19.33	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	10.3	± 10% of standard	EPA 2023
	20	19.6		
	100	97.1		
	800	807		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4821.2	19.88	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	19.87	± 0.1	GWMP
pH (SU)	7.00	7.04	19.32	± 0.1	GWMP
pH (SU)	10.00	10.07	19.11	± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	10	9.86	± 10% of standard	EPA 2023
	20	19.2		
	100	101		
	800	792		

Notes:

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2-1725 09:44

Calibrated By: T. PARKER

Field Conditions: Clear Sunny. 35°F

Finish CAL @ 10:15

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Ins/Aquaread/1400	1080302
Turbidity Meter		

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/2025	AIRADVISED
pH (SU)	4.00	24018947	5/2025	AIRADVISED
pH (SU)	7.00	24008587	6/2025	
pH (SU)	10.00	24004496	6/2025	
D.O. (%)	N/A			
ORP (mV)	228.0	24011492	6/2025	

Slope/offset 1 = -54.15 mV/pH -8.4mV Slope/offset 2 = -54.28mV/pH -8.4mV

Calibration

Time Start: ____ Time Finish: ____

Parameter	Standard (pH mV)	Before/After Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	5111.4/4480	10.02	± 10% of standard	EPA 2023
pH (SU)	4.00 152.6	4.04/4.00	9.65	± 0.1	GWMP
pH (SU)	7.00 -11.9	7.11/7.06	9.48	± 0.1	GWMP
pH (SU)	10.00 -178.7	10.14/10.13	9.37	± 0.1	GWMP
D.O. (%)	N/A	10.33/9.45	12.15	± 10%	NA
ORP (mV)	228.0	228.1/246.2	11.84	± 10	EPA 2023

Offset: 5.4mV Therm: 246.2mV

SC offset = 0.00 µS/cm Cell const = 1.037

Slope: 1.130738 offset: 0.00 mg/L Baro: 1,008.2 mbar

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Calibration Check

Time Start: ____ Time Finish: ____

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes: * DO = 10.72 mg/L under live readings after cal. 10:27 used for surface water sampling. (MARKmann)

Site Name: GP- Scherer

Field Instrumentation Calibration Form

Calibrated By: T. PARKER

Date: 2-19-2025 (wetnes day)

Field Conditions: overcast, rain 40°F

ST 05:27
Finish: 05:57

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	In-Situ/Aquatroll	1080302
Turbidity Meter	HACH/2100Q	24000000008

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	AIR PRODUCTS
pH (SU)	4.00	24018943	05/2025	
pH (SU)	7.00	24008587	06/2025	
pH (SU)	10.00	24004986	06/2025	
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	06/2025	AIR PRODUCTS

OFFSET: 0.00 µS/cm Cell Constant: 1.015 Ref Temp: 25°C

Calibration

Time Start: Time Finish:

Parameter	Standard	Before/After Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4588/4490	20.83	± 10% of standard	EPA 2023
pH (SU)	4.00	3.95/4.00	20.85	± 0.1	GWMP
pH (SU)	7.00	7.00/7.02	20.07	± 0.1	GWMP
pH (SU)	10.00	9.97/10.05	19.10	± 0.1	GWMP
D.O. (%)	N/A	9.89/9.51	18.54	± 10%	NA
ORP (mV)	228.0	230.7/237.0	18.48	±10	EPA 2023

Slope/Offset = -56.91 mV/pH - 75 mV Slope/Offset 2: -55.16mV/pH - 7.6 mV

Slope = 1.114725
Offset: 0.08 mg/L
Baro: 1,008.7 mbar
Theory = 9.51 mg/L

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
07:47 Recal 20.1 ✓	20	18.7	93.5% ✓	Lot# 24845011 Exp. Nov. 2025
102 ✓	100	93.3	93% ✓	Lot# 25845901 Exp. Dec. 2025
958	800	685	85.6%	± 10% of standard EPA 2023 CSTD-2060501 Exp. Sept. 2025
9.88 ✓	10.0	9.93	99.3% ✓	Lot#A4247 Exp. Dec. 2025

Calibration Check

Time Start: 19:45 Time Finish: 19:58

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4413.2 ✓	19.51	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05 ✓	19.51	± 0.1	GWMP
pH (SU)	7.00	7.05 ✓	18.70	± 0.1	GWMP
pH (SU)	10.00	10.14 ✓	18.23	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.8 ✓	± 10% of standard	EPA 2023
	100	94.5 ✓		
	800	779 ✓		
	10	9.78		

Notes: For GW Sampling on 2-19-2025

Field Instrumentation Calibration Form

Site Name: GD-Scherer

Date: 2-20-2025

Calibrated By: T. PARKER

Field Conditions: Overcast 7. Cal in Hotel Room

CAL START: 05:40

CAL Finish: 06:10

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Insitu/Aquatroll	1080302
Turbidity Meter	Hach/2100Q	24100000008

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	AIR PROVIDED
pH (SU)	4.00	24010943	05/2025	
pH (SU)	7.00	24008587	06/2025	
pH (SU)	10.00	24004996	06/2025	
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	06/2025	AIR PROVIDED

→ OFFSET = 0.00 µS/cm Cell Constant: 1.026 Ref. temp.: 25°C

Calibration

Time Start — Time Finish

Parameter	Standard	pH in / before / after Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,416.2 / 4,418 ✓	17.99	± 10% of standard	EPA 2023
pH (SU)	4.00 139.5	4.04 / 4.00 ✓	18.29	± 0.1	GWMP
pH (SU)	7.00 -19.7	7.06 / 7.02 ✓	18.07	± 0.1	GWMP
pH (SU)	10.00 -179.4	10.14 / 10.05 ✓	18.06	± 0.1	GWMP
D.O. (%) 100.98%	N/A	9.56 / 9.47 ✓	17.69	± 10%	NA
ORP (mV) Theory 237.6	228.0	232.1 / 232.2 ✓	18.56	± 10	EPA 2023

→ Slope/offset 1 = -56.34 mV/pH / 9.5 mV / 5 kPa / offset 2 = -55.71 mV/pH / -9.5 mV

→ Slope = 1.13477901
→ offset = -0.00 mg/L
Barred = 1,009.8 mbar
Theory = 9.46 mg/L
→ offset = 2.4 mV

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.8 ✓	± 10% of standard	EPA 2023
	100	99.8 ✓		
	800	78.7 ✓		
	10	9.88 ✓		

Calibration Check

Time Start 18:50 — Time Finish 19:05

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,431.3 ✓	12.67	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01 ✓	12.67	± 0.1	GWMP
pH (SU)	7.00	7.04 ✓	13.12	± 0.1	GWMP
pH (SU)	10.00	10.07 ✓	13.24	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.7 ✓	± 10% of standard	EPA 2023
	100	99.0 ✓		
	800	77.4		
	10	9.84		

Notes:

For GW Sampling on 2-20-2025

Site Name: CP-Scherer

Calibrated By: T. PARKER

Field Instrumentation Calibration Form

Friday
Date: 2-21-25

Field Conditions: Partly cloudy, 24°F

ST: 05:14
FINISH: 05:50

Cal in Hotel Room

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Insitu/Aquatroll	1080302
Turbidity Meter	HACH/2100Q	24100D000008

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24K1943	05/2025	AIR Provided
pH (SU)	4.00	24010943	05/2025	
pH (SU)	7.00	24008587	05/2025	
pH (SU)	10.00	24007996	06/2025	
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	06/2025	AIR Provided

OFFSET = 0.00 mg/Cm Cell constant: 1.023 @25.0°C Ref. temp.

Calibration

Time Start _____ Time Finish _____

Parameter	Standard	Before/After Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,504.5/4,499	21.23	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02/4.00	21.31	± 0.1	GWMP
pH (SU)	7.00	7.02/7.02	20.98	± 0.1	GWMP
pH (SU)	10.00	10.02/10.05	20.54	± 0.1	GWMP
D.O. (%)	SAT = N/A	9.48/9.47	18.43	± 10%	NA
ORP (mV)	228.0	233.8/235.2	20.05	± 10	EPA 2023

Slope: 1.1322926 offset: +0.0mV 1,020.7mBar offset: 14.1 mV

slope/offset#1: -56.6mV/pH slope/offset#2: -55.75mV/pH/9.6mV

DO Theory: 9.45mg/L

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	Lot# A4225 Exp Nov. 2025	EPA 2023
	100	98.8	Lot# A4225 Exp Dec. 2025	
	800	775	± 10% of standard	
Verify Cal	10	9.48	Lot# A4176 Exp: Sept. 2025	

Calibration Check

Time Start 11:25 Time Finish 11:45

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference	
Specific Conductance (µS/cm)	4,490	4,328.2	15.37	± 10% of standard	EPA 2023	96%R
pH (SU)	4.00	4.03	15.34	± 0.1	GWMP	101%R
pH (SU)	7.00	7.06	15.71	± 0.1	GWMP	101%R
pH (SU)	10.00	10.07	15.61	± 0.1	GWMP	101%R

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.7	± 10% of standard	EPA 2023
	100	97.1		
	800	789		
10.0 9.54	10.0	9.51		

JDO 2-21-25

Notes:

USED Air GW Sampling. SGWC-23.

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: MONDAY 2-24-25

Calibrated By: T. BARKER

Field Conditions: OVERCAST, 50°F

Begin: 10:03

Finish 10:36

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	YSI/ProDSS	16B03C2
Turbidity Meter	HACH/2100Q	241000C000018

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24D1943	5/2025	HACH PROVIDED
pH (SU)	4.00	24D1943	5/2025	
pH (SU)	7.00	24C08587	6/2025	
pH (SU)	10.00	24D04996	6/2025	
D.O. (%)	N/A			
ORP (mV)	228.0	24D11792	6/2025	HACH PROVIDED

OFFSET: 0.00 µS/cm Cell Constant: 1.038 Ref. temp: 25°C

Calibration

Time Start: Time Finish:

Parameter	Standard	Before/After Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,483 / 4,511 ✓	14.25°C	± 10% of standard	EPA 2023
pH (SU)	4.00 / 155.7	4.01 / 4.00 ✓	14.22°C	± 0.1	GWMP
pH (SU)	7.00 / 11.2	7.03 / 7.04 ✓	17.02°C	± 0.1	GWMP
pH (SU)	10.00 / 177.8	10.06 / 10.11 ✓	17.09°C	± 0.1	GWMP
D.O. (%) 100.47%	N/A	9.46 / 9.41 ✓	17.83	± 10%	NA
ORP (mV)	228.0 / 235.1	238.8 / 238.6 ✓	17.69	± 10	EPA 2023

Slope: 1.176927 Offset: 0.00 mg/L Baro: 1002.9 mbar DO Theory:

Slope: 0 Offset: -54.82 mV/pH ±8.1 mV Slope/Offset: -54.3 mV/pH ±8.8 mV

ORP OFFSET: 14.0 MV

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.5 ✓	± 10% of standard	EPA 2023
	100	98.7 ✓		
	800	777 ✓		
	10	9.77 ✓		

Calibration Check

Time Start: 19:58 Time Finish: 20:10

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,713	21.55	± 10% of standard	EPA 2023
pH (SU)	4.00	4.03	21.55	± 0.1	GWMP
pH (SU)	7.00	7.06	21.39	± 0.1	GWMP
pH (SU)	10.00	10.09	21.03	± 0.1	GWMP

105%R ✓ 101%R ✓ 101%R ✓

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.6 ✓	± 10% of standard	EPA 2023
	100	97.6 ✓		
	800	783 ✓		
	10	9.65 ✓		

Notes: USED FOR GW SAMPLING

Site Name: GP-Scherer

Field Instrumentation Calibration Form

Date: Tuesday 2-25-25

Calibrated By: T. PARKER

Field Conditions: Clear, sunny, 68°F

START: 05:20
FINISH: 05:45

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Insitu/Aquatroll 400	1080302
Turbidity Meter	Hach/2100Q is	24100D000008

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	5/2025	AIR PROVIDED
pH (SU)	4.00	24010943	5/2025	
pH (SU)	7.00	24008587	6/2025	
pH (SU)	10.00	24064996	6/2025	
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	6/2025	AIR PROVIDED

OFFSET = 0.00 µs/cm Cell Constant = 1.002 Ref. temp: 25°C

Calibration

Time Start: Time Finish:

Parameter	Standard	Before / After Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,652a / 4,489 ✓	21.11	± 10% of standard	EPA 2023
pH (SU)	4.00 / 160.0	3.99 / 4.00 ✓	21.10	± 0.1	GWMP
pH (SU)	7.00 / 70.6	7.03 / 7.02 ✓	21.22	± 0.1	GWMP
pH (SU)	10.00 / 176.2	10.04 / 10.05 ✓	21.17	± 0.1	GWMP
D.O. (%) 98.9%	N/A	8.53 / 8.64 ✓	22.03	± 10%	NA
ORP (mV)	228.0 / 233.9	234.6 / 233.3 ✓	21.31	± 10	EPA 2023

Slope/Offset 1: 56.42 pH/mV / -9.2 mV Slope/Offset 2: -54.8 pH/mV / -9.2 mV

OFFSET = 13.3 mV @ 21.32°C

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.4 ✓	± 10% of standard	EPA 2023
	100	98.8 ✓		
	800	789 ✓		
	10	9.96 ✓		

Theory = 8.63 mg/L @ 22.03°C

BA20 = 1,000.6 mbar

Calibration Check

Time Start: 19:42 Time Finish: 19:54

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,520.4 ✓	24.68	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05 ✓	24.70	± 0.1	GWMP
pH (SU)	7.00	7.04 ✓	24.03	± 0.1	GWMP
pH (SU)	10.00	10.11 ✓	22.70	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1 ✓	± 10% of standard	EPA 2023
	100	100 ✓		
	800	797 ✓		
	10.11	9.93 ✓		

AP 2-25-25

Notes:

Used for GW Sampling

Site Name: GP-Scherer

Field Instrumentation Calibration Form

Wednesday

Date: 2-26-25

Calibrated By: T. Parker

Field Conditions: Clear, Sunny, 30's

START: 05:26
Finish: 05:54

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Insitu/Aquatroll 400	1080302
Turbidity Meter	Hach/2100Q01	24090C00008

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24010943	05/2025	AIR PROVIDED
pH (SU)	4.00	24010943	05/2025	
pH (SU)	7.00	24008587	06/2025	
pH (SU)	10.00	24004996	06/2025	
D.O. (%)	N/A			
ORP (mV)	228.0	24011792	06/2025	AIR PROVIDED

OFFSET = 0.00 µS for Cell constant: 1.005 Ref. Temp: 25°C

Calibration

Time Start: Time Finish:

Parameter	Standard	Before/After Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4476.2/4486 ✓	21.60	± 10% of standard	EPA 2023
pH (SU)	4.00	4.01/4.00 ✓	21.64	± 0.1	GWMP
pH (SU)	7.00	7.02/7.02 ✓	21.64	± 0.1	GWMP
pH (SU)	10.00	10.05/10.05 ✓	21.57	± 0.1	GWMP
D.O. (%) 100.9% ✓	N/A	8.76/8.70 ✓	21.73	± 10%	NA
ORP (mV)	228.0	232.0/233.5 ✓	21.59	± 10	EPA 2023

Slope/offset #1: -56.43mV/pH/-9.3mV Slope/offset #2: -54.54mV/pH/-9.4mV

offset = 14.9m

DO Theory:
C 21.73°C
Baro: 1,002.1 mbar
= 8.69 mg/L
Slope: 1.1281979
offset = 0.0 mg/L

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	20.1 ✓	± 10% of standard	EPA 2023
	100	99.0 ✓		
	800	783.7 ✓		
	10	9.88 ✓		

Calibration Check

Time Start: 16:02 Time Finish: 16:10

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4,456.2 ✓	29.85	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05 ✓	29.86	± 0.1	GWMP
pH (SU)	7.00	7.06 ✓	26.92	± 0.1	GWMP
pH (SU)	10.00	10.05 ✓	25.88	± 0.1	GWMP

104.9% RV ✓
101% RV ✓
101% RV ✓
100.5% RV ✓

START: 15:14 Finish 15:18

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	20	19.7 ✓	98.5% RV ✓	EPA 2023
	100	99.3 ✓	99.3% RV ✓	
	800	787 ✓	± 10% of standard ✓ 98.4% RV ✓	
	10	9.86 ✓	98.6% RV ✓	

Notes: Used for GW Sampling

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2/18/25

Calibrated By: DCB

Field Conditions: rainy 40 °F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	1179236	Aquaread
Turbidity Meter	23100D000368	HACH

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490	24010948	05/25	AIR
pH (SU)	4.00	"	"	
pH (SU)	7.00	24005567	06/25	
pH (SU)	10.00	24004996	06/25	
D.O. (%)	N/A	—	—	
ORP (mV)	228.0	24011792	06/25	

Calibration					
Time Start 0920		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490	4417.5	9.81	± 10% of standard	EPA 2023
pH (SU)	4.00	3.96	9.82	± 0.1	GWMP
pH (SU)	7.00	7.01	10.47	± 0.1	GWMP
pH (SU)	10.00	10.15	11.88	± 0.1	GWMP
D.O. (%)	N/A	100.08	11.81	± 10%	NA
ORP (mV)	228.0	236.9	11.62	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	94.4		
	800	780		
	10	9.90		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 2/20/25

Calibrated By: DCB

Field Conditions: Cloudy 45° F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter		
Turbidity Meter		

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
Specific Conductance (µS/cm)	4,490			
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration

Time Start 0956 **Time Finish**

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4513.9	16.72	± 10% of standard	EPA 2023
pH (SU)	4.00	4.07	16.79	± 0.1	GWMP
pH (SU)	7.00	6.96	16.47	± 0.1	GWMP
pH (SU)	10.00	9.97	16.36	± 0.1	GWMP
D.O. (%)	N/A	101.31	16.30	± 10%	NA
ORP (mV)	228.0	222.3	16.27	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	19.9	± 10% of standard	EPA 2023
	100	110		
	800	821		
	10	10.5		

Calibration Check

Time Start **Time Finish**

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490			± 10% of standard	EPA 2023
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)			± 10% of standard	EPA 2023

Notes:

Site Name: SCherer

Field Instrumentation Calibration Form

Date: 2/19/25

Calibrated By: JS

Field Conditions: Rainy

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	465586
Turbidity Meter	HACH	230000373

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490			AIR
pH (SU)	4.00			
pH (SU)	7.00			
pH (SU)	10.00			
D.O. (%)	N/A			
ORP (mV)	228.0			

Calibration					
Time Start 0740	Time Finish 0750				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4270.5	10.05	± 10% of standard	EPA 2023
pH (SU)	4.00	4.06	9.99	± 0.1	GWMP
pH (SU)	7.00	7.15	10.24	± 0.1	GWMP
pH (SU)	10.00	10.31	10.67	± 0.1	GWMP
D.O. (%)	N/A	104		± 10%	NA
ORP (mV)	228.0	234.6	10.69	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	14.7	± 10% of standard	EPA 2023
	100	99.9		
	700	711		
	10	10.1		

Calibration Check					
Time Start	Time Finish				
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4490		± 10% of standard	EPA 2023
pH (SU)	4.00	3.99		± 0.1	GWMP
pH (SU)	7.00	7.01		± 0.1	GWMP
pH (SU)	10.00	10.01		± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	20	20.1	± 10% of standard	EPA 2023
	100	100		
	800	799		
	10	10.1		

Notes:

APPENDIX B

Analytical Results, Data Validation Summaries, and Laboratory Accreditation

APPENDIX B

Analytical Results February 2025

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

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JOB DESCRIPTION

CCR - Plant Scherer Ash Pond

JOB NUMBER

680-262055-1

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
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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.
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
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.
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.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262055-1	SCH-SGWA-4	Water	02/19/25 13:02	02/20/25 11:50
680-262055-2	SCH-SGWC-7	Water	02/19/25 11:54	02/20/25 11:50
680-262055-3	SCH-SGWC-8	Water	02/19/25 13:24	02/20/25 11:50
680-262055-4	SCH-SGWC-9	Water	02/19/25 10:10	02/20/25 11:50
680-262055-5	SCH-SGWC-10	Water	02/19/25 14:45	02/20/25 11:50
680-262055-6	SCH-SGWC-12	Water	02/19/25 15:21	02/20/25 11:50
680-262055-7	SCH-SGWC-13	Water	02/19/25 15:35	02/20/25 11:50
680-262055-8	SCH-SGWC-14	Water	02/19/25 10:24	02/20/25 11:50
680-262055-9	SCH-SGWC-16	Water	02/19/25 15:50	02/20/25 11:50
680-262055-10	SCH-SGWC-17	Water	02/19/25 13:18	02/20/25 11:50
680-262055-11	SCH-SGWA-24	Water	02/19/25 12:28	02/20/25 11:50
680-262055-12	SCH-SGWA-25	Water	02/19/25 14:24	02/20/25 11:50
680-262055-13	SCH-PZ-13S	Water	02/19/25 12:04	02/20/25 11:50
680-262055-14	SCH-PZ-14S	Water	02/19/25 13:52	02/20/25 11:50
680-262055-15	SCH-AP1-FD-1	Water	02/19/25 00:00	02/20/25 11:50
680-262055-16	SCH-AP1-FB-1	Water	02/19/25 14:28	02/20/25 11:50
680-262055-17	SCH-AP1-FD-2	Water	02/19/25 00:00	02/20/25 11:50
680-262055-18	SCH-AP1-EB-2	Water	02/19/25 16:48	02/20/25 11:50
680-262055-19	SCH-AP1-FD-3	Water	02/19/25 00:00	02/20/25 11:50
680-262055-20	SCH-AP1-FB-3	Water	02/19/25 13:42	02/20/25 11:50

Job Narrative
680-262055-1

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 2/20/2025 11:50 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 1.1°C, 1.6°C, 1.7°C, 1.9°C, 2.2°C and 2.3°C.

HPLC/IC
Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-876918 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Sulfate in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-877077 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride and Sulfate 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 680-877077 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 low level check standard recovery associated with batch 680-877074 is outside the acceptance criteria for the following analyte(s): Fluoride.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-877229 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 680-877229 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 2320B: The sample duplicate precision for the following sample associated with analytical batch 680-876995 was outside control limits: (680-262055-F-5 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

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: SCH-SGWC-8 (680-262055-3), SCH-SGWC-9 (680-262055-4), SCH-SGWC-13 (680-262055-7), SCH-SGWC-14 (680-262055-8), SCH-SGWC-17 (680-262055-10) and SCH-AP1-FD-1 (680-262055-15).

Method 9034: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 680-876994 and analytical batch 680-877009 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

Job ID: 680-262055-1 (Continued) Eurofins Savannah

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: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Client Sample ID: SCH-SGWA-4

Lab Sample ID: 680-262055-1

Date Collected: 02/19/25 13:02

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**0.51**	**J**	1.0	0.40	mg/L			02/25/25 15:27	1
Fluoride	<0.040		0.10	0.040	mg/L			02/25/25 15:27	1
Chloride	**1.1**		1.0	0.20	mg/L			02/25/25 15:27	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		02/20/25 16:21	02/24/25 16:35	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:35	1
Barium	**0.077**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:35	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:35	1
Boron	**0.032**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:35	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:35	1
Calcium	**21**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:35	1
Chromium	**0.0056**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:35	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:35	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:35	1
Lithium	**0.0037**	**J**	0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:35	1
Magnesium	**7.2**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:35	1
Manganese	**0.15**	**F1 F2**	0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:35	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:35	1
Potassium	**2.0**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:35	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:35	1
Sodium	**9.2**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:35	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:35	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		03/04/25 11:27	03/04/25 18:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**92**		5.0	2.2	mg/L			02/24/25 23:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**92**		5.0	2.2	mg/L			02/24/25 23:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 23:13	1
Total Dissolved Solids (SM 2540C-2011)	**120**		10	10	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-7

Lab Sample ID: 680-262055-2

Date Collected: 02/19/25 11:54

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**4.8**		1.0	0.40	mg/L			02/25/25 15:37	1
Fluoride	**0.23**		0.10	0.040	mg/L			02/25/25 15:37	1
Chloride	**4.6**		1.0	0.20	mg/L			02/25/25 15:37	1

Client Sample ID: SCH-SGWC-7

Lab Sample ID: 680-262055-2

Date Collected: 02/19/25 11:54

Matrix: Water

Date Received: 02/20/25 11:50

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		02/20/25 16:21	02/24/25 16:57	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:57	1
Barium	**0.25**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:57	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:57	1
Boron	<0.022		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:57	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:57	1
Calcium	**17**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:57	1
Chromium	**0.0014**	**J**	0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:57	1
Cobalt	**0.00023**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:57	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:57	1
Lithium	**0.0063**		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:57	1
Magnesium	**12**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:57	1
Manganese	**0.060**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:57	1
Molybdenum	**0.0010**	**J**	0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:57	1
Potassium	**4.2**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:57	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:57	1
Sodium	**20**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:57	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:57	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		03/04/25 11:27	03/04/25 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**110**		5.0	2.2	mg/L			02/24/25 22:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**110**		5.0	2.2	mg/L			02/24/25 22:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 22:55	1
Total Dissolved Solids (SM 2540C-2011)	**160**		10	10	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-8

Lab Sample ID: 680-262055-3

Date Collected: 02/19/25 13:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**37**		2.0	0.80	mg/L			02/25/25 15:47	2
Fluoride	**0.17**	**J**	0.20	0.080	mg/L			02/25/25 15:47	2
Chloride	**18**		2.0	0.40	mg/L			02/25/25 15:47	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		02/20/25 16:21	02/24/25 16:59	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:59	1
Barium	**0.14**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:59	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:59	1
Boron	**0.042**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:59	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:59	1

Client Sample ID: SCH-SGWC-8

Lab Sample ID: 680-262055-3

Date Collected: 02/19/25 13:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**39**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:59	1
Chromium	**0.0030**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:59	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:59	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:59	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:59	1
Magnesium	**24**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:59	1
Manganese	**0.029**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:59	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:59	1
Potassium	**1.2**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:59	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:59	1
Sodium	**37**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:59	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:59	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		03/03/25 15:25	03/04/25 10:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**200**		5.0	2.2	mg/L			02/24/25 23:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**200**		5.0	2.2	mg/L			02/24/25 23:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 23:23	1
Total Dissolved Solids (SM 2540C-2011)	**330**		40	40	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-9

Lab Sample ID: 680-262055-4

Date Collected: 02/19/25 10:10

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**120**		10	4.0	mg/L			02/25/25 15:57	10
Fluoride	<0.40		1.0	0.40	mg/L			02/25/25 15:57	10
Chloride	**14**		10	2.0	mg/L			02/25/25 15:57	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		02/20/25 16:21	02/24/25 17:05	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:05	1
Barium	**0.035**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:05	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:05	1
Boron	**1.4**		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:05	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:05	1
Calcium	**29**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:05	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:05	1
Cobalt	**0.00058**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:05	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:05	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:05	1
Magnesium	**19**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:05	1

Client Sample ID: SCH-SGWC-9

Lab Sample ID: 680-262055-4

Date Collected: 02/19/25 10:10

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.11**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:05	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:05	1
Potassium	**0.52**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:05	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:05	1
Sodium	**43**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:05	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:05	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		03/03/25 15:25	03/04/25 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**95**		5.0	2.2	mg/L			02/24/25 23:04	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**95**		5.0	2.2	mg/L			02/24/25 23:04	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 23:04	1
Total Dissolved Solids (SM 2540C-2011)	**310**		40	40	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-10

Lab Sample ID: 680-262055-5

Date Collected: 02/19/25 14:45

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**36**	**F1**	1.0	0.40	mg/L			02/25/25 16:26	1
Fluoride	<0.040		0.10	0.040	mg/L			02/25/25 16:26	1
Chloride	**9.6**		1.0	0.20	mg/L			02/25/25 16:26	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		02/20/25 16:21	02/24/25 17:03	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:03	1
Barium	**0.043**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:03	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:03	1
Boron	**0.31**		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:03	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:03	1
Calcium	**4.3**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:03	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:03	1
Cobalt	**0.026**		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:03	1
Iron	**1.6**		0.10	0.012	mg/L		02/20/25 16:21	02/24/25 17:03	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:03	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:03	1
Magnesium	**8.4**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:03	1
Manganese	**0.64**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:03	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:03	1
Potassium	**0.35**	**J**	0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:03	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:03	1
Sodium	**8.1**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:03	1

Client Sample ID: SCH-SGWC-10

Lab Sample ID: 680-262055-5

Date Collected: 02/19/25 14:45

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:03	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		03/03/25 15:25	03/04/25 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**38**		5.0	2.2	mg/L			02/24/25 22:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**38**		5.0	2.2	mg/L			02/24/25 22:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 22:37	1
Total Dissolved Solids (SM 2540C-2011)	**93**		10	10	mg/L			02/24/25 17:56	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWC-12

Lab Sample ID: 680-262055-6

Date Collected: 02/19/25 15:21

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**83**		2.0	0.80	mg/L			02/26/25 15:46	2
Fluoride	<0.080		0.20	0.080	mg/L			02/25/25 16:55	2
Chloride	**12**		2.0	0.40	mg/L			02/25/25 16:55	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		02/20/25 16:21	02/24/25 16:43	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:43	1
Barium	**0.075**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:43	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:43	1
Boron	**0.039**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:43	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:43	1
Calcium	**25**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:43	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:43	1
Cobalt	**0.0018**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:43	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:43	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:43	1
Magnesium	**15**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:43	1
Manganese	**0.58**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:43	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:43	1
Potassium	**0.82**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:43	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:43	1
Sodium	**20**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:43	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080	F1	0.00020	0.000080	mg/L		03/03/25 15:29	03/04/25 09:30	1

Client Sample ID: SCH-SGWC-12

Lab Sample ID: 680-262055-6

Date Collected: 02/19/25 15:21

Matrix: Water

Date Received: 02/20/25 11:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**67**		5.0	2.2	mg/L			02/25/25 00:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**67**		5.0	2.2	mg/L			02/25/25 00:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 00:32	1
Total Dissolved Solids (SM 2540C-2011)	**220**		10	10	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-13

Lab Sample ID: 680-262055-7

Date Collected: 02/19/25 15:35

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**170**		5.0	2.0	mg/L			02/25/25 17:05	5
Fluoride	<0.20		0.50	0.20	mg/L			02/25/25 17:05	5
Chloride	**25**		5.0	1.0	mg/L			02/25/25 17:05	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		02/20/25 16:21	02/24/25 17:07	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:07	1
Barium	**0.044**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:07	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:07	1
Boron	**0.96**		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:07	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:07	1
Calcium	**31**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:07	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:07	1
Cobalt	**0.0018**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:07	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:07	1
Lithium	**0.0025**	**J**	0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:07	1
Magnesium	**13**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:07	1
Manganese	**0.13**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:07	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:07	1
Potassium	**1.6**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:07	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:07	1
Sodium	**36**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:07	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:07	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		03/03/25 15:25	03/04/25 10:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**37**		5.0	2.2	mg/L			02/25/25 00:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**37**		5.0	2.2	mg/L			02/25/25 00:49	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 00:49	1

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Client Sample ID: SCH-SGWC-13

Lab Sample ID: 680-262055-7

Date Collected: 02/19/25 15:35

Matrix: Water

Date Received: 02/20/25 11:50

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**280**		40	40	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-14

Lab Sample ID: 680-262055-8

Date Collected: 02/19/25 10:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**230**		10	4.0	mg/L			02/25/25 17:15	10
Fluoride	<0.40		1.0	0.40	mg/L			02/25/25 17:15	10
Chloride	**30**		10	2.0	mg/L			02/25/25 17:15	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		02/20/25 16:21	02/24/25 17:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:09	1
Barium	**0.032**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:09	1
Boron	**1.6**		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:09	1
Cadmium	**0.00011**	**J**	0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:09	1
Calcium	**37**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:09	1
Chromium	**0.0013**	**J**	0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:09	1
Cobalt	**0.014**		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:09	1
Lithium	**0.0035**	**J**	0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:09	1
Magnesium	**21**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:09	1
Manganese	**0.60**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:09	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:09	1
Potassium	**2.4**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:09	1
Sodium	**42**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000081**	**J**	0.00020	0.000080	mg/L		03/03/25 15:25	03/04/25 11:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**12**		5.0	2.2	mg/L			02/25/25 00:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**12**		5.0	2.2	mg/L			02/25/25 00:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 00:02	1
Total Dissolved Solids (SM 2540C-2011)	**350**		40	40	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-16

Lab Sample ID: 680-262055-9

Date Collected: 02/19/25 15:50

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**84**		5.0	2.0	mg/L			02/25/25 17:25	5
Fluoride	<0.20		0.50	0.20	mg/L			02/25/25 17:25	5
Chloride	**17**		5.0	1.0	mg/L			02/25/25 17:25	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		02/20/25 16:21	02/24/25 16:41	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:41	1
Barium	**0.059**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:41	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:41	1
Boron	**0.88**		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:41	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:41	1
Calcium	**1.9**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:41	1
Chromium	**0.015**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:41	1
Cobalt	**0.0082**		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:41	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:41	1
Lithium	**0.0038**	**J**	0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:41	1
Magnesium	**1.2**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:41	1
Manganese	**0.051**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:41	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:41	1
Potassium	**0.83**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:41	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:41	1
Sodium	**47**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:41	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 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		03/03/25 15:25	03/04/25 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**6.7**		5.0	2.2	mg/L			02/24/25 23:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**6.7**		5.0	2.2	mg/L			02/24/25 23:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 23:29	1
Total Dissolved Solids (SM 2540C-2011)	**150**		10	10	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWC-17

Lab Sample ID: 680-262055-10

Date Collected: 02/19/25 13:18

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**340**		10	4.0	mg/L			02/25/25 17:34	10
Fluoride	<0.40		1.0	0.40	mg/L			02/25/25 17:34	10
Chloride	**20**		10	2.0	mg/L			02/25/25 17:34	10

Client Sample ID: SCH-SGWC-17

Lab Sample ID: 680-262055-10

Date Collected: 02/19/25 13:18

Matrix: Water

Date Received: 02/20/25 11:50

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		02/20/25 16:21	02/24/25 17:21	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:21	1
Barium	**0.032**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:21	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:21	1
Boron	**0.39**		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:21	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:21	1
Calcium	**79**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:21	1
Chromium	**0.0039**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:21	1
Cobalt	**0.00048**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:21	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:21	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:21	1
Magnesium	**40**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:21	1
Manganese	**0.038**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:21	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:21	1
Potassium	**0.58**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:21	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:21	1
Sodium	**29**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:21	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000087**	**J**	0.00020	0.000080	mg/L		03/03/25 15:25	03/04/25 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**64**		5.0	2.2	mg/L			02/25/25 00:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**64**		5.0	2.2	mg/L			02/25/25 00:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 00:58	1
Total Dissolved Solids (SM 2540C-2011)	**520**		40	40	mg/L			02/24/25 17:56	1

Client Sample ID: SCH-SGWA-24

Lab Sample ID: 680-262055-11

Date Collected: 02/19/25 12:28

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/25/25 17:44	1
Fluoride	<0.040		0.10	0.040	mg/L			02/25/25 17:44	1
Chloride	**4.9**		1.0	0.20	mg/L			02/25/25 17:44	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		02/20/25 16:21	02/24/25 17:01	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:01	1
Barium	**0.029**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:01	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:01	1
Boron	<0.022		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:01	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:01	1

Client Sample ID: SCH-SGWA-24

Lab Sample ID: 680-262055-11

Date Collected: 02/19/25 12:28

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**18**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:01	1
Chromium	**0.0060**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:01	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:01	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:01	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:01	1
Magnesium	**8.7**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:01	1
Manganese	**0.010**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:01	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:01	1
Potassium	**1.0**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:01	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:01	1
Sodium	**7.5**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:01	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:01	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		03/03/25 15:25	03/04/25 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**84**		5.0	2.2	mg/L			02/25/25 01:07	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**84**		5.0	2.2	mg/L			02/25/25 01:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:07	1
Total Dissolved Solids (SM 2540C-2011)	**130**		10	10	mg/L			02/25/25 18:04	1

Client Sample ID: SCH-SGWA-25

Lab Sample ID: 680-262055-12

Date Collected: 02/19/25 14:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/25/25 17:54	1
Fluoride	<0.040		0.10	0.040	mg/L			02/25/25 17:54	1
Chloride	**3.4**		1.0	0.20	mg/L			02/25/25 17:54	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		02/20/25 16:21	02/24/25 16:55	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:55	1
Barium	**0.028**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:55	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:55	1
Boron	<0.022		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:55	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:55	1
Calcium	**11**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:55	1
Chromium	**0.0048**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:55	1
Cobalt	**0.00045**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:55	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:55	1
Lithium	**0.0033**	**J**	0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:55	1
Magnesium	**7.6**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:55	1

Client Sample ID: SCH-SGWA-25

Lab Sample ID: 680-262055-12

Date Collected: 02/19/25 14:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.023**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:55	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:55	1
Potassium	**0.74**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:55	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:55	1
Sodium	**5.2**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:55	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:55	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		03/03/25 15:29	03/04/25 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**60**		5.0	2.2	mg/L			02/24/25 23:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**60**		5.0	2.2	mg/L			02/24/25 23:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 23:47	1
Total Dissolved Solids (SM 2540C-2011)	**92**		10	10	mg/L			02/25/25 18:04	1

Client Sample ID: SCH-PZ-13S

Lab Sample ID: 680-262055-13

Date Collected: 02/19/25 12:04

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**0.43**	**J**	1.0	0.40	mg/L			02/25/25 18:04	1
Fluoride	<0.040		0.10	0.040	mg/L			02/25/25 18:04	1
Chloride	**12**		1.0	0.20	mg/L			02/25/25 18:04	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		02/20/25 16:21	02/24/25 16:47	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:47	1
Barium	**0.041**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:47	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:47	1
Boron	<0.022		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:47	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:47	1
Calcium	**5.8**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:47	1
Chromium	**0.0036**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:47	1
Cobalt	**0.0036**		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:47	1
Iron	**0.24**		0.10	0.012	mg/L		02/20/25 16:21	02/24/25 16:47	1
Lead	**0.00069**	**J**	0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:47	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:47	1
Magnesium	**1.8**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:47	1
Manganese	**0.038**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:47	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:47	1
Potassium	**0.35**	**J**	0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:47	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:47	1
Sodium	**5.4**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:47	1

Client Sample ID: SCH-PZ-13S

Lab Sample ID: 680-262055-13

Date Collected: 02/19/25 12:04

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00069**		0.00020	0.000080	mg/L		03/03/25 15:29	03/04/25 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**17**		5.0	2.2	mg/L			02/24/25 23:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**17**		5.0	2.2	mg/L			02/24/25 23:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 23:55	1
Total Dissolved Solids (SM 2540C-2011)	**53**		10	10	mg/L			02/25/25 18:04	1
Sulfide (SW846 9034)	<10	F1 F2	10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-PZ-14S

Lab Sample ID: 680-262055-14

Date Collected: 02/19/25 13:52

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/25/25 18:14	1
Fluoride	<0.040		0.10	0.040	mg/L			02/25/25 18:14	1
Chloride	**5.4**		1.0	0.20	mg/L			02/25/25 18:14	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		02/20/25 16:21	02/24/25 17:25	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:25	1
Barium	**0.038**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:25	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:25	1
Boron	**0.050**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:25	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:25	1
Calcium	**5.2**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:25	1
Chromium	**0.0024**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:25	1
Cobalt	**0.00023**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:25	1
Iron	**0.061**	**J**	0.10	0.012	mg/L		02/20/25 16:21	02/24/25 17:25	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:25	1
Lithium	**0.0031**	**J**	0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:25	1
Magnesium	**3.4**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:25	1
Manganese	**0.018**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:25	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:25	1
Potassium	**0.74**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:25	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:25	1
Sodium	**2.3**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:25	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:25	1

Client Sample ID: SCH-PZ-14S

Lab Sample ID: 680-262055-14

Date Collected: 02/19/25 13:52

Matrix: Water

Date Received: 02/20/25 11:50

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		03/04/25 11:27	03/04/25 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**23**		5.0	2.2	mg/L			02/24/25 23:38	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**23**		5.0	2.2	mg/L			02/24/25 23:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/24/25 23:38	1
Total Dissolved Solids (SM 2540C-2011)	**52**		10	10	mg/L			02/25/25 18:04	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-AP1-FD-1

Lab Sample ID: 680-262055-15

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**130**		10	4.0	mg/L			02/27/25 17:57	10
Fluoride	<0.040	F1 F2	0.10	0.040	mg/L			02/26/25 17:45	1
Chloride	**17**	**F1 F2**	1.0	0.20	mg/L			02/26/25 17:45	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		02/20/25 16:21	02/24/25 17:23	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:23	1
Barium	**0.047**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:23	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:23	1
Boron	**1.6**		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:23	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:23	1
Calcium	**33**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:23	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:23	1
Cobalt	**0.00066**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:23	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:23	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:23	1
Magnesium	**21**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:23	1
Manganese	**0.11**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:23	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:23	1
Potassium	**0.58**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:23	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:23	1
Sodium	**47**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:23	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:23	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		03/03/25 15:25	03/04/25 10:53	1

Client Sample ID: SCH-AP1-FD-1

Lab Sample ID: 680-262055-15

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**93**		5.0	2.2	mg/L			02/25/25 01:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**93**		5.0	2.2	mg/L			02/25/25 01:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:16	1
Total Dissolved Solids (SM 2540C-2011)	**320**		40	40	mg/L			02/25/25 18:04	1

Client Sample ID: SCH-AP1-FB-1

Lab Sample ID: 680-262055-16

Date Collected: 02/19/25 14:28

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/26/25 18:15	1
Fluoride	<0.040		0.10	0.040	mg/L			02/26/25 18:15	1
Chloride	<0.20		1.0	0.20	mg/L			02/26/25 18:15	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		02/20/25 16:21	02/24/25 16:49	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:49	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:49	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:49	1
Boron	<0.022		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:49	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:49	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:49	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:49	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:49	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:49	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:49	1
Magnesium	<0.023		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:49	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:49	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:49	1
Potassium	<0.044		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:49	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:49	1
Sodium	<0.20		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:49	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:49	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		03/03/25 15:29	03/04/25 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:36	1

Client Sample ID: SCH-AP1-FB-1

Lab Sample ID: 680-262055-16

Date Collected: 02/19/25 14:28

Matrix: Water

Date Received: 02/20/25 11:50

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/25/25 18:04	1

Client Sample ID: SCH-AP1-FD-2

Lab Sample ID: 680-262055-17

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**72**		5.0	2.0	mg/L			02/26/25 18:25	5
Fluoride	<0.20		0.50	0.20	mg/L			02/26/25 18:25	5
Chloride	**8.9**		5.0	1.0	mg/L			02/26/25 18:25	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		02/20/25 16:21	02/24/25 17:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:19	1
Barium	**0.067**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:19	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:19	1
Boron	**0.025**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:19	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:19	1
Calcium	**23**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:19	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:19	1
Cobalt	**0.0016**	**J**	0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:19	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:19	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:19	1
Magnesium	**14**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:19	1
Manganese	**0.52**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:19	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:19	1
Potassium	**0.74**		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:19	1
Sodium	**17**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:19	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:19	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		03/03/25 15:29	03/04/25 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**65**		5.0	2.2	mg/L			02/25/25 01:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**65**		5.0	2.2	mg/L			02/25/25 01:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:30	1
Total Dissolved Solids (SM 2540C-2011)	**220**		10	10	mg/L			02/25/25 18:04	1

Client Sample ID: SCH-AP1-EB-2

Lab Sample ID: 680-262055-18

Date Collected: 02/19/25 16:48

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/26/25 18:35	1
Fluoride	<0.040		0.10	0.040	mg/L			02/26/25 18:35	1
Chloride	<0.20		1.0	0.20	mg/L			02/26/25 18:35	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		02/20/25 16:21	02/24/25 16:45	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:45	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:45	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:45	1
Boron	**0.025**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:45	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:45	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:45	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:45	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:45	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:45	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:45	1
Magnesium	**0.024**	**J**	0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:45	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:45	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:45	1
Potassium	<0.044		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:45	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:45	1
Sodium	<0.20		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:45	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 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		03/04/25 11:27	03/04/25 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:21	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/25/25 18:04	1

Client Sample ID: SCH-AP1-FD-3

Lab Sample ID: 680-262055-19

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40	F2	1.0	0.40	mg/L			02/27/25 17:28	1
Fluoride	<0.040		0.10	0.040	mg/L			02/27/25 17:28	1
Chloride	**12**		1.0	0.20	mg/L			02/27/25 17:28	1

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Client Sample ID: SCH-AP1-FD-3

Lab Sample ID: 680-262055-19

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

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		02/20/25 16:21	02/24/25 17:13	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:13	1
Barium	**0.048**		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:13	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:13	1
Boron	**0.035**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:13	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:13	1
Calcium	**6.4**		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:13	1
Chromium	**0.0032**		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:13	1
Cobalt	**0.0037**		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:13	1
Iron	**0.18**		0.10	0.012	mg/L		02/20/25 16:21	02/24/25 17:13	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:13	1
Lithium	**0.0034**	**J**	0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:13	1
Magnesium	**1.9**		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:13	1
Manganese	**0.039**		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:13	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:13	1
Potassium	**0.37**	**J**	0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:13	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:13	1
Sodium	**5.8**		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:13	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:13	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00070**		0.00020	0.000080	mg/L		03/03/25 15:29	03/04/25 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**38**		5.0	2.2	mg/L			02/25/25 01:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**38**		5.0	2.2	mg/L			02/25/25 01:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:50	1
Total Dissolved Solids (SM 2540C-2011)	**55**		10	10	mg/L			02/25/25 18:04	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-AP1-FB-3

Lab Sample ID: 680-262055-20

Date Collected: 02/19/25 13:42

Matrix: Water

Date Received: 02/20/25 11:50

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/26/25 18:54	1
Fluoride	<0.040		0.10	0.040	mg/L			02/26/25 18:54	1
Chloride	<0.20		1.0	0.20	mg/L			02/26/25 18:54	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		02/20/25 16:21	02/24/25 17:11	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 17:11	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 17:11	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 17:11	1

Eurofins Savannah

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Client Sample ID: SCH-AP1-FB-3

Date Collected: 02/19/25 13:42
Date Received: 02/20/25 11:50

Lab Sample ID: 680-262055-20

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.052**	**J**	0.080	0.022	mg/L		02/20/25 16:21	02/24/25 17:11	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 17:11	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 17:11	1
Chromium	**0.0013**	**J**	0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 17:11	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 17:11	1
Iron	<0.012		0.10	0.012	mg/L		02/20/25 16:21	02/24/25 17:11	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 17:11	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 17:11	1
Magnesium	**0.064**	**J**	0.50	0.023	mg/L		02/20/25 16:21	02/24/25 17:11	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 17:11	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 17:11	1
Potassium	<0.044		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 17:11	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 17:11	1
Sodium	<0.20		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 17:11	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 17:11	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		03/03/25 15:25	03/04/25 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 01:42	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/25/25 18:04	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-876918/2
Matrix: Water
Analysis Batch: 876918

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/25/25 10:52	1
Fluoride	<0.040		0.10	0.040	mg/L			02/25/25 10:52	1
Chloride	<0.20		1.0	0.20	mg/L			02/25/25 10:52	1

Lab Sample ID: LCS 680-876918/3
Matrix: Water
Analysis Batch: 876918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.7		mg/L		107	90 - 110
Fluoride	2.00	1.93		mg/L		97	90 - 110
Chloride	10.0	9.93		mg/L		99	90 - 110

Lab Sample ID: LCSD 680-876918/4
Matrix: Water
Analysis Batch: 876918

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
Sulfate	10.0	10.7		mg/L		107	90 - 110	0	15
Fluoride	2.00	1.94		mg/L		97	90 - 110	0	15
Chloride	10.0	9.96		mg/L		100	90 - 110	0	15

Lab Sample ID: 680-262055-5 MS
Matrix: Water
Analysis Batch: 876918

Client Sample ID: SCH-SGWC-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	36	F1	10.0	49.0	E F1	mg/L		128	80 - 120
Fluoride	<0.040		2.00	1.93		mg/L		97	80 - 120
Chloride	9.6		10.0	19.7		mg/L		100	80 - 120

Lab Sample ID: 680-262055-5 MSD
Matrix: Water
Analysis Batch: 876918

Client Sample ID: SCH-SGWC-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	36	F1	10.0	48.7	E F1	mg/L		125	80 - 120	1	15
Fluoride	<0.040		2.00	1.92		mg/L		96	80 - 120	0	15
Chloride	9.6		10.0	19.6		mg/L		100	80 - 120	0	15

Lab Sample ID: MB 680-877074/2
Matrix: Water
Analysis Batch: 877074

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/26/25 11:12	1
Fluoride	<0.040		0.10	0.040	mg/L			02/26/25 11:12	1
Chloride	<0.20		1.0	0.20	mg/L			02/26/25 11:12	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-877074/3
Matrix: Water
Analysis Batch: 877074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	10.4		mg/L		104	90 - 110		
Fluoride			2.00	1.82		mg/L		91	90 - 110		
Chloride			10.0	9.71		mg/L		97	90 - 110		

Lab Sample ID: LCSD 680-877074/4
Matrix: Water
Analysis Batch: 877074

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
Sulfate			10.0	10.2		mg/L		102	90 - 110	1	15
Fluoride			2.00	1.82		mg/L		91	90 - 110	0	15
Chloride			10.0	9.66		mg/L		97	90 - 110	1	15

Lab Sample ID: 680-262034-D-1 MS
Matrix: Water
Analysis Batch: 877074

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		
Sulfate	9.8		10.0	21.6		mg/L		118	80 - 120		

Lab Sample ID: 680-262034-D-1 MSD
Matrix: Water
Analysis Batch: 877074

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
Sulfate	9.8		10.0	21.6		mg/L		118	80 - 120	0	15

Lab Sample ID: MB 680-877077/2
Matrix: Water
Analysis Batch: 877077

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/26/25 11:44	1
Fluoride	<0.040		0.10	0.040	mg/L			02/26/25 11:44	1
Chloride	<0.20		1.0	0.20	mg/L			02/26/25 11:44	1

Lab Sample ID: LCS 680-877077/3
Matrix: Water
Analysis Batch: 877077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	10.8		mg/L		108	90 - 110		
Fluoride			2.00	2.02		mg/L		101	90 - 110		
Chloride			10.0	9.96		mg/L		100	90 - 110		

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 680-877077/4
Matrix: Water
Analysis Batch: 877077

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
Sulfate			10.0	10.8		mg/L		108	90 - 110	1	15
Fluoride			2.00	2.01		mg/L		101	90 - 110	1	15
Chloride			10.0	9.96		mg/L		100	90 - 110	0	15

Lab Sample ID: 680-262055-15 MS
Matrix: Water
Analysis Batch: 877077

Client Sample ID: SCH-AP1-FD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	170	E	10.0	177	E 4	mg/L		109	80 - 120
Fluoride	<0.040	F1 F2	2.00	1.63		mg/L		81	80 - 120
Chloride	17	F1 F2	10.0	24.5	E F1	mg/L		78	80 - 120

Lab Sample ID: 680-262055-15 MSD
Matrix: Water
Analysis Batch: 877077

Client Sample ID: SCH-AP1-FD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	170	E	10.0	169	E 4	mg/L		31	80 - 120	5	15
Fluoride	<0.040	F1 F2	2.00	0.604	F1 F2	mg/L		30	80 - 120	92	15
Chloride	17	F1 F2	10.0	19.5	F1 F2	mg/L		28	80 - 120	23	15

Lab Sample ID: MB 680-877229/2
Matrix: Water
Analysis Batch: 877229

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/27/25 10:15	1
Fluoride	<0.040		0.10	0.040	mg/L			02/27/25 10:15	1
Chloride	<0.20		1.0	0.20	mg/L			02/27/25 10:15	1

Lab Sample ID: LCS 680-877229/3
Matrix: Water
Analysis Batch: 877229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate			10.0	11.0		mg/L		110	90 - 110
Fluoride			2.00	2.05		mg/L		103	90 - 110
Chloride			10.0	9.99		mg/L		100	90 - 110

Lab Sample ID: LCSD 680-877229/4
Matrix: Water
Analysis Batch: 877229

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
Sulfate			10.0	10.9		mg/L		109	90 - 110	0	15
Fluoride			2.00	2.04		mg/L		102	90 - 110	0	15
Chloride			10.0	9.98		mg/L		100	90 - 110	0	15

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-262055-19 MS
Matrix: Water
Analysis Batch: 877229

Client Sample ID: SCH-AP1-FD-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	<0.40	F2	10.0	8.46		mg/L		85	80 - 120
Fluoride	<0.040		2.00	1.65		mg/L		83	80 - 120
Chloride	12		10.0	19.6		mg/L		80	80 - 120

Lab Sample ID: 680-262055-19 MSD
Matrix: Water
Analysis Batch: 877229

Client Sample ID: SCH-AP1-FD-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	<0.40	F2	10.0	10.1	F2	mg/L		101	80 - 120	18	15
Fluoride	<0.040		2.00	1.93		mg/L		96	80 - 120	15	15
Chloride	12		10.0	20.6	E	mg/L		91	80 - 120	5	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-876542/1-A
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/25 16:21	02/24/25 16:31	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/25 16:21	02/24/25 16:31	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/25 16:21	02/24/25 16:31	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/25 16:21	02/24/25 16:31	1
Boron	<0.022		0.080	0.022	mg/L		02/20/25 16:21	02/24/25 16:31	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/25 16:21	02/24/25 16:31	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/25 16:21	02/24/25 16:31	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/25 16:21	02/24/25 16:31	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/25 16:21	02/24/25 16:31	1
Iron	<0.012		0.10	0.012	mg/L		02/20/25 16:21	02/24/25 16:31	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/25 16:21	02/24/25 16:31	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/20/25 16:21	02/24/25 16:31	1
Magnesium	<0.023		0.50	0.023	mg/L		02/20/25 16:21	02/24/25 16:31	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/20/25 16:21	02/24/25 16:31	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/20/25 16:21	02/24/25 16:31	1
Potassium	<0.044		0.50	0.044	mg/L		02/20/25 16:21	02/24/25 16:31	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/25 16:21	02/24/25 16:31	1
Sodium	<0.20		0.50	0.20	mg/L		02/20/25 16:21	02/24/25 16:31	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/25 16:21	02/24/25 16:31	1

Lab Sample ID: LCS 680-876542/2-A
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 876542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0504		mg/L		101	80 - 120
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	0.100	0.103		mg/L		103	80 - 120
Beryllium	0.0500	0.0529		mg/L		106	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-876542/2-A
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 876542

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			0.400	0.407		mg/L		102	80 - 120		
Cadmium			0.0500	0.0532		mg/L		106	80 - 120		
Calcium			5.00	5.40		mg/L		108	80 - 120		
Chromium			0.100	0.112		mg/L		112	80 - 120		
Cobalt			0.0500	0.0492		mg/L		98	80 - 120		
Iron			5.00	5.48		mg/L		110	80 - 120		
Lead			0.500	0.528		mg/L		106	80 - 120		
Lithium			0.500	0.516		mg/L		103	80 - 120		
Magnesium			5.00	4.96		mg/L		99	80 - 120		
Manganese			0.400	0.426		mg/L		107	80 - 120		
Molybdenum			0.100	0.101		mg/L		101	80 - 120		
Potassium			7.00	7.67		mg/L		110	80 - 120		
Selenium			0.100	0.100		mg/L		100	80 - 120		
Sodium			5.00	5.51		mg/L		110	80 - 120		
Thallium			0.0500	0.0534		mg/L		107	80 - 120		

Lab Sample ID: 680-262055-1 MS
Matrix: Water
Analysis Batch: 876876

Client Sample ID: SCH-SGWA-4
Prep Type: Total Recoverable
Prep Batch: 876542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony	<0.00034		0.0500	0.0482		mg/L		96	75 - 125		
Arsenic	<0.00086		0.100	0.0999		mg/L		100	75 - 125		
Barium	0.077		0.100	0.178		mg/L		101	75 - 125		
Beryllium	<0.00020		0.0500	0.0506		mg/L		101	75 - 125		
Boron	0.032	J	0.400	0.415		mg/L		96	75 - 125		
Cadmium	<0.000078		0.0500	0.0511		mg/L		102	75 - 125		
Calcium	21		5.00	26.0	4	mg/L		109	75 - 125		
Chromium	0.0056		0.100	0.108		mg/L		102	75 - 125		
Cobalt	<0.00022		0.0500	0.0465		mg/L		93	75 - 125		
Iron	<12		5.00	5.18		mg/L		104	75 - 125		
Lead	<0.00021		0.500	0.501		mg/L		100	75 - 125		
Lithium	0.0037	J	0.500	0.488		mg/L		97	75 - 125		
Magnesium	7.2		5.00	12.6		mg/L		107	75 - 125		
Manganese	0.15	F1 F2	0.400	0.406	F1	mg/L		64	75 - 125		
Molybdenum	<0.00086		0.100	0.0967		mg/L		97	75 - 125		
Potassium	2.0		7.00	9.43		mg/L		107	75 - 125		
Selenium	<0.00099		0.100	0.0958		mg/L		96	75 - 125		
Sodium	9.2		5.00	14.1		mg/L		97	75 - 125		
Thallium	<0.00026		0.0500	0.0515		mg/L		103	75 - 125		

Lab Sample ID: 680-262055-1 MSD
Matrix: Water
Analysis Batch: 876876

Client Sample ID: SCH-SGWA-4
Prep Type: Total Recoverable
Prep Batch: 876542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0493		mg/L		99	75 - 125	2	20
Arsenic	<0.00086		0.100	0.102		mg/L		102	75 - 125	2	20
Barium	0.077		0.100	0.181		mg/L		105	75 - 125	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-262055-1 MSD
Matrix: Water
Analysis Batch: 876876

Client Sample ID: SCH-SGWA-4
Prep Type: Total Recoverable
Prep Batch: 876542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.00020		0.0500	0.0526		mg/L		105	75 - 125	4	20
Boron	0.032	J	0.400	0.421		mg/L		97	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0530		mg/L		106	75 - 125	4	20
Calcium	21		5.00	27.0	4	mg/L		128	75 - 125	4	20
Chromium	0.0056		0.100	0.110		mg/L		104	75 - 125	2	20
Cobalt	<0.00022		0.0500	0.0475		mg/L		95	75 - 125	2	20
Iron	<12		5.00	5.27		mg/L		105	75 - 125	2	20
Lead	<0.00021		0.500	0.506		mg/L		101	75 - 125	1	20
Lithium	0.0037	J	0.500	0.503		mg/L		100	75 - 125	3	20
Magnesium	7.2		5.00	12.7		mg/L		110	75 - 125	1	20
Manganese	0.15	F1 F2	0.400	0.596	F2	mg/L		112	75 - 125	38	20
Molybdenum	<0.00086		0.100	0.0989		mg/L		99	75 - 125	2	20
Potassium	2.0		7.00	9.77		mg/L		112	75 - 125	4	20
Selenium	<0.00099		0.100	0.102		mg/L		102	75 - 125	7	20
Sodium	9.2		5.00	14.9		mg/L		113	75 - 125	6	20
Thallium	<0.00026		0.0500	0.0526		mg/L		105	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-877599/1-A
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/03/25 15:25	03/04/25 10:36	1

Lab Sample ID: LCS 680-877599/2-A
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877599

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00253		mg/L		101	80 - 120		

Lab Sample ID: 680-262055-4 MS
Matrix: Water
Analysis Batch: 877703

Client Sample ID: SCH-SGWC-9
Prep Type: Total/NA
Prep Batch: 877599

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080		0.00100	0.000924		mg/L		92	80 - 120		

Lab Sample ID: 680-262055-4 MSD
Matrix: Water
Analysis Batch: 877703

Client Sample ID: SCH-SGWC-9
Prep Type: Total/NA
Prep Batch: 877599

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000934		mg/L		93	80 - 120	1	20

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 680-877604/1-A
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/03/25 15:29	03/04/25 09:25	1

Lab Sample ID: LCS 680-877604/2-A
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877604

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00249		mg/L		100	80 - 120		

Lab Sample ID: 680-262055-6 MS
Matrix: Water
Analysis Batch: 877703

Client Sample ID: SCH-SGWC-12
Prep Type: Total/NA
Prep Batch: 877604

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080	F1	0.00100	0.000650	F1	mg/L		65	80 - 120		

Lab Sample ID: 680-262055-6 MSD
Matrix: Water
Analysis Batch: 877703

Client Sample ID: SCH-SGWC-12
Prep Type: Total/NA
Prep Batch: 877604

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080	F1	0.00100	0.000629	F1	mg/L		63	80 - 120	3	20

Lab Sample ID: MB 680-877687/1-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877687

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/04/25 11:27	03/04/25 17:20	1

Lab Sample ID: LCS 680-877687/2-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877687

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00256		mg/L		102	80 - 120		

Lab Sample ID: 400-271485-I-2-D MSD
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 877687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00112		mg/L					

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-876995/4
Matrix: Water
Analysis Batch: 876995

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 to pH 4.5	<2.2		5.0	2.2	mg/L			02/24/25 22:12	1
Bicarbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/24/25 22:12	1
Carbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/24/25 22:12	1

Lab Sample ID: LCS 680-876995/6
Matrix: Water
Analysis Batch: 876995

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 to pH 4.5			250	245		mg/L		98	90 - 112		

Lab Sample ID: LCSD 680-876995/31
Matrix: Water
Analysis Batch: 876995

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 to pH 4.5			250	248		mg/L		99	90 - 112	1	30

Lab Sample ID: 680-262055-5 DU
Matrix: Water
Analysis Batch: 876995

Client Sample ID: SCH-SGWC-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	38			16.2	F3	mg/L				81	30
Bicarbonate Alkalinity as CaCO3	38			16.2	F3	mg/L				81	30
Carbonate Alkalinity as CaCO3	<2.2			<2.2		mg/L				NC	30

Lab Sample ID: 680-262055-6 DU
Matrix: Water
Analysis Batch: 876995

Client Sample ID: SCH-SGWC-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	67			64.2		mg/L				4	30
Bicarbonate Alkalinity as CaCO3	67			64.2		mg/L				4	30
Carbonate Alkalinity as CaCO3	<2.2			<2.2		mg/L				NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-876844/1
Matrix: Water
Analysis Batch: 876844

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			02/24/25 17:56	1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCS 680-876844/2
Matrix: Water
Analysis Batch: 876844

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 680-876844/3
Matrix: Water
Analysis Batch: 876844

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	2390		mg/L		98	80 - 120	0	25

Lab Sample ID: 680-262055-4 DU
Matrix: Water
Analysis Batch: 876844

Client Sample ID: SCH-SGWC-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	310		318		mg/L		1	5

Lab Sample ID: 680-262055-10 DU
Matrix: Water
Analysis Batch: 876844

Client Sample ID: SCH-SGWC-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	520		518		mg/L		1	5

Lab Sample ID: MB 680-877013/1
Matrix: Water
Analysis Batch: 877013

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			02/25/25 18:04	1

Lab Sample ID: LCS 680-877013/2
Matrix: Water
Analysis Batch: 877013

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	2440		mg/L		100	80 - 120

Lab Sample ID: LCSD 680-877013/3
Matrix: Water
Analysis Batch: 877013

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: 680-262055-15 DU
Matrix: Water
Analysis Batch: 877013

Client Sample ID: SCH-AP1-FD-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	320		316		mg/L		0	5

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-876994/1-A
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Lab Sample ID: LCS 680-876994/2-A
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	208	112		mg/L		54	50 - 150

Lab Sample ID: LCSD 680-876994/3-A
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	208	112		mg/L		54	50 - 150	1	50

Lab Sample ID: 680-262055-13 MS
Matrix: Water
Analysis Batch: 877009

Client Sample ID: SCH-PZ-13S
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<10	F1 F2	208	51.3	F1	mg/L		25	50 - 150

Lab Sample ID: 680-262055-13 MSD
Matrix: Water
Analysis Batch: 877009

Client Sample ID: SCH-PZ-13S
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<10	F1 F2	208	123	F2	mg/L		59	50 - 150	82	50

Lab Sample ID: 680-262055-5 DU
Matrix: Water
Analysis Batch: 877009

Client Sample ID: SCH-SGWC-10
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	<10		<10		mg/L		NC	50

HPLC/IC

Analysis Batch: 876918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total/NA	Water	300.0-1993 R2.1	
680-262055-2	SCH-SGWC-7	Total/NA	Water	300.0-1993 R2.1	
680-262055-3	SCH-SGWC-8	Total/NA	Water	300.0-1993 R2.1	
680-262055-4	SCH-SGWC-9	Total/NA	Water	300.0-1993 R2.1	
680-262055-5	SCH-SGWC-10	Total/NA	Water	300.0-1993 R2.1	
680-262055-6	SCH-SGWC-12	Total/NA	Water	300.0-1993 R2.1	
680-262055-7	SCH-SGWC-13	Total/NA	Water	300.0-1993 R2.1	
680-262055-8	SCH-SGWC-14	Total/NA	Water	300.0-1993 R2.1	
680-262055-9	SCH-SGWC-16	Total/NA	Water	300.0-1993 R2.1	
680-262055-10	SCH-SGWC-17	Total/NA	Water	300.0-1993 R2.1	
680-262055-11	SCH-SGWA-24	Total/NA	Water	300.0-1993 R2.1	
680-262055-12	SCH-SGWA-25	Total/NA	Water	300.0-1993 R2.1	
680-262055-13	SCH-PZ-13S	Total/NA	Water	300.0-1993 R2.1	
680-262055-14	SCH-PZ-14S	Total/NA	Water	300.0-1993 R2.1	
MB 680-876918/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-876918/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-876918/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262055-5 MS	SCH-SGWC-10	Total/NA	Water	300.0-1993 R2.1	
680-262055-5 MSD	SCH-SGWC-10	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 877074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-6	SCH-SGWC-12	Total/NA	Water	300.0-1993 R2.1	
MB 680-877074/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877074/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877074/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262034-D-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-262034-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 877077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	300.0-1993 R2.1	
680-262055-16	SCH-AP1-FB-1	Total/NA	Water	300.0-1993 R2.1	
680-262055-17	SCH-AP1-FD-2	Total/NA	Water	300.0-1993 R2.1	
680-262055-18	SCH-AP1-EB-2	Total/NA	Water	300.0-1993 R2.1	
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	300.0-1993 R2.1	
MB 680-877077/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877077/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877077/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262055-15 MS	SCH-AP1-FD-1	Total/NA	Water	300.0-1993 R2.1	
680-262055-15 MSD	SCH-AP1-FD-1	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 877229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	300.0-1993 R2.1	
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	300.0-1993 R2.1	
MB 680-877229/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877229/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877229/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262055-19 MS	SCH-AP1-FD-3	Total/NA	Water	300.0-1993 R2.1	
680-262055-19 MSD	SCH-AP1-FD-3	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 876542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total Recoverable	Water	3005A	
680-262055-2	SCH-SGWC-7	Total Recoverable	Water	3005A	
680-262055-3	SCH-SGWC-8	Total Recoverable	Water	3005A	
680-262055-4	SCH-SGWC-9	Total Recoverable	Water	3005A	
680-262055-5	SCH-SGWC-10	Total Recoverable	Water	3005A	
680-262055-6	SCH-SGWC-12	Total Recoverable	Water	3005A	
680-262055-7	SCH-SGWC-13	Total Recoverable	Water	3005A	
680-262055-8	SCH-SGWC-14	Total Recoverable	Water	3005A	
680-262055-9	SCH-SGWC-16	Total Recoverable	Water	3005A	
680-262055-10	SCH-SGWC-17	Total Recoverable	Water	3005A	
680-262055-11	SCH-SGWA-24	Total Recoverable	Water	3005A	
680-262055-12	SCH-SGWA-25	Total Recoverable	Water	3005A	
680-262055-13	SCH-PZ-13S	Total Recoverable	Water	3005A	
680-262055-14	SCH-PZ-14S	Total Recoverable	Water	3005A	
680-262055-15	SCH-AP1-FD-1	Total Recoverable	Water	3005A	
680-262055-16	SCH-AP1-FB-1	Total Recoverable	Water	3005A	
680-262055-17	SCH-AP1-FD-2	Total Recoverable	Water	3005A	
680-262055-18	SCH-AP1-EB-2	Total Recoverable	Water	3005A	
680-262055-19	SCH-AP1-FD-3	Total Recoverable	Water	3005A	
680-262055-20	SCH-AP1-FB-3	Total Recoverable	Water	3005A	
MB 680-876542/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-876542/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-262055-1 MS	SCH-SGWA-4	Total Recoverable	Water	3005A	
680-262055-1 MSD	SCH-SGWA-4	Total Recoverable	Water	3005A	

Analysis Batch: 876876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total Recoverable	Water	6020B	876542
680-262055-2	SCH-SGWC-7	Total Recoverable	Water	6020B	876542
680-262055-3	SCH-SGWC-8	Total Recoverable	Water	6020B	876542
680-262055-4	SCH-SGWC-9	Total Recoverable	Water	6020B	876542
680-262055-5	SCH-SGWC-10	Total Recoverable	Water	6020B	876542
680-262055-6	SCH-SGWC-12	Total Recoverable	Water	6020B	876542
680-262055-7	SCH-SGWC-13	Total Recoverable	Water	6020B	876542
680-262055-8	SCH-SGWC-14	Total Recoverable	Water	6020B	876542
680-262055-9	SCH-SGWC-16	Total Recoverable	Water	6020B	876542
680-262055-10	SCH-SGWC-17	Total Recoverable	Water	6020B	876542
680-262055-11	SCH-SGWA-24	Total Recoverable	Water	6020B	876542
680-262055-12	SCH-SGWA-25	Total Recoverable	Water	6020B	876542
680-262055-13	SCH-PZ-13S	Total Recoverable	Water	6020B	876542
680-262055-14	SCH-PZ-14S	Total Recoverable	Water	6020B	876542
680-262055-15	SCH-AP1-FD-1	Total Recoverable	Water	6020B	876542
680-262055-16	SCH-AP1-FB-1	Total Recoverable	Water	6020B	876542
680-262055-17	SCH-AP1-FD-2	Total Recoverable	Water	6020B	876542
680-262055-18	SCH-AP1-EB-2	Total Recoverable	Water	6020B	876542
680-262055-19	SCH-AP1-FD-3	Total Recoverable	Water	6020B	876542
680-262055-20	SCH-AP1-FB-3	Total Recoverable	Water	6020B	876542
MB 680-876542/1-A	Method Blank	Total Recoverable	Water	6020B	876542
LCS 680-876542/2-A	Lab Control Sample	Total Recoverable	Water	6020B	876542
680-262055-1 MS	SCH-SGWA-4	Total Recoverable	Water	6020B	876542
680-262055-1 MSD	SCH-SGWA-4	Total Recoverable	Water	6020B	876542

Metals

Prep Batch: 877599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-3	SCH-SGWC-8	Total/NA	Water	7470A	
680-262055-4	SCH-SGWC-9	Total/NA	Water	7470A	
680-262055-5	SCH-SGWC-10	Total/NA	Water	7470A	
680-262055-7	SCH-SGWC-13	Total/NA	Water	7470A	
680-262055-8	SCH-SGWC-14	Total/NA	Water	7470A	
680-262055-9	SCH-SGWC-16	Total/NA	Water	7470A	
680-262055-10	SCH-SGWC-17	Total/NA	Water	7470A	
680-262055-11	SCH-SGWA-24	Total/NA	Water	7470A	
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	7470A	
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	7470A	
MB 680-877599/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877599/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262055-4 MS	SCH-SGWC-9	Total/NA	Water	7470A	
680-262055-4 MSD	SCH-SGWC-9	Total/NA	Water	7470A	

Prep Batch: 877604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-6	SCH-SGWC-12	Total/NA	Water	7470A	
680-262055-12	SCH-SGWA-25	Total/NA	Water	7470A	
680-262055-13	SCH-PZ-13S	Total/NA	Water	7470A	
680-262055-16	SCH-AP1-FB-1	Total/NA	Water	7470A	
680-262055-17	SCH-AP1-FD-2	Total/NA	Water	7470A	
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	7470A	
MB 680-877604/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877604/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262055-6 MS	SCH-SGWC-12	Total/NA	Water	7470A	
680-262055-6 MSD	SCH-SGWC-12	Total/NA	Water	7470A	

Prep Batch: 877687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total/NA	Water	7470A	
680-262055-2	SCH-SGWC-7	Total/NA	Water	7470A	
680-262055-14	SCH-PZ-14S	Total/NA	Water	7470A	
680-262055-18	SCH-AP1-EB-2	Total/NA	Water	7470A	
MB 680-877687/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877687/2-A	Lab Control Sample	Total/NA	Water	7470A	
400-271485-I-2-C MS	Matrix Spike	Total/NA	Water	7470A	
400-271485-I-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 877703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-3	SCH-SGWC-8	Total/NA	Water	7470A	877599
680-262055-4	SCH-SGWC-9	Total/NA	Water	7470A	877599
680-262055-5	SCH-SGWC-10	Total/NA	Water	7470A	877599
680-262055-6	SCH-SGWC-12	Total/NA	Water	7470A	877604
680-262055-7	SCH-SGWC-13	Total/NA	Water	7470A	877599
680-262055-8	SCH-SGWC-14	Total/NA	Water	7470A	877599
680-262055-9	SCH-SGWC-16	Total/NA	Water	7470A	877599
680-262055-10	SCH-SGWC-17	Total/NA	Water	7470A	877599
680-262055-11	SCH-SGWA-24	Total/NA	Water	7470A	877599
680-262055-12	SCH-SGWA-25	Total/NA	Water	7470A	877604

Metals (Continued)

Analysis Batch: 877703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-13	SCH-PZ-13S	Total/NA	Water	7470A	877604
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	7470A	877599
680-262055-16	SCH-AP1-FB-1	Total/NA	Water	7470A	877604
680-262055-17	SCH-AP1-FD-2	Total/NA	Water	7470A	877604
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	7470A	877604
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	7470A	877599
MB 680-877599/1-A	Method Blank	Total/NA	Water	7470A	877599
MB 680-877604/1-A	Method Blank	Total/NA	Water	7470A	877604
LCS 680-877599/2-A	Lab Control Sample	Total/NA	Water	7470A	877599
LCS 680-877604/2-A	Lab Control Sample	Total/NA	Water	7470A	877604
680-262055-4 MS	SCH-SGWC-9	Total/NA	Water	7470A	877599
680-262055-4 MSD	SCH-SGWC-9	Total/NA	Water	7470A	877599
680-262055-6 MS	SCH-SGWC-12	Total/NA	Water	7470A	877604
680-262055-6 MSD	SCH-SGWC-12	Total/NA	Water	7470A	877604

Analysis Batch: 877813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total/NA	Water	7470A	877687
680-262055-2	SCH-SGWC-7	Total/NA	Water	7470A	877687
680-262055-14	SCH-PZ-14S	Total/NA	Water	7470A	877687
680-262055-18	SCH-AP1-EB-2	Total/NA	Water	7470A	877687
MB 680-877687/1-A	Method Blank	Total/NA	Water	7470A	877687
LCS 680-877687/2-A	Lab Control Sample	Total/NA	Water	7470A	877687
400-271485-I-2-C MS	Matrix Spike	Total/NA	Water	7470A	877687
400-271485-I-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	877687

General Chemistry

Analysis Batch: 876844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total/NA	Water	2540C-2011	
680-262055-2	SCH-SGWC-7	Total/NA	Water	2540C-2011	
680-262055-3	SCH-SGWC-8	Total/NA	Water	2540C-2011	
680-262055-4	SCH-SGWC-9	Total/NA	Water	2540C-2011	
680-262055-5	SCH-SGWC-10	Total/NA	Water	2540C-2011	
680-262055-6	SCH-SGWC-12	Total/NA	Water	2540C-2011	
680-262055-7	SCH-SGWC-13	Total/NA	Water	2540C-2011	
680-262055-8	SCH-SGWC-14	Total/NA	Water	2540C-2011	
680-262055-9	SCH-SGWC-16	Total/NA	Water	2540C-2011	
680-262055-10	SCH-SGWC-17	Total/NA	Water	2540C-2011	
MB 680-876844/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-876844/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-876844/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-262055-4 DU	SCH-SGWC-9	Total/NA	Water	2540C-2011	
680-262055-10 DU	SCH-SGWC-17	Total/NA	Water	2540C-2011	

Prep Batch: 876994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-5	SCH-SGWC-10	Total/NA	Water	9030B	
680-262055-13	SCH-PZ-13S	Total/NA	Water	9030B	
680-262055-14	SCH-PZ-14S	Total/NA	Water	9030B	

General Chemistry (Continued)

Prep Batch: 876994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	9030B	
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	9030B	
MB 680-876994/1-A	Method Blank	Total/NA	Water	9030B	
LCS 680-876994/2-A	Lab Control Sample	Total/NA	Water	9030B	
LCSD 680-876994/3-A	Lab Control Sample Dup	Total/NA	Water	9030B	
680-262055-13 MS	SCH-PZ-13S	Total/NA	Water	9030B	
680-262055-13 MSD	SCH-PZ-13S	Total/NA	Water	9030B	
680-262055-5 DU	SCH-SGWC-10	Total/NA	Water	9030B	

Analysis Batch: 876995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total/NA	Water	2320B-2011	
680-262055-2	SCH-SGWC-7	Total/NA	Water	2320B-2011	
680-262055-3	SCH-SGWC-8	Total/NA	Water	2320B-2011	
680-262055-4	SCH-SGWC-9	Total/NA	Water	2320B-2011	
680-262055-5	SCH-SGWC-10	Total/NA	Water	2320B-2011	
680-262055-6	SCH-SGWC-12	Total/NA	Water	2320B-2011	
680-262055-7	SCH-SGWC-13	Total/NA	Water	2320B-2011	
680-262055-8	SCH-SGWC-14	Total/NA	Water	2320B-2011	
680-262055-9	SCH-SGWC-16	Total/NA	Water	2320B-2011	
680-262055-10	SCH-SGWC-17	Total/NA	Water	2320B-2011	
680-262055-11	SCH-SGWA-24	Total/NA	Water	2320B-2011	
680-262055-12	SCH-SGWA-25	Total/NA	Water	2320B-2011	
680-262055-13	SCH-PZ-13S	Total/NA	Water	2320B-2011	
680-262055-14	SCH-PZ-14S	Total/NA	Water	2320B-2011	
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	2320B-2011	
680-262055-16	SCH-AP1-FB-1	Total/NA	Water	2320B-2011	
680-262055-17	SCH-AP1-FD-2	Total/NA	Water	2320B-2011	
680-262055-18	SCH-AP1-EB-2	Total/NA	Water	2320B-2011	
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	2320B-2011	
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	2320B-2011	
MB 680-876995/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-876995/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-876995/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-262055-5 DU	SCH-SGWC-10	Total/NA	Water	2320B-2011	
680-262055-6 DU	SCH-SGWC-12	Total/NA	Water	2320B-2011	

Analysis Batch: 877009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-5	SCH-SGWC-10	Total/NA	Water	9034	876994
680-262055-13	SCH-PZ-13S	Total/NA	Water	9034	876994
680-262055-14	SCH-PZ-14S	Total/NA	Water	9034	876994
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	9034	876994
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	9034	876994
MB 680-876994/1-A	Method Blank	Total/NA	Water	9034	876994
LCS 680-876994/2-A	Lab Control Sample	Total/NA	Water	9034	876994
LCSD 680-876994/3-A	Lab Control Sample Dup	Total/NA	Water	9034	876994
680-262055-13 MS	SCH-PZ-13S	Total/NA	Water	9034	876994
680-262055-13 MSD	SCH-PZ-13S	Total/NA	Water	9034	876994
680-262055-5 DU	SCH-SGWC-10	Total/NA	Water	9034	876994

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

General Chemistry

Analysis Batch: 877013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-11	SCH-SGWA-24	Total/NA	Water	2540C-2011	
680-262055-12	SCH-SGWA-25	Total/NA	Water	2540C-2011	
680-262055-13	SCH-PZ-13S	Total/NA	Water	2540C-2011	
680-262055-14	SCH-PZ-14S	Total/NA	Water	2540C-2011	
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	2540C-2011	
680-262055-16	SCH-AP1-FB-1	Total/NA	Water	2540C-2011	
680-262055-17	SCH-AP1-FD-2	Total/NA	Water	2540C-2011	
680-262055-18	SCH-AP1-EB-2	Total/NA	Water	2540C-2011	
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	2540C-2011	
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	2540C-2011	
MB 680-877013/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-877013/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-877013/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-262055-15 DU	SCH-AP1-FD-1	Total/NA	Water	2540C-2011	

Client Sample ID: SCH-SGWA-4

Lab Sample ID: 680-262055-1

Date Collected: 02/19/25 13:02

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 15:27	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:35	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877687	03/04/25 11:27	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/04/25 18:13	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 23:13	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-7

Lab Sample ID: 680-262055-2

Date Collected: 02/19/25 11:54

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 15:37	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:57	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877687	03/04/25 11:27	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/04/25 18:04	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 22:55	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-8

Lab Sample ID: 680-262055-3

Date Collected: 02/19/25 13:24

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 15:47	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:59	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 10:48	BJB	EET SAV
	Instrument ID: QuickTrace3									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Client Sample ID: SCH-SGWC-8

Lab Sample ID: 680-262055-3

Date Collected: 02/19/25 13:24

Matrix: Water

Date Received: 02/20/25 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 23:23	PG	EET SAV
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-9

Lab Sample ID: 680-262055-4

Date Collected: 02/19/25 10:10

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 15:57	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 10:41	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 23:04	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-10

Lab Sample ID: 680-262055-5

Date Collected: 02/19/25 14:45

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 16:26	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:03	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 11:02	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 22:37	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWC-12

Lab Sample ID: 680-262055-6

Date Collected: 02/19/25 15:21

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 16:55	AF	EET SAV
	Instrument ID: CICP									
Total/NA	Analysis	300.0-1993 R2.1		2	2 mL	2 mL	877074	02/26/25 15:46	BS	EET SAV
	Instrument ID: CICR									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:43	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877604	03/03/25 15:29	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 09:30	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 00:32	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-13

Lab Sample ID: 680-262055-7

Date Collected: 02/19/25 15:35

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 17:05	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 10:50	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 00:49	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-14

Lab Sample ID: 680-262055-8

Date Collected: 02/19/25 10:24

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 17:15	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:09	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Client Sample ID: SCH-SGWC-14

Lab Sample ID: 680-262055-8

Date Collected: 02/19/25 10:24

Matrix: Water

Date Received: 02/20/25 11:50

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	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 11:40	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 00:02	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-16

Lab Sample ID: 680-262055-9

Date Collected: 02/19/25 15:50

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 17:25	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:41	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 11:35	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 23:29	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-17

Lab Sample ID: 680-262055-10

Date Collected: 02/19/25 13:18

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 17:34	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:21	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 10:55	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 00:58	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	876844	02/24/25 17:56	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWA-24

Lab Sample ID: 680-262055-11

Date Collected: 02/19/25 12:28

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 17:44	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:01	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 11:21	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 01:07	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWA-25

Lab Sample ID: 680-262055-12

Date Collected: 02/19/25 14:24

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 17:54	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:55	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877604	03/03/25 15:29	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 09:49	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 23:47	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-13S

Lab Sample ID: 680-262055-13

Date Collected: 02/19/25 12:04

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 18:04	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:47	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877604	03/03/25 15:29	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 09:46	BJB	EET SAV
	Instrument ID: QuickTrace3									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

Client Sample ID: SCH-PZ-13S

Lab Sample ID: 680-262055-13

Date Collected: 02/19/25 12:04

Matrix: Water

Date Received: 02/20/25 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 23:55	PG	EET SAV
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-PZ-14S

Lab Sample ID: 680-262055-14

Date Collected: 02/19/25 13:52

Matrix: Water

Date Received: 02/20/25 11:50

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	876918	02/25/25 18:14	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877687	03/04/25 11:27	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/04/25 18:02	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/24/25 23:38	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-AP1-FD-1

Lab Sample ID: 680-262055-15

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

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	877077	02/26/25 17:45	BS	EET SAV
	Instrument ID: CICP									
Total/NA	Analysis	300.0-1993 R2.1		10	5 mL	5 mL	877229	02/27/25 17:57	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 10:53	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 01:16	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: SCH-AP1-FD-1

Lab Sample ID: 680-262055-15

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

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	50 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV

Client Sample ID: SCH-AP1-FB-1

Lab Sample ID: 680-262055-16

Date Collected: 02/19/25 14:28

Matrix: Water

Date Received: 02/20/25 11:50

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	877077	02/26/25 18:15	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:49	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877604	03/03/25 15:29	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 09:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 01:36	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FD-2

Lab Sample ID: 680-262055-17

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

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	877077	02/26/25 18:25	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:19	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877604	03/03/25 15:29	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 09:42	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 01:30	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-EB-2

Lab Sample ID: 680-262055-18

Date Collected: 02/19/25 16:48

Matrix: Water

Date Received: 02/20/25 11:50

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	877077	02/26/25 18:35	BS	EET SAV
	Instrument ID: CICP									

Client Sample ID: SCH-AP1-EB-2

Lab Sample ID: 680-262055-18

Date Collected: 02/19/25 16:48

Matrix: Water

Date Received: 02/20/25 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:45	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877687	03/04/25 11:27	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/04/25 18:06	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 01:21	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FD-3

Lab Sample ID: 680-262055-19

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

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	877229	02/27/25 17:28	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:13	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877604	03/03/25 15:29	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 09:44	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 01:50	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-AP1-FB-3

Lab Sample ID: 680-262055-20

Date Collected: 02/19/25 13:42

Matrix: Water

Date Received: 02/20/25 11:50

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	877077	02/26/25 18:54	BS	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876542	02/20/25 16:21	BCB	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 17:11	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877599	03/03/25 15:25	MG	EET SAV
Total/NA	Analysis	7470A		1			877703	03/04/25 11:38	BJB	EET SAV
	Instrument ID: QuickTrace3									

Lab Chronicle

Client: Southern Company
Job ID: 680-262055-1
Project/Site: CCR - Plant Scherer Ash Pond

Client Sample ID: SCH-AP1-FB-3
Lab Sample ID: 680-262055-20
Date Collected: 02/19/25 13:42
Matrix: Water
Date Received: 02/20/25 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1			876995	02/25/25 01:42	PG	EET SAV
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877013	02/25/25 18:04	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	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: 680-262055-1
Project/Site: CCR - Plant Scherer 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: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-1

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
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	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 Phone (912) 352-0165

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 2
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 - Sulfide	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	6020B - Fe				Total Number of containers	
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D					
SCH-SGWA-4	2/19/25	13:02	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-7	2/19/25	11:54	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-8	2/19/25	13:24	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-9	2/19/25	10:10	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-10	2/19/25	14:45	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				10	Extra Rads
SCH-SGWC-12	2/19/25	15:21	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-13	2/19/25	15:35	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-14	2/19/25	10:24	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-16	2/19/25	15:50	G	WG	N	N	X	X	X	X		X	X	X	X					8	Extra Rads
SCH-SGWC-17	2/19/25	13:18	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWA-24	2/19/25	12:28	G	WG	N	N	X	X	X	X		X	X	X	X					6	

680-262055 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	[signature]	2/20/25 945	WSP	Miranda Lucas	2/20/25 8:45	ET Now
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 2/20/25 1150	Company Eurofins

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.1/1.1 2.2/2.2 1.7/1.7 1.6/1.6 2.3/2.3

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

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Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 2 of 2
Company: Southern Company		Analysis Requested		Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
City: Atlanta	TAT Requested (business days): 2 weeks			Other:
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			Task_Code: SCH-CCR-ASSMT-2025S1
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			Special Instructions/Notes:
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 - Sulfide	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	6020B - Fe				Total Number of containers
			Preservation Code:		X	X	N	N	D	D	CB	N	D	D	D	D				
SCH-SGWA-25	2/19/25	14:24	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-PZ-13S	2/19/25	12:04	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-PZ-14S	2/19/25	13:52	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-AP1-FD-1	2/19/25	-	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FB-1	2/19/25	14:28	G	WQ	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FD-2	2/19/25	-	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-EB-2	2/19/25	16:48	G	WQ	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FD-3	2/19/25	-	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-AP1-FB-3	2/19/25	13:42	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8

Possible Hazard Identification
X 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 X 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: Dawn Prell	2/20/25 0845	WSP	Received by: Miranda Lucyar	2/20/25 8:45	Company ESNW
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/20/25 1150	Company Eurofins

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9/1.9

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262055-1

Login Number: 262055

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	

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: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 3/26/2025 3:03:23 PM

JOB DESCRIPTION

CCR - Plant Scherer Ash Pond

JOB NUMBER

680-262055-2

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

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 Southeast, LLC Project Manager.

Authorization



Generated
3/26/2025 3:03:23 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-262055-2
Project/Site: CCR - Plant Scherer 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: 680-262055-2
Project/Site: CCR - Plant Scherer Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262055-1	SCH-SGWA-4	Water	02/19/25 13:02	02/20/25 11:50
680-262055-2	SCH-SGWC-7	Water	02/19/25 11:54	02/20/25 11:50
680-262055-3	SCH-SGWC-8	Water	02/19/25 13:24	02/20/25 11:50
680-262055-4	SCH-SGWC-9	Water	02/19/25 10:10	02/20/25 11:50
680-262055-5	SCH-SGWC-10	Water	02/19/25 14:45	02/20/25 11:50
680-262055-6	SCH-SGWC-12	Water	02/19/25 15:21	02/20/25 11:50
680-262055-7	SCH-SGWC-13	Water	02/19/25 15:35	02/20/25 11:50
680-262055-8	SCH-SGWC-14	Water	02/19/25 10:24	02/20/25 11:50
680-262055-9	SCH-SGWC-16	Water	02/19/25 15:50	02/20/25 11:50
680-262055-10	SCH-SGWC-17	Water	02/19/25 13:18	02/20/25 11:50
680-262055-11	SCH-SGWA-24	Water	02/19/25 12:28	02/20/25 11:50
680-262055-12	SCH-SGWA-25	Water	02/19/25 14:24	02/20/25 11:50
680-262055-13	SCH-PZ-13S	Water	02/19/25 12:04	02/20/25 11:50
680-262055-14	SCH-PZ-14S	Water	02/19/25 13:52	02/20/25 11:50
680-262055-15	SCH-AP1-FD-1	Water	02/19/25 00:00	02/20/25 11:50
680-262055-16	SCH-AP1-FB-1	Water	02/19/25 14:28	02/20/25 11:50
680-262055-17	SCH-AP1-FD-2	Water	02/19/25 00:00	02/20/25 11:50
680-262055-18	SCH-AP1-EB-2	Water	02/19/25 16:48	02/20/25 11:50
680-262055-19	SCH-AP1-FD-3	Water	02/19/25 00:00	02/20/25 11:50
680-262055-20	SCH-AP1-FB-3	Water	02/19/25 13:42	02/20/25 11:50

Job ID: 680-262055-2 — Eurofins Savannah

Job Narrative
680-262055-2

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.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 2/20/2025 11:50 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 1.1°C, 1.6°C, 1.7°C, 1.9°C, 2.2°C and 2.3°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: SCH-SGWA-4

Lab Sample ID: 680-262055-1

Date Collected: 02/19/25 13:02

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000	U	0.0640	0.0640	1.00	0.134	pCi/L	02/27/25 07:39	03/23/25 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:51*	*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	0.501	U	0.354	0.357	1.00	0.537	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*87.1*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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	0.501	U	0.360	0.363	5.00	0.537	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-7

Lab Sample ID: 680-262055-2

Date Collected: 02/19/25 11:54

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0173	U	0.0748	0.0748	1.00	0.144	pCi/L	02/27/25 07:39	03/23/25 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:51*	*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	0.459	U	0.340	0.343	1.00	0.519	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.5*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*84.1*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*

Client Sample ID: SCH-SGWC-7

Lab Sample ID: 680-262055-2

Date Collected: 02/19/25 11:54

Matrix: Water

Date Received: 02/20/25 11:50

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	0.477	U	0.348	0.351	5.00	0.519	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-8

Lab Sample ID: 680-262055-3

Date Collected: 02/19/25 13:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.309**		0.144	0.146	1.00	0.183	pCi/L	02/27/25 07:39	03/23/25 12:51	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:51*	*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	**0.798**		0.348	0.355	1.00	0.453	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*89.0*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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**		0.377	0.384	5.00	0.453	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-9

Lab Sample ID: 680-262055-4

Date Collected: 02/19/25 10:10

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0390	U	0.0902	0.0903	1.00	0.162	pCi/L	02/27/25 07:39	03/23/25 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:47*	*1*

Client Sample ID: SCH-SGWC-9

Lab Sample ID: 680-262055-4

Date Collected: 02/19/25 10:10

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0929	U	0.244	0.244	1.00	0.435	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.2*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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	0.132	U	0.260	0.260	5.00	0.435	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-10

Lab Sample ID: 680-262055-5

Date Collected: 02/19/25 14:45

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00925	U	0.0798	0.0798	1.00	0.155	pCi/L	02/27/25 07:39	03/23/25 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:47*	*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	**0.783**		0.378	0.384	1.00	0.521	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*86.4*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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	**0.792**		0.386	0.392	5.00	0.521	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-12

Lab Sample ID: 680-262055-6

Date Collected: 02/19/25 15:21

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00279	U	0.0730	0.0730	1.00	0.149	pCi/L	02/27/25 07:39	03/23/25 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:47*	*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	-0.321	U	0.237	0.239	1.00	0.537	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*96.1*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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	-0.324	U	0.248	0.250	5.00	0.537	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-13

Lab Sample ID: 680-262055-7

Date Collected: 02/19/25 15:35

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0223	U	0.0748	0.0748	1.00	0.141	pCi/L	02/27/25 07:39	03/23/25 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:47*	*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	0.0394	U	0.260	0.260	1.00	0.480	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.0*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*87.5*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*

Client Sample ID: SCH-SGWC-13

Lab Sample ID: 680-262055-7

Date Collected: 02/19/25 15:35

Matrix: Water

Date Received: 02/20/25 11:50

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	0.0616	U	0.271	0.271	5.00	0.480	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-14

Lab Sample ID: 680-262055-8

Date Collected: 02/19/25 10:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0112	U	0.0677	0.0677	1.00	0.134	pCi/L	02/27/25 07:39	03/23/25 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:47*	*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	0.0665	U	0.273	0.273	1.00	0.496	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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	0.0778	U	0.281	0.281	5.00	0.496	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-16

Lab Sample ID: 680-262055-9

Date Collected: 02/19/25 15:50

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0595	U	0.0778	0.0780	1.00	0.130	pCi/L	02/27/25 07:39	03/23/25 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.4*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:47*	*1*

Client Sample ID: SCH-SGWC-16

Lab Sample ID: 680-262055-9

Date Collected: 02/19/25 15:50

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0397	U	0.282	0.282	1.00	0.513	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.4*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*88.6*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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	0.0992	U	0.293	0.293	5.00	0.513	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWC-17

Lab Sample ID: 680-262055-10

Date Collected: 02/19/25 13:18

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0896	U	0.102	0.102	1.00	0.166	pCi/L	02/27/25 07:39	03/23/25 12:47	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:47*	*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	0.0829	U	0.240	0.240	1.00	0.431	pCi/L	02/27/25 07:46	03/19/25 12:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*1*
Y Carrier	*89.3*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:12*	*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	0.173	U	0.261	0.261	5.00	0.431	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWA-24

Lab Sample ID: 680-262055-11

Date Collected: 02/19/25 12:28

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0295	U	0.0742	0.0742	1.00	0.137	pCi/L	02/27/25 07:39	03/23/25 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:48*	*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	-0.116	U	0.306	0.306	1.00	0.591	pCi/L	02/27/25 07:46	03/19/25 12:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*99.0*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:13*	*1*
Y Carrier	*85.2*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:13*	*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	-0.0866	U	0.315	0.315	5.00	0.591	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-SGWA-25

Lab Sample ID: 680-262055-12

Date Collected: 02/19/25 14:24

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.116	U	0.0989	0.0995	1.00	0.148	pCi/L	02/27/25 07:39	03/23/25 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.1*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:48*	*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	0.450	U	0.355	0.357	1.00	0.551	pCi/L	02/27/25 07:46	03/19/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.1*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:08*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:08*	*1*

Client Sample ID: SCH-SGWA-25

Lab Sample ID: 680-262055-12

Date Collected: 02/19/25 14:24

Matrix: Water

Date Received: 02/20/25 11:50

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	0.566		0.369	0.371	5.00	0.551	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-PZ-13S

Lab Sample ID: 680-262055-13

Date Collected: 02/19/25 12:04

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0118	U	0.0647	0.0647	1.00	0.130	pCi/L	02/27/25 07:39	03/23/25 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:48*	*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	0.112	U	0.315	0.315	1.00	0.555	pCi/L	02/27/25 07:46	03/19/25 12:08	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.5*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:08*	*1*
Y Carrier	*86.4*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:08*	*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	0.124	U	0.322	0.322	5.00	0.555	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-PZ-14S

Lab Sample ID: 680-262055-14

Date Collected: 02/19/25 13:52

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0634	U	0.0767	0.0769	1.00	0.126	pCi/L	02/27/25 07:39	03/23/25 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:48*	*1*

Client Sample ID: SCH-PZ-14S

Lab Sample ID: 680-262055-14

Date Collected: 02/19/25 13:52

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.307	U	0.303	0.305	1.00	0.487	pCi/L	02/27/25 07:46	03/19/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.7*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:09*	*1*
Y Carrier	*86.0*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:09*	*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	0.371	U	0.313	0.315	5.00	0.487	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-AP1-FD-1

Lab Sample ID: 680-262055-15

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0842	U	0.0756	0.0760	1.00	0.112	pCi/L	02/27/25 07:39	03/23/25 12:48	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.4*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:48*	*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	0.279	U	0.309	0.310	1.00	0.505	pCi/L	02/27/25 07:46	03/19/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.4*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:09*	*1*
Y Carrier	*89.0*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:09*	*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	0.363	U	0.318	0.319	5.00	0.505	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-AP1-FB-1

Lab Sample ID: 680-262055-16

Date Collected: 02/19/25 14:28

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0475	U	0.0705	0.0706	1.00	0.121	pCi/L	02/27/25 07:39	03/23/25 12:49	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.4*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:49*	*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	0.372	U	0.297	0.299	1.00	0.460	pCi/L	02/27/25 07:46	03/19/25 12:09	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*97.4*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:09*	*1*
Y Carrier	*91.2*		*30 - 110*	*02/27/25 07:46*	*03/19/25 12:09*	*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	0.419	U	0.305	0.307	5.00	0.460	pCi/L		03/24/25 12:51	1

Client Sample ID: SCH-AP1-FD-2

Lab Sample ID: 680-262055-17

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0411	U	0.0512	0.0513	1.00	0.0835	pCi/L	02/27/25 07:27	03/26/25 07:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:15*	*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	0.144	U	0.277	0.278	1.00	0.483	pCi/L	02/27/25 07:31	03/19/25 14:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*1*
Y Carrier	*80.4*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*1*

Client Sample ID: SCH-AP1-FD-2

Lab Sample ID: 680-262055-17

Date Collected: 02/19/25 00:00
Matrix: Water
Date Received: 02/20/25 11:50

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	0.185	U	0.282	0.283	5.00	0.483	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-AP1-EB-2

Lab Sample ID: 680-262055-18

Date Collected: 02/19/25 16:48
Matrix: Water
Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0520	U	0.0409	0.0412	1.00	0.121	pCi/L	02/27/25 07:27	03/26/25 07:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:15*	*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	0.288	U	0.311	0.313	1.00	0.505	pCi/L	02/27/25 07:31	03/19/25 14:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*1*
Y Carrier	*75.9*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*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	0.236	U	0.314	0.316	5.00	0.505	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-AP1-FD-3

Lab Sample ID: 680-262055-19

Date Collected: 02/19/25 00:00
Matrix: Water
Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0679	U	0.0737	0.0740	1.00	0.117	pCi/L	02/27/25 07:27	03/26/25 07:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:15*	*1*

Client Sample ID: SCH-AP1-FD-3

Lab Sample ID: 680-262055-19

Date Collected: 02/19/25 00:00
Matrix: Water
Date Received: 02/20/25 11:50

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.182	U	0.323	0.324	1.00	0.558	pCi/L	02/27/25 07:31	03/19/25 14:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.2*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*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	0.250	U	0.331	0.332	5.00	0.558	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-AP1-FB-3

Lab Sample ID: 680-262055-20

Date Collected: 02/19/25 13:42
Matrix: Water
Date Received: 02/20/25 11:50

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0664	U	0.0733	0.0736	1.00	0.117	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	0.303	U	0.344	0.345	1.00	0.564	pCi/L	02/27/25 07:31	03/19/25 14:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.1*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*1*
Y Carrier	*74.8*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*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	0.370	U	0.352	0.353	5.00	0.564	pCi/L		03/26/25 13:08	1

Tracer/Carrier Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
500-264302-E-2-A DU	Duplicate	93.2
680-262055-1	SCH-SGWA-4	93.2
680-262055-2	SCH-SGWC-7	94.5
680-262055-3	SCH-SGWC-8	96.1
680-262055-4	SCH-SGWC-9	98.2
680-262055-5	SCH-SGWC-10	94.0
680-262055-6	SCH-SGWC-12	96.1
680-262055-7	SCH-SGWC-13	94.0
680-262055-8	SCH-SGWC-14	94.8
680-262055-9	SCH-SGWC-16	97.4
680-262055-10	SCH-SGWC-17	99.0
680-262055-11	SCH-SGWA-24	99.0
680-262055-12	SCH-SGWA-25	90.1
680-262055-13	SCH-PZ-13S	93.5
680-262055-14	SCH-PZ-14S	98.7
680-262055-15	SCH-AP1-FD-1	97.4
680-262055-16	SCH-AP1-FB-1	97.4
680-262055-17	SCH-AP1-FD-2	89.5
680-262055-18	SCH-AP1-EB-2	88.5
680-262055-19	SCH-AP1-FD-3	82.2
680-262055-20	SCH-AP1-FB-3	86.1
680-262130-I-14-A DU	Duplicate	99.2
LCS 160-705014/2-A	Lab Control Sample	90.1
LCS 160-705020/2-A	Lab Control Sample	89.8
MB 160-705014/1-A	Method Blank	84.8
MB 160-705020/1-A	Method Blank	88.5

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)
500-264302-E-2-B DU	Duplicate	93.2	86.4
680-262055-1	SCH-SGWA-4	93.2	87.1
680-262055-2	SCH-SGWC-7	94.5	84.1
680-262055-3	SCH-SGWC-8	96.1	89.0
680-262055-4	SCH-SGWC-9	98.2	86.7
680-262055-5	SCH-SGWC-10	94.0	86.4
680-262055-6	SCH-SGWC-12	96.1	86.7
680-262055-7	SCH-SGWC-13	94.0	87.5
680-262055-8	SCH-SGWC-14	94.8	86.7
680-262055-9	SCH-SGWC-16	97.4	88.6
680-262055-10	SCH-SGWC-17	99.0	89.3
680-262055-11	SCH-SGWA-24	99.0	85.2
680-262055-12	SCH-SGWA-25	90.1	86.7
680-262055-13	SCH-PZ-13S	93.5	86.4

Tracer/Carrier Summary

Client: Southern Company
Job ID: 680-262055-2
Project/Site: CCR - Plant Scherer 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)
680-262055-14	SCH-PZ-14S	98.7	86.0
680-262055-15	SCH-AP1-FD-1	97.4	89.0
680-262055-16	SCH-AP1-FB-1	97.4	91.2
680-262055-17	SCH-AP1-FD-2	89.5	80.4
680-262055-18	SCH-AP1-EB-2	88.5	75.9
680-262055-19	SCH-AP1-FD-3	82.2	80.0
680-262055-20	SCH-AP1-FB-3	86.1	74.8
680-262130-I-14-B DU	Duplicate	99.2	80.0
LCS 160-705016/2-A	Lab Control Sample	90.1	78.1
LCS 160-705021/2-A	Lab Control Sample	89.8	86.7
MB 160-705016/1-A	Method Blank	84.8	76.3
MB 160-705021/1-A	Method Blank	88.5	82.6

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-705014/1-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705014

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02698	U	0.0605	0.0606	1.00	0.112	pCi/L	02/27/25 07:27	03/26/25 07:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:15*	*1*

Lab Sample ID: LCS 160-705014/2-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705014

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.12		1.07	1.00	0.111	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.1*		*30 - 110*

Lab Sample ID: 680-262130-I-14-A DU
Matrix: Water
Analysis Batch: 709425

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705014

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0862	U		0.1344		0.0852	1.00	0.114	pCi/L			0.30	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*99.2*		*30 - 110*

Lab Sample ID: MB 160-705020/1-A
Matrix: Water
Analysis Batch: 708917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705020

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01429	U	0.0647	0.0647	1.00	0.144	pCi/L	02/27/25 07:39	03/23/25 12:50	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/27/25 07:39*	*03/23/25 12:50*	*1*

Lab Sample ID: LCS 160-705020/2-A
Matrix: Water
Analysis Batch: 708917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705020

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	8.758		0.989	1.00	0.145	pCi/L	91	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-705020/2-A
Matrix: Water
Analysis Batch: 708917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705020

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	89.8		30 - 110

Lab Sample ID: 500-264302-E-2-A DU
Matrix: Water
Analysis Batch: 708917

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705020

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	-0.0139	U		-0.01843	U	0.0506	1.00	0.123	pCi/L			0.04	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	93.2		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-705016/1-A
Matrix: Water
Analysis Batch: 708486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705016

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1231	U	0.319	0.319	1.00	0.567	pCi/L	02/27/25 07:31	03/19/25 14:14	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110	02/27/25 07:31	03/19/25 14:14	1
Y Carrier	76.3		30 - 110	02/27/25 07:31	03/19/25 14:14	1

Lab Sample ID: LCS 160-705016/2-A
Matrix: Water
Analysis Batch: 708486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705016

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.01	9.182		1.27	1.00	0.452	pCi/L	115	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.1		30 - 110
Y Carrier	78.1		30 - 110

Lab Sample ID: 680-262130-I-14-B DU
Matrix: Water
Analysis Batch: 708497

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705016

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.277	U		0.1690	U	0.300	1.00	0.515	pCi/L			0.18	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 680-262130-I-14-B DU
Matrix: Water
Analysis Batch: 708497

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705016

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	99.2		30 - 110
Y Carrier	80.0		30 - 110

Lab Sample ID: MB 160-705021/1-A
Matrix: Water
Analysis Batch: 708486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705021

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.06954	U	0.249	0.249	1.00	0.500	pCi/L	02/27/25 07:46	03/19/25 11:58	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.5		30 - 110	02/27/25 07:46	03/19/25 11:58	1
Y Carrier	82.6		30 - 110	02/27/25 07:46	03/19/25 11:58	1

Lab Sample ID: LCS 160-705021/2-A
Matrix: Water
Analysis Batch: 708496

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705021

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.01	8.435		1.19	1.00	0.516	pCi/L	105	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	89.8		30 - 110
Y Carrier	86.7		30 - 110

Lab Sample ID: 500-264302-E-2-B DU
Matrix: Water
Analysis Batch: 708496

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705021

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	-0.0454	U		-0.06267	U	0.260	1.00	0.507	pCi/L			0.03	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	93.2		30 - 110
Y Carrier	86.4		30 - 110

Rad

Prep Batch: 705014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-17	SCH-AP1-FD-2	Total/NA	Water	PrecSep-21	
680-262055-18	SCH-AP1-EB-2	Total/NA	Water	PrecSep-21	
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	PrecSep-21	
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	PrecSep-21	
MB 160-705014/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705014/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-262130-I-14-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 705016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-17	SCH-AP1-FD-2	Total/NA	Water	PrecSep_0	
680-262055-18	SCH-AP1-EB-2	Total/NA	Water	PrecSep_0	
680-262055-19	SCH-AP1-FD-3	Total/NA	Water	PrecSep_0	
680-262055-20	SCH-AP1-FB-3	Total/NA	Water	PrecSep_0	
MB 160-705016/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705016/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-262130-I-14-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 705020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total/NA	Water	PrecSep-21	
680-262055-2	SCH-SGWC-7	Total/NA	Water	PrecSep-21	
680-262055-3	SCH-SGWC-8	Total/NA	Water	PrecSep-21	
680-262055-4	SCH-SGWC-9	Total/NA	Water	PrecSep-21	
680-262055-5	SCH-SGWC-10	Total/NA	Water	PrecSep-21	
680-262055-6	SCH-SGWC-12	Total/NA	Water	PrecSep-21	
680-262055-7	SCH-SGWC-13	Total/NA	Water	PrecSep-21	
680-262055-8	SCH-SGWC-14	Total/NA	Water	PrecSep-21	
680-262055-9	SCH-SGWC-16	Total/NA	Water	PrecSep-21	
680-262055-10	SCH-SGWC-17	Total/NA	Water	PrecSep-21	
680-262055-11	SCH-SGWA-24	Total/NA	Water	PrecSep-21	
680-262055-12	SCH-SGWA-25	Total/NA	Water	PrecSep-21	
680-262055-13	SCH-PZ-13S	Total/NA	Water	PrecSep-21	
680-262055-14	SCH-PZ-14S	Total/NA	Water	PrecSep-21	
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	PrecSep-21	
680-262055-16	SCH-AP1-FB-1	Total/NA	Water	PrecSep-21	
MB 160-705020/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705020/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-264302-E-2-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 705021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-1	SCH-SGWA-4	Total/NA	Water	PrecSep_0	
680-262055-2	SCH-SGWC-7	Total/NA	Water	PrecSep_0	
680-262055-3	SCH-SGWC-8	Total/NA	Water	PrecSep_0	
680-262055-4	SCH-SGWC-9	Total/NA	Water	PrecSep_0	
680-262055-5	SCH-SGWC-10	Total/NA	Water	PrecSep_0	
680-262055-6	SCH-SGWC-12	Total/NA	Water	PrecSep_0	
680-262055-7	SCH-SGWC-13	Total/NA	Water	PrecSep_0	
680-262055-8	SCH-SGWC-14	Total/NA	Water	PrecSep_0	
680-262055-9	SCH-SGWC-16	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 705021 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262055-10	SCH-SGWC-17	Total/NA	Water	PrecSep_0	
680-262055-11	SCH-SGWA-24	Total/NA	Water	PrecSep_0	
680-262055-12	SCH-SGWA-25	Total/NA	Water	PrecSep_0	
680-262055-13	SCH-PZ-13S	Total/NA	Water	PrecSep_0	
680-262055-14	SCH-PZ-14S	Total/NA	Water	PrecSep_0	
680-262055-15	SCH-AP1-FD-1	Total/NA	Water	PrecSep_0	
680-262055-16	SCH-AP1-FB-1	Total/NA	Water	PrecSep_0	
MB 160-705021/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705021/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-264302-E-2-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-2

Client Sample ID: SCH-SGWA-4

Lab Sample ID: 680-262055-1

Date Collected: 02/19/25 13:02

Matrix: Water

Date Received: 02/20/25 11:50

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			1006.03 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708917	03/23/25 12:51	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1006.03 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-7

Lab Sample ID: 680-262055-2

Date Collected: 02/19/25 11:54

Matrix: Water

Date Received: 02/20/25 11:50

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			1001.94 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708917	03/23/25 12:51	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.94 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-8

Lab Sample ID: 680-262055-3

Date Collected: 02/19/25 13:24

Matrix: Water

Date Received: 02/20/25 11:50

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	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708917	03/23/25 12:51	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1000.38 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-9

Lab Sample ID: 680-262055-4

Date Collected: 02/19/25 10:10

Matrix: Water

Date Received: 02/20/25 11:50

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			1004.15 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:47	SWS	EET SL
	Instrument ID: GFPCPURPLE									

Client Sample ID: SCH-SGWC-9

Lab Sample ID: 680-262055-4

Date Collected: 02/19/25 10:10

Matrix: Water

Date Received: 02/20/25 11:50

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			1004.15 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-10

Lab Sample ID: 680-262055-5

Date Collected: 02/19/25 14:45

Matrix: Water

Date Received: 02/20/25 11:50

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	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:47	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.98 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-12

Lab Sample ID: 680-262055-6

Date Collected: 02/19/25 15:21

Matrix: Water

Date Received: 02/20/25 11:50

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			1000.95 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:47	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.95 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-13

Lab Sample ID: 680-262055-7

Date Collected: 02/19/25 15:35

Matrix: Water

Date Received: 02/20/25 11:50

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	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:47	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.38 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-2

Client Sample ID: SCH-SGWC-13

Lab Sample ID: 680-262055-7

Date Collected: 02/19/25 15:35

Matrix: Water

Date Received: 02/20/25 11:50

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			709094	03/24/25 12:51	SCB	EET SL

Client Sample ID: SCH-SGWC-14

Lab Sample ID: 680-262055-8

Date Collected: 02/19/25 10:24

Matrix: Water

Date Received: 02/20/25 11:50

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			1000.90 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:47	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.90 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-16

Lab Sample ID: 680-262055-9

Date Collected: 02/19/25 15:50

Matrix: Water

Date Received: 02/20/25 11:50

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			1003.56 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:47	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1003.56 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-17

Lab Sample ID: 680-262055-10

Date Collected: 02/19/25 13:18

Matrix: Water

Date Received: 02/20/25 11:50

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			1007.68 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:47	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1007.68 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Job ID: 680-262055-2
Project/Site: CCR - Plant Scherer Ash Pond

Client Sample ID: SCH-SGWA-24
Lab Sample ID: 680-262055-11
Date Collected: 02/19/25 12:28
Matrix: Water
Date Received: 02/20/25 11:50

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			1001.78 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:48	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1001.78 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 12:13	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWA-25
Lab Sample ID: 680-262055-12
Date Collected: 02/19/25 14:24
Matrix: Water
Date Received: 02/20/25 11:50

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			1001.97 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708918	03/23/25 12:48	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1001.97 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 12:08	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-13S
Lab Sample ID: 680-262055-13
Date Collected: 02/19/25 12:04
Matrix: Water
Date Received: 02/20/25 11:50

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			975.73 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708915	03/23/25 12:48	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			975.73 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 12:08	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-14S
Lab Sample ID: 680-262055-14
Date Collected: 02/19/25 13:52
Matrix: Water
Date Received: 02/20/25 11:50

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			982.88 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708915	03/23/25 12:48	SWS	EET SL
	Instrument ID: GFPCRED									

Client Sample ID: SCH-PZ-14S

Lab Sample ID: 680-262055-14

Date Collected: 02/19/25 13:52

Matrix: Water

Date Received: 02/20/25 11:50

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			982.88 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 12:09	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FD-1

Lab Sample ID: 680-262055-15

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

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			1006.32 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708915	03/23/25 12:48	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1006.32 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 12:09	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FB-1

Lab Sample ID: 680-262055-16

Date Collected: 02/19/25 14:28

Matrix: Water

Date Received: 02/20/25 11:50

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			1002.94 mL	1.0 g	705020	02/27/25 07:39	OGC	EET SL
Total/NA	Analysis	9315		1			708915	03/23/25 12:49	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1002.94 mL	1.0 g	705021	02/27/25 07:46	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 12:09	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709094	03/24/25 12:51	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FD-2

Lab Sample ID: 680-262055-17

Date Collected: 02/19/25 00:00

Matrix: Water

Date Received: 02/20/25 11:50

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			1009.65 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709424	03/26/25 07:15	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1009.65 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708486	03/19/25 14:15	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-2

Client Sample ID: SCH-AP1-FD-2

Lab Sample ID: 680-262055-17

Date Collected: 02/19/25 00:00
Matrix: Water
Date Received: 02/20/25 11:50

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			709438	03/26/25 13:08	SCB	EET SL

Client Sample ID: SCH-AP1-EB-2

Lab Sample ID: 680-262055-18

Date Collected: 02/19/25 16:48
Matrix: Water
Date Received: 02/20/25 11:50

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			993.85 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709424	03/26/25 07:15	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			993.85 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708486	03/19/25 14:15	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FD-3

Lab Sample ID: 680-262055-19

Date Collected: 02/19/25 00:00
Matrix: Water
Date Received: 02/20/25 11:50

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			1003.88 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709424	03/26/25 07:15	SWS	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1003.88 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708486	03/19/25 14:15	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FB-3

Lab Sample ID: 680-262055-20

Date Collected: 02/19/25 13:42
Matrix: Water
Date Received: 02/20/25 11:50

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			1007.75 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1007.75 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708486	03/19/25 14:15	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	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: 680-262055-2
Project/Site: CCR - Plant Scherer 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: CCR - Plant Scherer Ash Pond

Job ID: 680-262055-2

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 Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 2
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 - Sulfide	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	6020B - Fe				Total Number of containers	
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D					
SCH-SGWA-4	2/19/25	13:02	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-7	2/19/25	11:54	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-8	2/19/25	13:24	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-9	2/19/25	10:10	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-10	2/19/25	14:45	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				10	Extra Rads
SCH-SGWC-12	2/19/25	15:21	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-13	2/19/25	15:35	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-14	2/19/25	10:24	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-16	2/19/25	15:50	G	WG	N	N	X	X	X	X		X	X	X	X					8	Extra Rads
SCH-SGWC-17	2/19/25	13:18	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWA-24	2/19/25	12:28	G	WG	N	N	X	X	X	X		X	X	X	X					6	

680-262055 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	[signature]	2/20/25 945	WSP	Miranda Lucas	2/20/25 8:45	ET Now
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	2/20/25 1150	Eurofins

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.1/1.1 2.2/2.2 1.7/1.7 1.6/1.6 2.3/2.3

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 2 of 2
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 - Sulfide	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	6020B - Fe				Total Number of containers
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D				
SCH-SGWA-25	2/19/25	14:24	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-PZ-13S	2/19/25	12:04	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-PZ-14S	2/19/25	13:52	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-AP1-FD-1	2/19/25	-	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FB-1	2/19/25	14:28	G	WQ	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FD-2	2/19/25	-	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-EB-2	2/19/25	16:48	G	WQ	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FD-3	2/19/25	-	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-AP1-FB-3	2/19/25	13:42	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8

Possible Hazard Identification
X 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 — X 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	Received by:	Date/Time:	Company
Relinquished by: Dawn Prell	2/20/25 0845	WSP	Miranda Lucyar	2/20/25 5:45	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/20/25 1150	Company Eurofins

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.9/1.9

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262055-2

Login Number: 262055

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	

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: 680-262055-2

Login Number: 262055
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 02/25/25 11:53 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: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 3/5/2025 5:50:05 PM

JOB DESCRIPTION

CCR - Plant Scherer Additional PZ

JOB NUMBER

680-262126-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

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 Southeast, LLC Project Manager.

Authorization



Generated
3/5/2025 5:50:05 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

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
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.
F1	MS and/or MSD recovery 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.

General Chemistry

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.

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: 680-262126-1
Project/Site: CCR - Plant Scherer Additional PZ

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262126-1	SCH-PZ-25S	Water	02/20/25 13:46	02/21/25 16:00
680-262126-2	SCH-PZ-25I	Water	02/20/25 16:04	02/21/25 16:00

Job ID: 680-262126-1 — Eurofins Savannah

Job Narrative
680-262126-1

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 2/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°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: SCH-PZ-25S

Lab Sample ID: 680-262126-1

Date Collected: 02/20/25 13:46

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.9**		1.0	0.20	mg/L			02/28/25 14:00	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 14:00	1
Sulfate	**2.0**		1.0	0.40	mg/L			02/28/25 14:00	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		02/24/25 06:20	02/24/25 16:00	1
Arsenic	**0.0012**		0.0010	0.00086	mg/L		02/24/25 06:20	02/24/25 16:00	1
Barium	**0.024**		0.010	0.00089	mg/L		02/24/25 06:20	02/24/25 16:00	1
Beryllium	**0.00020**	**J**	0.0025	0.00020	mg/L		02/24/25 06:20	02/24/25 16:00	1
Boron	<0.022		0.080	0.022	mg/L		02/24/25 06:20	02/25/25 11:25	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/24/25 06:20	02/24/25 16:00	1
Calcium	**1.1**		0.50	0.14	mg/L		02/24/25 06:20	02/24/25 16:00	1
Chromium	**0.0029**		0.0020	0.0012	mg/L		02/24/25 06:20	02/24/25 16:00	1
Cobalt	**0.027**		0.0025	0.00022	mg/L		02/24/25 06:20	02/24/25 16:00	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/24/25 06:20	02/24/25 16:00	1
Lithium	**0.0042**	**J**	0.0050	0.0020	mg/L		02/24/25 06:20	02/24/25 16:00	1
Magnesium	**0.52**		0.50	0.023	mg/L		02/24/25 06:20	02/24/25 16:00	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/24/25 06:20	02/24/25 16:00	1
Potassium	**0.27**	**J**	0.50	0.044	mg/L		02/24/25 06:20	02/24/25 16:00	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/24/25 06:20	02/24/25 16:00	1
Sodium	**4.2**		0.50	0.20	mg/L		02/24/25 06:20	02/24/25 16:00	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/24/25 06:20	02/24/25 16:00	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		03/04/25 13:18	03/04/25 19:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**2.2**	**J**	5.0	2.2	mg/L			02/25/25 19:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**2.2**	**J**	5.0	2.2	mg/L			02/25/25 19:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:31	1
Total Dissolved Solids (SM 2540C-2011)	**27**		10	10	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-PZ-25I

Lab Sample ID: 680-262126-2

Date Collected: 02/20/25 16:04

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.3**		1.0	0.20	mg/L			02/28/25 14:10	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 14:10	1
Sulfate	**0.55**	**J**	1.0	0.40	mg/L			02/28/25 14:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.022		0.080	0.022	mg/L		02/24/25 06:20	02/25/25 11:27	1

Client: Southern Company
Job ID: 680-262126-1
Project/Site: CCR - Plant Scherer Additional PZ

Client Sample ID: SCH-PZ-25I
Lab Sample ID: 680-262126-2
Date Collected: 02/20/25 16:04
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	27		0.50	0.14	mg/L		02/24/25 06:20	02/24/25 16:02	1
Cobalt	0.0017	J	0.0025	0.00022	mg/L		02/24/25 06:20	02/24/25 16:02	1
Magnesium	15		0.50	0.023	mg/L		02/24/25 06:20	02/24/25 16:02	1
Potassium	1.1		0.50	0.044	mg/L		02/24/25 06:20	02/24/25 16:02	1
Sodium	5.4		0.50	0.20	mg/L		02/24/25 06:20	02/24/25 16:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	120		5.0	2.2	mg/L			02/25/25 19:41	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	120		5.0	2.2	mg/L			02/25/25 19:41	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:41	1
Total Dissolved Solids (SM 2540C-2011)	140		10	10	mg/L			02/26/25 14:17	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-877352/2
Matrix: Water
Analysis Batch: 877352

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			02/28/25 11:15	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 11:15	1
Sulfate	<0.40		1.0	0.40	mg/L			02/28/25 11:15	1

Lab Sample ID: LCS 680-877352/3
Matrix: Water
Analysis Batch: 877352

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	9.16		mg/L		92	90 - 110
Fluoride	2.00	1.93		mg/L		96	90 - 110
Sulfate	10.0	9.66		mg/L		97	90 - 110

Lab Sample ID: LCSD 680-877352/4
Matrix: Water
Analysis Batch: 877352

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	9.03		mg/L		90	90 - 110	1	15
Fluoride	2.00	1.89		mg/L		94	90 - 110	2	15
Sulfate	10.0	9.43		mg/L		94	90 - 110	2	15

Lab Sample ID: 680-262079-B-15 MS
Matrix: Water
Analysis Batch: 877352

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1.1		10.0	10.4		mg/L		94	80 - 120
Fluoride	2.2		2.00	4.00		mg/L		92	80 - 120
Sulfate	7.2		10.0	17.1		mg/L		98	80 - 120

Lab Sample ID: 680-262079-B-15 MSD
Matrix: Water
Analysis Batch: 877352

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.1		10.0	9.25		mg/L		82	80 - 120	12	15
Fluoride	2.2		2.00	3.76		mg/L		80	80 - 120	6	15
Sulfate	7.2		10.0	15.7		mg/L		84	80 - 120	8	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-876738/1-A
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/24/25 06:20	02/24/25 15:30	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/24/25 06:20	02/24/25 15:30	1
Barium	<0.00089		0.010	0.00089	mg/L		02/24/25 06:20	02/24/25 15:30	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-876738/1-A
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/24/25 06:20	02/24/25 15:30	1
Boron	<0.022		0.080	0.022	mg/L		02/24/25 06:20	02/24/25 15:30	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/24/25 06:20	02/24/25 15:30	1
Calcium	<0.14		0.50	0.14	mg/L		02/24/25 06:20	02/24/25 15:30	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/24/25 06:20	02/24/25 15:30	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/24/25 06:20	02/24/25 15:30	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/24/25 06:20	02/24/25 15:30	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/24/25 06:20	02/24/25 15:30	1
Magnesium	<0.023		0.50	0.023	mg/L		02/24/25 06:20	02/24/25 15:30	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/24/25 06:20	02/24/25 15:30	1
Potassium	<0.044		0.50	0.044	mg/L		02/24/25 06:20	02/24/25 15:30	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/24/25 06:20	02/24/25 15:30	1
Sodium	<0.20		0.50	0.20	mg/L		02/24/25 06:20	02/24/25 15:30	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/24/25 06:20	02/24/25 15:30	1

Lab Sample ID: LCS 680-876738/2-A
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 876738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0491		mg/L		98	80 - 120
Arsenic	0.100	0.0994		mg/L		99	80 - 120
Barium	0.100	0.0988		mg/L		99	80 - 120
Beryllium	0.0500	0.0510		mg/L		102	80 - 120
Boron	0.400	0.393		mg/L		98	80 - 120
Cadmium	0.0500	0.0517		mg/L		103	80 - 120
Calcium	5.00	5.04		mg/L		101	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0471		mg/L		94	80 - 120
Lead	0.500	0.493		mg/L		99	80 - 120
Lithium	0.500	0.487		mg/L		97	80 - 120
Magnesium	5.00	4.61		mg/L		92	80 - 120
Molybdenum	0.100	0.0962		mg/L		96	80 - 120
Potassium	7.00	7.30		mg/L		104	80 - 120
Selenium	0.100	0.0983		mg/L		98	80 - 120
Sodium	5.00	5.11		mg/L		102	80 - 120
Thallium	0.0500	0.0505		mg/L		101	80 - 120

Lab Sample ID: 752-29718-D-2-E MS
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 876738

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0594		mg/L		119	75 - 125
Arsenic	0.0047	F1	0.100	0.130	F1	mg/L		126	75 - 125
Barium	0.32	F1	0.100	0.456	F1	mg/L		135	75 - 125
Beryllium	<0.00020	F1	0.0500	0.0628	F1	mg/L		126	75 - 125
Boron	0.19		0.400	0.683		mg/L		122	75 - 125
Cadmium	<0.000078	F1	0.0500	0.0635	F1	mg/L		127	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 752-29718-D-2-E MS
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 876738

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	78		5.00	85.2	4	mg/L		141	75 - 125
Chromium	0.0016	J F1	0.100	0.128	F1	mg/L		126	75 - 125
Cobalt	0.0011	J	0.0500	0.0590		mg/L		116	75 - 125
Lead	<0.00021		0.500	0.627		mg/L		125	75 - 125
Lithium	0.0079		0.500	0.634		mg/L		125	75 - 125
Magnesium	29		5.00	35.3	4	mg/L		125	75 - 125
Molybdenum	<0.00086		0.100	0.123		mg/L		123	75 - 125
Potassium	12	F1	7.00	21.1	F1	mg/L		130	75 - 125
Selenium	<0.00099		0.100	0.121		mg/L		121	75 - 125
Sodium	270		5.00	278	4	mg/L		200	75 - 125
Thallium	<0.00026		0.0500	0.0626		mg/L		125	75 - 125

Lab Sample ID: 752-29718-D-2-F MSD
Matrix: Water
Analysis Batch: 876876

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 876738

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0589		mg/L		118	75 - 125	1	20
Arsenic	0.0047	F1	0.100	0.125		mg/L		120	75 - 125	4	20
Barium	0.32	F1	0.100	0.436		mg/L		115	75 - 125	5	20
Beryllium	<0.00020	F1	0.0500	0.0610		mg/L		122	75 - 125	3	20
Boron	0.19		0.400	0.657		mg/L		115	75 - 125	4	20
Cadmium	<0.000078	F1	0.0500	0.0621		mg/L		124	75 - 125	2	20
Calcium	78		5.00	82.6	4	mg/L		89	75 - 125	3	20
Chromium	0.0016	J F1	0.100	0.125		mg/L		123	75 - 125	2	20
Cobalt	0.0011	J	0.0500	0.0580		mg/L		114	75 - 125	2	20
Lead	<0.00021		0.500	0.617		mg/L		123	75 - 125	2	20
Lithium	0.0079		0.500	0.608		mg/L		120	75 - 125	4	20
Magnesium	29		5.00	33.8	4	mg/L		96	75 - 125	4	20
Molybdenum	<0.00086		0.100	0.121		mg/L		121	75 - 125	2	20
Potassium	12	F1	7.00	20.5		mg/L		120	75 - 125	3	20
Selenium	<0.00099		0.100	0.116		mg/L		116	75 - 125	5	20
Sodium	270		5.00	269	4	mg/L		12	75 - 125	3	20
Thallium	<0.00026		0.0500	0.0613		mg/L		123	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-877714/1-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/04/25 13:13	03/04/25 18:30	1

Lab Sample ID: LCS 680-877714/2-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00251		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 680-262088-C-4-C MS
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 877714

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: 680-262088-C-4-D MSD
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 877714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00100		mg/L		100	80 - 120	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-877100/4
Matrix: Water
Analysis Batch: 877100

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 to pH 4.5	<2.2		5.0	2.2	mg/L			02/25/25 18:28	1
Bicarbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/25/25 18:28	1
Carbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/25/25 18:28	1

Lab Sample ID: LCS 680-877100/6
Matrix: Water
Analysis Batch: 877100

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 to pH 4.5	250	244		mg/L		98	90 - 112

Lab Sample ID: LCSD 680-877100/31
Matrix: Water
Analysis Batch: 877100

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 to pH 4.5	250	250		mg/L		100	90 - 112	3	30

Lab Sample ID: 680-262084-A-11 DU
Matrix: Water
Analysis Batch: 877100

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 to pH 4.5	35		35.2		mg/L		0.6	30
Bicarbonate Alkalinity as CaCO3	35		35.2		mg/L		0.6	30
Carbonate Alkalinity as CaCO3	<2.2		<2.2		mg/L		NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-877138/1
Matrix: Water
Analysis Batch: 877138

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			02/26/25 14:17	1

Lab Sample ID: LCS 680-877138/2
Matrix: Water
Analysis Batch: 877138

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 680-877138/3
Matrix: Water
Analysis Batch: 877138

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

Lab Sample ID: 680-262130-C-7 DU
Matrix: Water
Analysis Batch: 877138

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	390			376		mg/L				4	5

Lab Sample ID: 680-262130-C-11 DU
Matrix: Water
Analysis Batch: 877138

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	430			440		mg/L				3	5

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Additional PZ

Job ID: 680-262126-1

HPLC/IC

Analysis Batch: 877352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total/NA	Water	300.0-1993 R2.1	
680-262126-2	SCH-PZ-25I	Total/NA	Water	300.0-1993 R2.1	
MB 680-877352/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877352/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877352/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262079-B-15 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-262079-B-15 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 876738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total Recoverable	Water	3005A	
680-262126-2	SCH-PZ-25I	Total Recoverable	Water	3005A	
MB 680-876738/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-876738/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-29718-D-2-E MS	Matrix Spike	Total Recoverable	Water	3005A	
752-29718-D-2-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 876876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total Recoverable	Water	6020B	876738
680-262126-2	SCH-PZ-25I	Total Recoverable	Water	6020B	876738
MB 680-876738/1-A	Method Blank	Total Recoverable	Water	6020B	876738
LCS 680-876738/2-A	Lab Control Sample	Total Recoverable	Water	6020B	876738
752-29718-D-2-E MS	Matrix Spike	Total Recoverable	Water	6020B	876738
752-29718-D-2-F MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	876738

Analysis Batch: 877033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total Recoverable	Water	6020B	876738
680-262126-2	SCH-PZ-25I	Total Recoverable	Water	6020B	876738

Prep Batch: 877714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total/NA	Water	7470A	
MB 680-877714/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877714/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262088-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262088-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 877813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total/NA	Water	7470A	877714
MB 680-877714/1-A	Method Blank	Total/NA	Water	7470A	877714
LCS 680-877714/2-A	Lab Control Sample	Total/NA	Water	7470A	877714
680-262088-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	877714
680-262088-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	877714

QC Association Summary

Client: Southern Company
Job ID: 680-262126-1
Project/Site: CCR - Plant Scherer Additional PZ

General Chemistry

Analysis Batch: 877100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total/NA	Water	2320B-2011	
680-262126-2	SCH-PZ-25I	Total/NA	Water	2320B-2011	
MB 680-877100/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-877100/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-877100/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-262084-A-11 DU	Duplicate	Total/NA	Water	2320B-2011	

Analysis Batch: 877138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total/NA	Water	2540C-2011	
680-262126-2	SCH-PZ-25I	Total/NA	Water	2540C-2011	
MB 680-877138/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-877138/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-877138/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-262130-C-7 DU	Duplicate	Total/NA	Water	2540C-2011	
680-262130-C-11 DU	Duplicate	Total/NA	Water	2540C-2011	

Lab Chronicle

Client: Southern Company
Job ID: 680-262126-1
Project/Site: CCR - Plant Scherer Additional PZ

Client Sample ID: SCH-PZ-25S
Lab Sample ID: 680-262126-1
Date Collected: 02/20/25 13:46
Matrix: Water
Date Received: 02/21/25 16:00

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	877352	02/28/25 14:00	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876738	02/24/25 06:20	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:00	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	876738	02/24/25 06:20	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 11:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877714	03/04/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/04/25 19:26	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 19:31	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-25I
Lab Sample ID: 680-262126-2
Date Collected: 02/20/25 16:04
Matrix: Water
Date Received: 02/21/25 16:00

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	877352	02/28/25 14:10	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876738	02/24/25 06:20	RR	EET SAV
Total Recoverable	Analysis	6020B		1			876876	02/24/25 16:02	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	876738	02/24/25 06:20	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 11:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 19:41	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	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: 680-262126-1
Project/Site: CCR - Plant Scherer Additional PZ

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
Job ID: 680-262126-1
Project/Site: CCR - Plant Scherer Additional PZ

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
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 Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

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Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Additional PZ	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1
Special Instructions/Notes:

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV w/ Mg, Na, K	7470A - App IV Mercury	6020B - App III w/ Co, Mg, Na, K	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	Total Number of containers
			Preservation Code:		X	X	N	N	D	D	D	N	D	D	D	X
SCH-PZ-25S	2/20/25	13:46	G	WG	N	N	X	X	X	X		X	X	X	X	6
SCH-PZ-25I	2/20/25	16:04	G	WG	N	N	X	X			X	X				4

680-262126 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: Dawn Prell	2/21/25 WSP	WSP	Received by: Jake Stucky	2/21/25 1245	WSP
Relinquished by: Jake Stucky	2/21/25	WSP	Received by: Claudia Juarez	2/21/25 13:02	CWW
Relinquished by:	Date/Time:	Company	Received by:	2/21/25 1600	Eurofins

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.3/2.3

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262126-1

Login Number: 262126

List Source: Eurofins Savannah

List Number: 1

Creator: Munro, Caroline

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: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 3/26/2025 2:18:36 PM

JOB DESCRIPTION

CCR - Plant Scherer Additional PZ

JOB NUMBER

680-262126-2

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

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 Southeast, LLC Project Manager.

Authorization



Generated
3/26/2025 2:18:36 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

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: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262126-1	SCH-PZ-25S	Water	02/20/25 13:46	02/21/25 16:00

Job Narrative
680-262126-2

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.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 2/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°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: Southern Company
Job ID: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

Client Sample ID: SCH-PZ-25S
Lab Sample ID: 680-262126-1
Date Collected: 02/20/25 13:46
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0326	U	0.0702	0.0703	1.00	0.128	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.4*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	-0.0132	U	0.309	0.309	1.00	0.592	pCi/L	02/27/25 07:31	03/19/25 14:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.4*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*1*
Y Carrier	*75.9*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*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	0.0194	U	0.317	0.317	5.00	0.592	pCi/L		03/26/25 13:08	1

Tracer/Carrier Summary

Client: Southern Company
Job ID: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

Method: 9315 - Radium-226 (GFPC)

Matrix: Water **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)							
		Ba							
Lab Sample ID	Client Sample ID	(30-110)							
680-262126-1	SCH-PZ-25S	80.4							
680-262130-I-14-A DU	Duplicate	99.2							
LCS 160-705014/2-A	Lab Control Sample	90.1							
MB 160-705014/1-A	Method Blank	84.8							

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)						
680-262126-1	SCH-PZ-25S	80.4	75.9						
680-262130-I-14-B DU	Duplicate	99.2	80.0						
LCS 160-705016/2-A	Lab Control Sample	90.1	78.1						
MB 160-705016/1-A	Method Blank	84.8	76.3						

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-705014/1-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705014

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02698	U	0.0605	0.0606	1.00	0.112	pCi/L	02/27/25 07:27	03/26/25 07:15	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110	02/27/25 07:27	03/26/25 07:15	1

Lab Sample ID: LCS 160-705014/2-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705014

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.12		1.07	1.00	0.111	pCi/L	106	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	90.1		30 - 110

Lab Sample ID: 680-262130-I-14-A DU
Matrix: Water
Analysis Batch: 709425

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705014

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0862	U		0.1344		0.0852	1.00	0.114	pCi/L			0.30	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	99.2		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-705016/1-A
Matrix: Water
Analysis Batch: 708486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705016

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1231	U	0.319	0.319	1.00	0.567	pCi/L	02/27/25 07:31	03/19/25 14:14	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110	02/27/25 07:31	03/19/25 14:14	1
Y Carrier	76.3		30 - 110	02/27/25 07:31	03/19/25 14:14	1

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-705016/2-A
Matrix: Water
Analysis Batch: 708486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705016

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.01	9.182		1.27	1.00	0.452	pCi/L	115	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.1*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

Lab Sample ID: 680-262130-I-14-B DU
Matrix: Water
Analysis Batch: 708497

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705016

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.277	U		0.1690	U	0.300	1.00	0.515	pCi/L			0.18	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*99.2*		*30 - 110*
Y Carrier	*80.0*		*30 - 110*

QC Association Summary

Client: Southern Company
Job ID: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

Rad

Prep Batch: 705014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total/NA	Water	PrecSep-21	
MB 160-705014/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705014/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-262130-I-14-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 705016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262126-1	SCH-PZ-25S	Total/NA	Water	PrecSep_0	
MB 160-705016/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705016/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-262130-I-14-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Lab Chronicle

Client: Southern Company
Job ID: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

Client Sample ID: SCH-PZ-25S
Lab Sample ID: 680-262126-1
Date Collected: 02/20/25 13:46
Matrix: Water
Date Received: 02/21/25 16:00

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			1002.45 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.45 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708486	03/19/25 14:15	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	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: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

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
Job ID: 680-262126-2
Project/Site: CCR - Plant Scherer Additional PZ

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 Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

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Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Additional PZ	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1
Special Instructions/Notes:

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV w/ Mg, Na, K	7470A - App IV Mercury	6020B - App III w/ Co, Mg, Na, K	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	Total Number of containers
			Preservation Code:				N	N	D	D	D	N	D	D	D	
SCH-PZ-25S	2/20/25	13:46	G	WG	N	N	X	X	X	X		X	X	X	X	6
SCH-PZ-25I	2/20/25	16:04	G	WG	N	N	X	X			X	X				4

680-262126 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:	2/21/25 WSP	WSP	Received by: Jake Stucky	2/21/25 1245	WSP
Relinquished by: Jake Stucky	2/21/25	WSP	Received by: Claudia Juarez	2/21/25 13:02	CWW
Relinquished by:	Date/Time:	Company	Received by:	2/21/25 1600	Eurofins

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.3/2.3

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262126-2

Login Number: 262126

List Source: Eurofins Savannah

List Number: 1

Creator: Munro, Caroline

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: 680-262126-2

Login Number: 262126
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 02/25/25 11:53 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.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 3/11/2025 9:19:58 PM Revision 1

JOB DESCRIPTION

CCR - Plant Scherer Ash Pond

JOB NUMBER

680-262130-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

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 Southeast, LLC Project Manager.

Authorization



Generated
3/11/2025 9:19:58 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: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262130-1	SCH-SGWA-1	Water	02/20/25 11:59	02/21/25 16:00
680-262130-2	SCH-SGWA-2	Water	02/20/25 14:11	02/21/25 16:00
680-262130-3	SCH-SGWA-5	Water	02/20/25 11:20	02/21/25 16:00
680-262130-4	SCH-SGWC-6	Water	02/20/25 11:27	02/21/25 16:00
680-262130-5	SCH-SGWC-11	Water	02/20/25 10:45	02/21/25 16:00
680-262130-6	SCH-SGWC-15	Water	02/20/25 10:35	02/21/25 16:00
680-262130-7	SCH-SGWC-20	Water	02/20/25 11:08	02/21/25 16:00
680-262130-8	SCH-SGWA-3	Water	02/20/25 14:33	02/21/25 16:00
680-262130-9	SCH-AP1-EB-1	Water	02/20/25 12:33	02/21/25 16:00
680-262130-10	SCH-AP1-FB-2	Water	02/20/25 11:00	02/21/25 16:00
680-262130-11	SCH-PZ-42I	Water	02/20/25 14:00	02/21/25 16:00
680-262130-12	SCH-AP1-FB-4	Water	02/20/25 14:45	02/21/25 16:00
680-262130-13	SCH-SGWC-22	Water	02/20/25 15:05	02/21/25 16:00
680-262130-14	SCH-PZ-40I	Water	02/20/25 15:09	02/21/25 16:00
680-262130-15	SCH-SGWC-21	Water	02/20/25 16:35	02/21/25 16:00
680-262130-16	SCH-PZ-17I	Water	02/21/25 10:48	02/21/25 16:00
680-262130-17	SCH-AP1-EB-3	Water	02/21/25 10:58	02/21/25 16:00
680-262130-18	SCH-PZ-41S	Water	02/21/25 09:52	02/21/25 16:00
680-262130-19	SCH-AP1-FD-4	Water	02/21/25 00:00	02/21/25 16:00
680-262130-20	SCH-SGWC-18	Water	02/21/25 10:06	02/21/25 16:00
680-262130-21	SCH-SGWC-19	Water	02/21/25 10:19	02/21/25 16:00
680-262130-22	SCH-SGWC-23	Water	02/21/25 10:35	02/21/25 16:00

Job Narrative
680-262130-1

Revision 1
The report being provided is a revision of the original report sent on 3/6/2025. The report (revision 1) is being revised in order to remove page 3 of the Chain of Custody from the report as these samples were listed on page 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 2/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.4°C, 0.7°C, 1.1°C, 1.2°C, 1.5°C, 2.3°C, 2.6°C and 3.6°C.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batches 680-877352, 680-877431 and 680-877525 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 native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batches 680-877431 and 680-877525 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride and Sulfate in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

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: SCH-SGWC-15 (680-262130-6), SCH-SGWC-20 (680-262130-7), SCH-PZ-42I (680-262130-11), SCH-SGWC-22 (680-262130-13), SCH-PZ-40I (680-262130-14), SCH-SGWC-21 (680-262130-15), SCH-PZ-17I (680-262130-16), SCH-PZ-41S (680-262130-18), SCH-AP1-FD-4 (680-262130-19), SCH-SGWC-18 (680-262130-20), SCH-SGWC-19 (680-262130-21) and SCH-SGWC-23 (680-262130-22).

Method 9034: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 680-876994 and analytical batch 680-877009 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.

Client Sample ID: SCH-SGWA-1

Lab Sample ID: 680-262130-1

Date Collected: 02/20/25 11:59

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**0.50**	**J**	1.0	0.40	mg/L			02/28/25 14:20	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 14:20	1
Chloride	**1.8**		1.0	0.20	mg/L			02/28/25 14:20	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		02/25/25 05:18	02/25/25 13:59	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:59	1
Barium	**0.047**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:59	1
Beryllium	**0.00037**	**J**	0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:59	1
Boron	**0.033**	**J**	0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:59	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:59	1
Calcium	**2.1**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:59	1
Chromium	**0.0033**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:59	1
Cobalt	**0.00024**	**J**	0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:59	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:59	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:59	1
Magnesium	**1.0**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:59	1
Manganese	**0.047**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:59	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:59	1
Potassium	**0.80**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:59	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:59	1
Sodium	**3.2**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:59	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:59	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		03/04/25 15:22	03/05/25 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**11**		5.0	2.2	mg/L			02/25/25 20:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	2.2	mg/L			02/25/25 20:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 20:06	1
Total Dissolved Solids (SM 2540C-2011)	**48**		10	10	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-SGWA-2

Lab Sample ID: 680-262130-2

Date Collected: 02/20/25 14:11

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/28/25 14:30	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 14:30	1
Chloride	**1.3**		1.0	0.20	mg/L			02/28/25 14:30	1

Client Sample ID: SCH-SGWA-2

Lab Sample ID: 680-262130-2

Date Collected: 02/20/25 14:11

Matrix: Water

Date Received: 02/21/25 16:00

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		02/25/25 05:18	02/25/25 14:05	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:05	1
Barium	**0.041**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:05	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:05	1
Boron	**0.032**	**J**	0.080	0.022	mg/L		02/25/25 05:18	02/26/25 14:29	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:05	1
Calcium	**12**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:05	1
Chromium	**0.015**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:05	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:05	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:05	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:05	1
Magnesium	**6.9**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:05	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:05	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:05	1
Potassium	**1.0**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:05	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:05	1
Sodium	**5.2**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:05	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:05	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		03/04/25 15:22	03/05/25 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**61**		5.0	2.2	mg/L			02/25/25 21:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**61**		5.0	2.2	mg/L			02/25/25 21:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 21:17	1
Total Dissolved Solids (SM 2540C-2011)	**100**		10	10	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-SGWA-5

Lab Sample ID: 680-262130-3

Date Collected: 02/20/25 11:20

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40	F1	1.0	0.40	mg/L			02/28/25 15:22	1
Fluoride	<0.040	F1 F2	0.10	0.040	mg/L			02/28/25 15:22	1
Chloride	**1.9**	**F1**	1.0	0.20	mg/L			02/28/25 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		02/25/25 05:18	02/25/25 13:37	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:37	1
Barium	**0.014**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:37	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:37	1
Boron	**0.023**	**J**	0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:37	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:37	1

Client Sample ID: SCH-SGWA-5

Lab Sample ID: 680-262130-3

Date Collected: 02/20/25 11:20

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**1.8**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:37	1
Chromium	**0.0016**	**J**	0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:37	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:37	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:37	1
Lithium	**0.0031**	**J**	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:37	1
Magnesium	**0.61**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:37	1
Manganese	**0.0034**	**J**	0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:37	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:37	1
Potassium	**0.60**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:37	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:37	1
Sodium	**12**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:37	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 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		03/04/25 15:22	03/05/25 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**30**		5.0	2.2	mg/L			02/25/25 20:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**30**		5.0	2.2	mg/L			02/25/25 20:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 20:36	1
Total Dissolved Solids (SM 2540C-2011)	**74**		10	10	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-SGWC-6

Lab Sample ID: 680-262130-4

Date Collected: 02/20/25 11:27

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/28/25 15:51	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 15:51	1
Chloride	**2.6**		1.0	0.20	mg/L			02/28/25 15:51	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		02/25/25 05:18	02/25/25 14:07	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:07	1
Barium	**0.17**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:07	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:07	1
Boron	**0.069**	**J**	0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:07	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:07	1
Calcium	**13**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:07	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:07	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:07	1
Lead	**0.00054**	**J**	0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:07	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:07	1
Magnesium	**6.0**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:07	1

Client Sample ID: SCH-SGWC-6

Lab Sample ID: 680-262130-4

Date Collected: 02/20/25 11:27

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.024**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:07	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:07	1
Potassium	**1.1**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:07	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:07	1
Sodium	**14**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:07	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:07	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		03/04/25 15:22	03/05/25 09:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**76**		5.0	2.2	mg/L			02/25/25 21:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**76**		5.0	2.2	mg/L			02/25/25 21:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 21:09	1
Total Dissolved Solids (SM 2540C-2011)	**130**		10	10	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-SGWC-11

Lab Sample ID: 680-262130-5

Date Collected: 02/20/25 10:45

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**31**		1.0	0.40	mg/L			02/28/25 16:01	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 16:01	1
Chloride	**12**		1.0	0.20	mg/L			02/28/25 16:01	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		02/25/25 05:18	02/25/25 14:15	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:15	1
Barium	**0.072**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:15	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:15	1
Boron	**0.87**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:15	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:15	1
Calcium	**3.3**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:15	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:15	1
Cobalt	**0.020**		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:15	1
Iron	**4.6**		0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:15	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:15	1
Lithium	**0.0043**	**J**	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:15	1
Magnesium	**2.1**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:15	1
Manganese	**0.76**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:15	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:15	1
Potassium	**0.67**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:15	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:15	1
Sodium	**22**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:15	1

Client Sample ID: SCH-SGWC-11

Lab Sample ID: 680-262130-5

Date Collected: 02/20/25 10:45

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:15	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		03/04/25 15:22	03/05/25 08:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**20**		5.0	2.2	mg/L			02/25/25 19:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**20**		5.0	2.2	mg/L			02/25/25 19:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:59	1
Total Dissolved Solids (SM 2540C-2011)	**90**		10	10	mg/L			02/26/25 14:17	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWC-15

Lab Sample ID: 680-262130-6

Date Collected: 02/20/25 10:35

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**210**		10	4.0	mg/L			02/28/25 16:11	10
Fluoride	<0.40		1.0	0.40	mg/L			02/28/25 16:11	10
Chloride	**11**		10	2.0	mg/L			02/28/25 16:11	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		02/25/25 05:18	02/25/25 14:09	1
Arsenic	**0.0012**		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:09	1
Barium	**0.025**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:09	1
Beryllium	**0.00054**	**J**	0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:09	1
Boron	**1.3**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:09	1
Cadmium	**0.00024**	**J**	0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:09	1
Calcium	**16**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:09	1
Chromium	**0.033**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:09	1
Cobalt	**0.23**		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:09	1
Iron	<0.012		0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:09	1
Lithium	**0.0038**	**J**	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:09	1
Magnesium	**16**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:09	1
Manganese	**3.9**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:09	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:09	1
Potassium	**5.0**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:09	1
Selenium	**0.0035**	**J**	0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:09	1
Sodium	**55**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:09	1

Client Sample ID: SCH-SGWC-15

Lab Sample ID: 680-262130-6

Date Collected: 02/20/25 10:35

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00015**	**J**	0.00020	0.000080	mg/L		03/04/25 15:22	03/05/25 09:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:51	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:51	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:51	1
Total Dissolved Solids (SM 2540C-2011)	**320**		40	40	mg/L			02/26/25 14:17	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 680-262130-7

Date Collected: 02/20/25 11:08

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**280**		10	4.0	mg/L			02/28/25 16:21	10
Fluoride	<0.40		1.0	0.40	mg/L			02/28/25 16:21	10
Chloride	**6.3**	**J**	10	2.0	mg/L			02/28/25 16:21	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		02/25/25 05:18	02/25/25 14:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:19	1
Barium	**0.022**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:19	1
Beryllium	**0.0011**	**J**	0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:19	1
Boron	**1.9**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:19	1
Cadmium	**0.000090**	**J**	0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:19	1
Calcium	**22**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:19	1
Chromium	**0.0024**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:19	1
Cobalt	**0.15**		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:19	1
Iron	**0.030**	**J**	0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:19	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:19	1
Lithium	**0.0071**		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:19	1
Magnesium	**27**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:19	1
Manganese	**2.0**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:19	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:19	1
Potassium	**3.7**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:19	1
Sodium	**69**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:19	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:19	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		03/04/25 15:22	03/05/25 09:00	1

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 680-262130-7

Date Collected: 02/20/25 11:08

Matrix: Water

Date Received: 02/21/25 16:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:45	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 19:45	1
Total Dissolved Solids (SM 2540C-2011)	**390**		40	40	mg/L			02/26/25 14:17	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWA-3

Lab Sample ID: 680-262130-8

Date Collected: 02/20/25 14:33

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**0.59**	**J**	1.0	0.40	mg/L			02/28/25 16:30	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 16:30	1
Chloride	**2.0**		1.0	0.20	mg/L			02/28/25 16:30	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		02/25/25 05:18	02/25/25 13:57	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:57	1
Barium	**0.038**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:57	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:57	1
Boron	**0.068**	**J**	0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:57	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:57	1
Calcium	**6.4**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:57	1
Chromium	**0.027**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:57	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:57	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:57	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:57	1
Magnesium	**5.1**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:57	1
Manganese	**0.0083**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:57	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:57	1
Potassium	**1.2**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:57	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:57	1
Sodium	**4.0**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:57	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:57	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		03/04/25 15:22	03/05/25 09:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**38**		5.0	2.2	mg/L			02/25/25 20:54	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**35**		5.0	2.2	mg/L			02/25/25 20:54	1

Client Sample ID: SCH-SGWA-3

Lab Sample ID: 680-262130-8

Date Collected: 02/20/25 14:33

Matrix: Water

Date Received: 02/21/25 16:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 20:54	1
Total Dissolved Solids (SM 2540C-2011)	**51**		10	10	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-AP1-EB-1

Lab Sample ID: 680-262130-9

Date Collected: 02/20/25 12:33

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/28/25 16:40	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 16:40	1
Chloride	<0.20		1.0	0.20	mg/L			02/28/25 16:40	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		02/25/25 05:18	02/25/25 13:43	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:43	1
Barium	<0.00089		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:43	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:43	1
Boron	<0.022		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:43	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:43	1
Calcium	<0.14		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:43	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:43	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:43	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:43	1
Lithium	**0.0025**	**J**	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:43	1
Magnesium	<0.023		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:43	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:43	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:43	1
Potassium	<0.044		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:43	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:43	1
Sodium	<0.20		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:43	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:43	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		03/04/25 15:22	03/05/25 09:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 20:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 20:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 20:59	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-AP1-FB-2

Lab Sample ID: 680-262130-10

Date Collected: 02/20/25 11:00

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/28/25 16:50	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 16:50	1
Chloride	<0.20		1.0	0.20	mg/L			02/28/25 16:50	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		02/25/25 05:18	02/25/25 14:23	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:23	1
Barium	**0.0019**	**J**	0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:23	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:23	1
Boron	**0.063**	**J**	0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:23	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:23	1
Calcium	<0.14		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:23	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:23	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:23	1
Iron	<0.012		0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:23	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:23	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:23	1
Magnesium	<0.023		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:23	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:23	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:23	1
Potassium	<0.044		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:23	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:23	1
Sodium	<0.20		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:23	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:23	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		03/04/25 15:22	03/05/25 09:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:06	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/26/25 14:17	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-PZ-42I

Lab Sample ID: 680-262130-11

Date Collected: 02/20/25 14:00

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**190**		10	4.0	mg/L			02/28/25 17:00	10
Fluoride	<0.40		1.0	0.40	mg/L			02/28/25 17:00	10
Chloride	**11**		10	2.0	mg/L			02/28/25 17:00	10

Client Sample ID: SCH-PZ-42I

Lab Sample ID: 680-262130-11

Date Collected: 02/20/25 14:00

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00090**	**J**	0.0020	0.00034	mg/L		02/25/25 05:18	02/25/25 13:55	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:55	1
Barium	**0.047**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:55	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:55	1
Boron	**2.3**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:55	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:55	1
Calcium	**77**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:55	1
Chromium	**0.0012**	**J**	0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:55	1
Cobalt	**0.00035**	**J**	0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:55	1
Iron	**0.069**	**J**	0.10	0.012	mg/L		02/25/25 05:18	02/25/25 13:55	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:55	1
Lithium	**0.028**		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:55	1
Magnesium	**19**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:55	1
Manganese	**0.22**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:55	1
Molybdenum	**0.0097**	**J**	0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:55	1
Potassium	**8.4**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:55	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:55	1
Sodium	**28**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:55	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:55	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		03/04/25 13:18	03/04/25 19:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**94**		5.0	2.2	mg/L			02/25/25 21:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**94**		5.0	2.2	mg/L			02/25/25 21:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 21:42	1
Total Dissolved Solids (SM 2540C-2011)	**430**		40	40	mg/L			02/26/25 14:17	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-AP1-FB-4

Lab Sample ID: 680-262130-12

Date Collected: 02/20/25 14:45

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/28/25 17:09	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 17:09	1
Chloride	<0.20		1.0	0.20	mg/L			02/28/25 17:09	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		02/25/25 05:18	02/25/25 13:53	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:53	1
Barium	<0.00089		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:53	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:53	1

Client Sample ID: SCH-AP1-FB-4

Date Collected: 02/20/25 14:45
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-12
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.046**	**J**	0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:53	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:53	1
Calcium	<0.14		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:53	1
Chromium	**0.0013**	**J**	0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:53	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:53	1
Iron	**0.061**	**J**	0.10	0.012	mg/L		02/25/25 05:18	02/25/25 13:53	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:53	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:53	1
Magnesium	<0.023		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:53	1
Manganese	**0.0058**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:53	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:53	1
Potassium	<0.044		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:53	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:53	1
Sodium	<0.20		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:53	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:53	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		03/04/25 15:22	03/05/25 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:33	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/26/25 14:17	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWC-22

Date Collected: 02/20/25 15:05
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-13
Matrix: Water

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**88**		5.0	2.0	mg/L			03/01/25 16:54	5
Fluoride	<0.20		0.50	0.20	mg/L			03/01/25 16:54	5
Chloride	**10**		5.0	1.0	mg/L			03/01/25 16:54	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		02/25/25 05:18	02/25/25 14:21	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:21	1
Barium	**0.071**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:21	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:21	1
Boron	**0.52**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:21	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:21	1
Calcium	**25**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:21	1
Chromium	**0.0013**	**J**	0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:21	1

Client Sample ID: SCH-SGWC-22

Lab Sample ID: 680-262130-13

Date Collected: 02/20/25 15:05

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.00073**	**J**	0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:21	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:21	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:21	1
Magnesium	**13**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:21	1
Manganese	**0.11**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:21	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:21	1
Potassium	**2.4**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:21	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:21	1
Sodium	**19**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:21	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 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		03/04/25 15:22	03/05/25 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**48**		5.0	2.2	mg/L			02/26/25 00:20	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**48**		5.0	2.2	mg/L			02/26/25 00:20	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:20	1
Total Dissolved Solids (SM 2540C-2011)	**210**		40	40	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-PZ-40I

Lab Sample ID: 680-262130-14

Date Collected: 02/20/25 15:09

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**460**		25	10	mg/L			03/01/25 17:04	25
Fluoride	<1.0		2.5	1.0	mg/L			03/01/25 17:04	25
Chloride	<5.0		25	5.0	mg/L			03/01/25 17:04	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		02/25/25 05:18	02/25/25 14:17	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:17	1
Barium	**0.033**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:17	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:17	1
Boron	**4.6**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:17	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:17	1
Calcium	**140**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:17	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:17	1
Cobalt	**0.00094**	**J**	0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:17	1
Iron	**0.53**		0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:17	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:17	1
Lithium	**0.013**		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:17	1
Magnesium	**60**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:17	1
Manganese	**0.20**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:17	1

Client Sample ID: SCH-PZ-40I

Lab Sample ID: 680-262130-14

Date Collected: 02/20/25 15:09

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:17	1
Potassium	**8.5**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:17	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:17	1
Sodium	**74**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:17	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:17	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		03/04/25 15:22	03/05/25 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**38**		5.0	2.2	mg/L			02/26/25 00:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**38**		5.0	2.2	mg/L			02/26/25 00:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:28	1
Total Dissolved Solids (SM 2540C-2011)	**980**		40	40	mg/L			02/26/25 14:17	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWC-21

Lab Sample ID: 680-262130-15

Date Collected: 02/20/25 16:35

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**120**		5.0	2.0	mg/L			03/01/25 17:14	5
Fluoride	<0.20		0.50	0.20	mg/L			03/01/25 17:14	5
Chloride	**5.5**		5.0	1.0	mg/L			03/01/25 17:14	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		02/25/25 05:18	02/25/25 14:27	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:27	1
Barium	**0.12**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:27	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:27	1
Boron	**1.3**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:27	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:27	1
Calcium	**42**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:27	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:27	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:27	1
Lead	**0.0047**		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:27	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:27	1
Magnesium	**16**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:27	1
Manganese	**0.055**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:27	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:27	1
Potassium	**1.7**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:27	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:27	1
Sodium	**69**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:27	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:27	1

Client Sample ID: SCH-SGWC-21

Lab Sample ID: 680-262130-15

Date Collected: 02/20/25 16:35

Matrix: Water

Date Received: 02/21/25 16:00

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		03/04/25 15:22	03/05/25 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**180**		5.0	2.2	mg/L			02/25/25 21:52	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**180**		5.0	2.2	mg/L			02/25/25 21:52	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 21:52	1
Total Dissolved Solids (SM 2540C-2011)	**380**		40	40	mg/L			02/26/25 14:17	1

Client Sample ID: SCH-PZ-17I

Lab Sample ID: 680-262130-16

Date Collected: 02/21/25 10:48

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**92**		5.0	2.0	mg/L			03/01/25 17:23	5
Fluoride	<0.20		0.50	0.20	mg/L			03/01/25 17:23	5
Chloride	**4.9**	**J**	5.0	1.0	mg/L			03/01/25 17:23	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		02/25/25 05:18	02/25/25 14:25	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:25	1
Barium	**0.060**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:25	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:25	1
Boron	**0.18**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:25	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:25	1
Calcium	**34**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:25	1
Chromium	**0.0032**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:25	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:25	1
Iron	<0.012		0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:25	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:25	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:25	1
Magnesium	**16**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:25	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:25	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:25	1
Potassium	**2.1**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:25	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:25	1
Sodium	**13**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:25	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 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		03/04/25 15:22	03/05/25 09:19	1

Client Sample ID: SCH-PZ-17I

Lab Sample ID: 680-262130-16

Date Collected: 02/21/25 10:48

Matrix: Water

Date Received: 02/21/25 16:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**60**		5.0	2.2	mg/L			02/25/25 21:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**60**		5.0	2.2	mg/L			02/25/25 21:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 21:33	1
Total Dissolved Solids (SM 2540C-2011)	**240**		40	40	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-AP1-EB-3

Lab Sample ID: 680-262130-17

Date Collected: 02/21/25 10:58

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			03/01/25 17:33	1
Fluoride	<0.040		0.10	0.040	mg/L			03/01/25 17:33	1
Chloride	<0.20		1.0	0.20	mg/L			03/01/25 17:33	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		02/25/25 05:18	02/25/25 12:50	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 12:50	1
Barium	<0.00089		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 12:50	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 12:50	1
Boron	<0.022		0.080	0.022	mg/L		02/25/25 05:18	02/26/25 14:25	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 12:50	1
Calcium	<0.14		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 12:50	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 12:50	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 12:50	1
Iron	**0.014**	**J**	0.10	0.012	mg/L		02/25/25 05:18	02/25/25 12:50	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 12:50	1
Lithium	**0.0033**	**J B**	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 12:50	1
Magnesium	<0.023		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 12:50	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 12:50	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 12:50	1
Potassium	<0.044		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 12:50	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 12:50	1
Sodium	<0.20		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 12:50	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 12:50	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		03/04/25 15:22	03/05/25 09:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:39	1

Client Sample ID: SCH-AP1-EB-3

Lab Sample ID: 680-262130-17

Date Collected: 02/21/25 10:58

Matrix: Water

Date Received: 02/21/25 16:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:39	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-PZ-41S

Lab Sample ID: 680-262130-18

Date Collected: 02/21/25 09:52

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**890**		25	10	mg/L			03/01/25 17:43	25
Fluoride	<1.0		2.5	1.0	mg/L			03/01/25 17:43	25
Chloride	**9.5**	**J**	25	5.0	mg/L			03/01/25 17:43	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		02/25/25 05:18	02/25/25 12:44	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 12:44	1
Barium	**0.024**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 12:44	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 12:44	1
Boron	**3.8**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 12:44	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 12:44	1
Calcium	**170**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 12:44	1
Chromium	**0.0059**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 12:44	1
Cobalt	**0.00022**	**J**	0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 12:44	1
Iron	**0.020**	**J**	0.10	0.012	mg/L		02/25/25 05:18	02/25/25 12:44	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 12:44	1
Lithium	**0.0057**	**B**	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 12:44	1
Magnesium	**68**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 12:44	1
Manganese	**0.0048**	**J**	0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 12:44	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 12:44	1
Potassium	**4.8**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 12:44	1
Selenium	**0.0051**		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 12:44	1
Sodium	**74**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 12:44	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 12:44	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		03/04/25 15:22	03/05/25 09:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**13**		5.0	2.2	mg/L			02/25/25 22:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**13**		5.0	2.2	mg/L			02/25/25 22:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 22:00	1
Total Dissolved Solids (SM 2540C-2011)	**1100**		40	40	mg/L			02/27/25 17:29	1

Client Sample ID: SCH-PZ-41S

Lab Sample ID: 680-262130-18

Date Collected: 02/21/25 09:52

Matrix: Water

Date Received: 02/21/25 16:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-AP1-FD-4

Lab Sample ID: 680-262130-19

Date Collected: 02/21/25 00:00

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**760**		100	40	mg/L			03/03/25 12:33	100
Fluoride	<0.040		0.10	0.040	mg/L			03/01/25 17:53	1
Chloride	**11**		1.0	0.20	mg/L			03/01/25 17:53	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		02/25/25 05:18	02/25/25 14:03	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:03	1
Barium	**0.023**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:03	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:03	1
Boron	**3.9**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 14:03	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:03	1
Calcium	**170**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:03	1
Chromium	**0.0062**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:03	1
Cobalt	**0.00028**	**J**	0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:03	1
Iron	**0.023**	**J**	0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:03	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:03	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:03	1
Magnesium	**67**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:03	1
Manganese	**0.0053**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:03	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:03	1
Potassium	**4.7**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:03	1
Selenium	**0.0044**	**J**	0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:03	1
Sodium	**73**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:03	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:03	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		03/04/25 15:22	03/05/25 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**13**		5.0	2.2	mg/L			02/25/25 21:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**13**		5.0	2.2	mg/L			02/25/25 21:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/25/25 21:25	1
Total Dissolved Solids (SM 2540C-2011)	**1100**		40	40	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWC-18

Lab Sample ID: 680-262130-20

Date Collected: 02/21/25 10:06

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**850**		50	20	mg/L			03/01/25 18:13	50
Fluoride	<2.0		5.0	2.0	mg/L			03/01/25 18:13	50
Chloride	<10		50	10	mg/L			03/01/25 18:13	50

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		02/25/25 05:18	02/25/25 14:01	1
Arsenic	**0.0012**		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 14:01	1
Barium	**0.0093**	**J**	0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 14:01	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 14:01	1
Boron	**5.5**		0.80	0.22	mg/L		02/25/25 05:18	02/26/25 14:27	10
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 14:01	1
Calcium	**37**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 14:01	1
Chromium	**0.0098**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 14:01	1
Cobalt	**0.058**		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 14:01	1
Iron	**0.071**	**J**	0.10	0.012	mg/L		02/25/25 05:18	02/25/25 14:01	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 14:01	1
Lithium	**0.0026**	**J**	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 14:01	1
Magnesium	**17**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 14:01	1
Manganese	**0.62**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 14:01	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 14:01	1
Potassium	**2.9**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 14:01	1
Selenium	**0.0031**	**J**	0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 14:01	1
Sodium	**340**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 14:01	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 14:01	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		03/04/25 15:22	03/05/25 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 01:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 01:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 01:01	1
Total Dissolved Solids (SM 2540C-2011)	**1100**		40	40	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Client Sample ID: SCH-SGWC-19

Lab Sample ID: 680-262130-21

Date Collected: 02/21/25 10:19

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**270**		25	10	mg/L			03/03/25 12:23	25
Fluoride	<0.080		0.20	0.080	mg/L			03/01/25 18:22	2
Chloride	**12**		2.0	0.40	mg/L			03/01/25 18:22	2

Client Sample ID: SCH-SGWC-19

Lab Sample ID: 680-262130-21

Date Collected: 02/21/25 10:19

Matrix: Water

Date Received: 02/21/25 16:00

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		02/25/25 05:18	02/25/25 13:51	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:51	1
Barium	**0.024**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:51	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:51	1
Boron	**2.0**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:51	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:51	1
Calcium	**43**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:51	1
Chromium	**0.015**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:51	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:51	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:51	1
Lithium	**0.016**		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:51	1
Magnesium	**22**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:51	1
Manganese	**0.034**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:51	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:51	1
Potassium	**2.8**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:51	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:51	1
Sodium	**56**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:51	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:51	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		03/04/25 15:22	03/05/25 09:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**11**		5.0	2.2	mg/L			02/26/25 00:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**11**		5.0	2.2	mg/L			02/26/25 00:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:55	1
Total Dissolved Solids (SM 2540C-2011)	**420**		40	40	mg/L			02/27/25 17:29	1

Client Sample ID: SCH-SGWC-23

Lab Sample ID: 680-262130-22

Date Collected: 02/21/25 10:35

Matrix: Water

Date Received: 02/21/25 16:00

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**52**		2.0	0.80	mg/L			03/01/25 19:21	2
Fluoride	<0.080		0.20	0.080	mg/L			03/01/25 19:21	2
Chloride	**8.0**		2.0	0.40	mg/L			03/01/25 19:21	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		02/25/25 05:18	02/25/25 13:45	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:45	1
Barium	**0.064**		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:45	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:45	1
Boron	**0.35**		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:45	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:45	1

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-SGWC-23
Date Collected: 02/21/25 10:35
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-22
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**19**		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:45	1
Chromium	**0.0022**		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:45	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:45	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:45	1
Lithium	**0.0051**		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:45	1
Magnesium	**10**		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:45	1
Manganese	**0.057**		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:45	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:45	1
Potassium	**1.5**		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:45	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:45	1
Sodium	**20**		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:45	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:45	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		03/04/25 15:20	03/05/25 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**60**		5.0	2.2	mg/L			02/26/25 00:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**60**		5.0	2.2	mg/L			02/26/25 00:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 00:47	1
Total Dissolved Solids (SM 2540C-2011)	**190**		40	40	mg/L			02/27/25 17:29	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-877352/2
Matrix: Water
Analysis Batch: 877352

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			02/28/25 11:15	1
Fluoride	<0.040		0.10	0.040	mg/L			02/28/25 11:15	1
Chloride	<0.20		1.0	0.20	mg/L			02/28/25 11:15	1

Lab Sample ID: LCS 680-877352/3
Matrix: Water
Analysis Batch: 877352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.66		mg/L		97	90 - 110
Fluoride	2.00	1.93		mg/L		96	90 - 110
Chloride	10.0	9.16		mg/L		92	90 - 110

Lab Sample ID: LCSD 680-877352/4
Matrix: Water
Analysis Batch: 877352

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
Sulfate	10.0	9.43		mg/L		94	90 - 110	2	15
Fluoride	2.00	1.89		mg/L		94	90 - 110	2	15
Chloride	10.0	9.03		mg/L		90	90 - 110	1	15

Lab Sample ID: 680-262130-3 MS
Matrix: Water
Analysis Batch: 877352

Client Sample ID: SCH-SGWA-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	<0.40	F1	10.0	4.22	F1	mg/L		42	80 - 120
Fluoride	<0.040	F1 F2	2.00	0.952	F1	mg/L		48	80 - 120
Chloride	1.9	F1	10.0	6.87	F1	mg/L		50	80 - 120

Lab Sample ID: 680-262130-3 MSD
Matrix: Water
Analysis Batch: 877352

Client Sample ID: SCH-SGWA-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	<0.40	F1	10.0	3.72	F1	mg/L		37	80 - 120	12	15
Fluoride	<0.040	F1 F2	2.00	0.797	F1 F2	mg/L		40	80 - 120	18	15
Chloride	1.9	F1	10.0	6.91	F1	mg/L		50	80 - 120	0	15

Lab Sample ID: MB 680-877431/2
Matrix: Water
Analysis Batch: 877431

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			03/01/25 12:05	1
Fluoride	<0.040		0.10	0.040	mg/L			03/01/25 12:05	1
Chloride	<0.20		1.0	0.20	mg/L			03/01/25 12:05	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-877431/3
Matrix: Water
Analysis Batch: 877431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	10.7		mg/L		107	90 - 110		
Fluoride			2.00	1.91		mg/L		95	90 - 110		
Chloride			10.0	9.66		mg/L		97	90 - 110		

Lab Sample ID: LCSD 680-877431/4
Matrix: Water
Analysis Batch: 877431

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
Sulfate			10.0	10.9		mg/L		109	90 - 110	2	15
Fluoride			2.00	2.03		mg/L		101	90 - 110	6	15
Chloride			10.0	10.3		mg/L		103	90 - 110	7	15

Lab Sample ID: 680-262088-B-4 MS
Matrix: Water
Analysis Batch: 877431

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		
Sulfate	55	F1	20.0	58.8	F1	mg/L		17	80 - 120		
Fluoride	<0.080	F1 F2	4.00	1.34	F1	mg/L		33	80 - 120		
Chloride	5.8	F1	20.0	12.6	F1	mg/L		34	80 - 120		

Lab Sample ID: 680-262088-B-4 MSD
Matrix: Water
Analysis Batch: 877431

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
Sulfate	55	F1	20.0	58.9	F1	mg/L		17	80 - 120	0	15
Fluoride	<0.080	F1 F2	4.00	1.61	F1 F2	mg/L		40	80 - 120	18	15
Chloride	5.8	F1	20.0	13.9	F1	mg/L		41	80 - 120	10	15

Lab Sample ID: 680-262176-H-1 MS
Matrix: Water
Analysis Batch: 877431

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		
Sulfate	40	F1	20.0	63.8	E F1	mg/L		121	80 - 120		
Fluoride	<0.040		4.00	3.54		mg/L		88	80 - 120		
Chloride	6.1		20.0	24.5	E	mg/L		92	80 - 120		

Lab Sample ID: 680-262176-H-1 MSD
Matrix: Water
Analysis Batch: 877431

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
Sulfate	40	F1	20.0	64.1	E F1	mg/L		123	80 - 120	1	15
Fluoride	<0.040		4.00	3.66		mg/L		91	80 - 120	3	15
Chloride	6.1		20.0	25.1	E	mg/L		95	80 - 120	2	15

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 680-877525/2
Matrix: Water
Analysis Batch: 877525

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			03/03/25 10:01	1
Fluoride	<0.040		0.10	0.040	mg/L			03/03/25 10:01	1
Chloride	<0.20		1.0	0.20	mg/L			03/03/25 10:01	1

Lab Sample ID: LCS 680-877525/3
Matrix: Water
Analysis Batch: 877525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.6		mg/L		106	90 - 110
Fluoride	2.00	1.85		mg/L		92	90 - 110
Chloride	10.0	9.94		mg/L		99	90 - 110

Lab Sample ID: LCSD 680-877525/4
Matrix: Water
Analysis Batch: 877525

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
Sulfate	10.0	10.6		mg/L		106	90 - 110	1	15
Fluoride	2.00	1.86		mg/L		93	90 - 110	1	15
Chloride	10.0	10.0		mg/L		100	90 - 110	1	15

Lab Sample ID: 680-262289-D-7 MS
Matrix: Water
Analysis Batch: 877525

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
Sulfate	20	F1	10.0	29.8		mg/L		94	80 - 120
Fluoride	<0.040	F1 F2	2.00	1.25	F1	mg/L		62	80 - 120
Chloride	26	E F1	10.0	32.2	E F1	mg/L		60	80 - 120

Lab Sample ID: 680-262289-D-7 MSD
Matrix: Water
Analysis Batch: 877525

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
Sulfate	20	F1	10.0	33.9	F1	mg/L		134	80 - 120	13	15
Fluoride	<0.040	F1 F2	2.00	1.77	F2	mg/L		89	80 - 120	35	15
Chloride	26	E F1	10.0	34.5	E	mg/L		83	80 - 120	7	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-876855/1-A
Matrix: Water
Analysis Batch: 877033

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/25/25 05:18	02/25/25 13:33	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 13:33	1
Barium	<0.00089		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 13:33	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-876855/1-A
Matrix: Water
Analysis Batch: 877033

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 13:33	1
Boron	<0.022		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 13:33	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 13:33	1
Calcium	<0.14		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 13:33	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 13:33	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 13:33	1
Iron	<0.012		0.10	0.012	mg/L		02/25/25 05:18	02/25/25 13:33	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 13:33	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 13:33	1
Magnesium	<0.023		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 13:33	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 13:33	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 13:33	1
Potassium	<0.044		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 13:33	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 13:33	1
Sodium	<0.20		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 13:33	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 13:33	1

Lab Sample ID: LCS 680-876855/2-A
Matrix: Water
Analysis Batch: 877033

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 876855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0476		mg/L		95	80 - 120
Arsenic	0.100	0.0998		mg/L		100	80 - 120
Barium	0.100	0.0984		mg/L		98	80 - 120
Beryllium	0.0500	0.0494		mg/L		99	80 - 120
Boron	0.400	0.379		mg/L		95	80 - 120
Cadmium	0.0500	0.0507		mg/L		101	80 - 120
Calcium	5.00	5.12		mg/L		102	80 - 120
Chromium	0.100	0.104		mg/L		104	80 - 120
Cobalt	0.0500	0.0457		mg/L		91	80 - 120
Iron	5.00	5.22		mg/L		104	80 - 120
Lead	0.500	0.507		mg/L		101	80 - 120
Lithium	0.500	0.504		mg/L		101	80 - 120
Magnesium	5.00	4.86		mg/L		97	80 - 120
Manganese	0.400	0.409		mg/L		102	80 - 120
Molybdenum	0.100	0.0951		mg/L		95	80 - 120
Potassium	7.00	7.41		mg/L		106	80 - 120
Selenium	0.100	0.0951		mg/L		95	80 - 120
Sodium	5.00	5.34		mg/L		107	80 - 120
Thallium	0.0500	0.0519		mg/L		104	80 - 120

Lab Sample ID: 680-262130-3 MS
Matrix: Water
Analysis Batch: 877033

Client Sample ID: SCH-SGWA-5
Prep Type: Total Recoverable
Prep Batch: 876855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0504		mg/L		101	75 - 125
Arsenic	<0.00086		0.100	0.108		mg/L		108	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-262130-3 MS
Matrix: Water
Analysis Batch: 877033

Client Sample ID: SCH-SGWA-5
Prep Type: Total Recoverable
Prep Batch: 876855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.014		0.100	0.118		mg/L		104	75 - 125
Beryllium	<0.00020		0.0500	0.0540		mg/L		108	75 - 125
Boron	0.023	J	0.400	0.421		mg/L		100	75 - 125
Cadmium	<0.000078		0.0500	0.0553		mg/L		111	75 - 125
Calcium	1.8		5.00	7.45		mg/L		112	75 - 125
Chromium	0.0016	J	0.100	0.112		mg/L		111	75 - 125
Cobalt	<0.00022		0.0500	0.0493		mg/L		99	75 - 125
Iron	<12		5.00	5.55		mg/L		111	75 - 125
Lead	<0.00021		0.500	0.538		mg/L		108	75 - 125
Lithium	0.0031	J	0.500	0.530		mg/L		105	75 - 125
Magnesium	0.61		5.00	5.82		mg/L		104	75 - 125
Manganese	0.0034	J	0.400	0.439		mg/L		109	75 - 125
Molybdenum	<0.00086		0.100	0.102		mg/L		102	75 - 125
Potassium	0.60		7.00	8.40		mg/L		111	75 - 125
Selenium	<0.00099		0.100	0.106		mg/L		106	75 - 125
Sodium	12		5.00	17.7		mg/L		123	75 - 125
Thallium	<0.00026		0.0500	0.0552		mg/L		110	75 - 125

Lab Sample ID: 680-262130-3 MSD
Matrix: Water
Analysis Batch: 877033

Client Sample ID: SCH-SGWA-5
Prep Type: Total Recoverable
Prep Batch: 876855

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0492		mg/L		98	75 - 125	2	20
Arsenic	<0.00086		0.100	0.106		mg/L		106	75 - 125	2	20
Barium	0.014		0.100	0.116		mg/L		101	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0521		mg/L		104	75 - 125	3	20
Boron	0.023	J	0.400	0.410		mg/L		97	75 - 125	3	20
Cadmium	<0.000078		0.0500	0.0544		mg/L		109	75 - 125	2	20
Calcium	1.8		5.00	7.22		mg/L		107	75 - 125	3	20
Chromium	0.0016	J	0.100	0.111		mg/L		109	75 - 125	1	20
Cobalt	<0.00022		0.0500	0.0486		mg/L		97	75 - 125	1	20
Iron	<12		5.00	5.52		mg/L		110	75 - 125	1	20
Lead	<0.00021		0.500	0.531		mg/L		106	75 - 125	1	20
Lithium	0.0031	J	0.500	0.524		mg/L		104	75 - 125	1	20
Magnesium	0.61		5.00	5.67		mg/L		101	75 - 125	3	20
Manganese	0.0034	J	0.400	0.435		mg/L		108	75 - 125	1	20
Molybdenum	<0.00086		0.100	0.100		mg/L		100	75 - 125	1	20
Potassium	0.60		7.00	8.26		mg/L		110	75 - 125	2	20
Selenium	<0.00099		0.100	0.108		mg/L		108	75 - 125	1	20
Sodium	12		5.00	17.2		mg/L		112	75 - 125	3	20
Thallium	<0.00026		0.0500	0.0545		mg/L		109	75 - 125	1	20

Lab Sample ID: MB 680-876856/1-A
Matrix: Water
Analysis Batch: 877033

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/25/25 05:18	02/25/25 12:40	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-876856/1-A
Matrix: Water
Analysis Batch: 877033

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 876856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/25/25 05:18	02/25/25 12:40	1
Barium	<0.00089		0.010	0.00089	mg/L		02/25/25 05:18	02/25/25 12:40	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/25/25 05:18	02/25/25 12:40	1
Boron	<0.022		0.080	0.022	mg/L		02/25/25 05:18	02/25/25 12:40	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/25/25 05:18	02/25/25 12:40	1
Calcium	<0.14		0.50	0.14	mg/L		02/25/25 05:18	02/25/25 12:40	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/25/25 05:18	02/25/25 12:40	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/25/25 05:18	02/25/25 12:40	1
Iron	<0.012		0.10	0.012	mg/L		02/25/25 05:18	02/25/25 12:40	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/25/25 05:18	02/25/25 12:40	1
Lithium	0.00261	J	0.0050	0.0020	mg/L		02/25/25 05:18	02/25/25 12:40	1
Magnesium	<0.023		0.50	0.023	mg/L		02/25/25 05:18	02/25/25 12:40	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/25/25 05:18	02/25/25 12:40	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/25/25 05:18	02/25/25 12:40	1
Potassium	<0.044		0.50	0.044	mg/L		02/25/25 05:18	02/25/25 12:40	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/25/25 05:18	02/25/25 12:40	1
Sodium	<0.20		0.50	0.20	mg/L		02/25/25 05:18	02/25/25 12:40	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/25/25 05:18	02/25/25 12:40	1

Lab Sample ID: LCS 680-876856/2-A
Matrix: Water
Analysis Batch: 877033

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 876856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0485		mg/L		97	80 - 120
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.100	0.0989		mg/L		99	80 - 120
Beryllium	0.0500	0.0526		mg/L		105	80 - 120
Boron	0.400	0.398		mg/L		99	80 - 120
Cadmium	0.0500	0.0515		mg/L		103	80 - 120
Calcium	5.00	5.27		mg/L		105	80 - 120
Chromium	0.100	0.104		mg/L		104	80 - 120
Cobalt	0.0500	0.0466		mg/L		93	80 - 120
Iron	5.00	5.20		mg/L		104	80 - 120
Lead	0.500	0.502		mg/L		100	80 - 120
Lithium	0.500	0.501		mg/L		100	80 - 120
Magnesium	5.00	4.82		mg/L		96	80 - 120
Manganese	0.400	0.408		mg/L		102	80 - 120
Molybdenum	0.100	0.0964		mg/L		96	80 - 120
Potassium	7.00	7.43		mg/L		106	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Sodium	5.00	5.56		mg/L		111	80 - 120
Thallium	0.0500	0.0516		mg/L		103	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 680-262130-18 MS
Matrix: Water
Analysis Batch: 877033

Client Sample ID: SCH-PZ-41S
Prep Type: Total Recoverable
Prep Batch: 876856

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0476		mg/L		95	75 - 125
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125
Barium	0.024		0.100	0.121		mg/L		97	75 - 125
Beryllium	<0.00020		0.0500	0.0505		mg/L		101	75 - 125
Boron	3.8		0.400	4.07	4	mg/L		62	75 - 125
Cadmium	<0.000078		0.0500	0.0506		mg/L		101	75 - 125
Calcium	170		5.00	170	4	mg/L		-63	75 - 125
Chromium	0.0059		0.100	0.108		mg/L		102	75 - 125
Cobalt	0.00022	J	0.0500	0.0457		mg/L		91	75 - 125
Iron	0.020	J	5.00	5.30		mg/L		106	75 - 125
Lead	<0.00021		0.500	0.497		mg/L		99	75 - 125
Lithium	0.0057	B	0.500	0.500		mg/L		99	75 - 125
Magnesium	68		5.00	69.7	4	mg/L		38	75 - 125
Manganese	0.0048	J	0.400	0.412		mg/L		102	75 - 125
Molybdenum	<0.00086		0.100	0.0969		mg/L		97	75 - 125
Potassium	4.8		7.00	12.4		mg/L		109	75 - 125
Selenium	0.0051		0.100	0.108		mg/L		103	75 - 125
Sodium	74		5.00	76.2	4	mg/L		38	75 - 125
Thallium	<0.00026		0.0500	0.0518		mg/L		104	75 - 125

Lab Sample ID: 680-262130-18 MSD
Matrix: Water
Analysis Batch: 877033

Client Sample ID: SCH-PZ-41S
Prep Type: Total Recoverable
Prep Batch: 876856

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0487		mg/L		97	75 - 125	2	20
Arsenic	<0.00086		0.100	0.104		mg/L		104	75 - 125	1	20
Barium	0.024		0.100	0.124		mg/L		101	75 - 125	3	20
Beryllium	<0.00020		0.0500	0.0496		mg/L		99	75 - 125	2	20
Boron	3.8		0.400	4.05	4	mg/L		57	75 - 125	0	20
Cadmium	<0.000078		0.0500	0.0526		mg/L		105	75 - 125	4	20
Calcium	170		5.00	170	4	mg/L		-50	75 - 125	0	20
Chromium	0.0059		0.100	0.110		mg/L		104	75 - 125	1	20
Cobalt	0.00022	J	0.0500	0.0472		mg/L		94	75 - 125	3	20
Iron	0.020	J	5.00	5.29		mg/L		105	75 - 125	0	20
Lead	<0.00021		0.500	0.509		mg/L		102	75 - 125	2	20
Lithium	0.0057	B	0.500	0.508		mg/L		100	75 - 125	2	20
Magnesium	68		5.00	69.5	4	mg/L		34	75 - 125	0	20
Manganese	0.0048	J	0.400	0.418		mg/L		103	75 - 125	1	20
Molybdenum	<0.00086		0.100	0.0995		mg/L		100	75 - 125	3	20
Potassium	4.8		7.00	12.4		mg/L		108	75 - 125	0	20
Selenium	0.0051		0.100	0.107		mg/L		102	75 - 125	1	20
Sodium	74		5.00	75.6	4	mg/L		26	75 - 125	1	20
Thallium	<0.00026		0.0500	0.0529		mg/L		106	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-877714/1-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/04/25 13:13	03/04/25 18:30	1

Lab Sample ID: LCS 680-877714/2-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00251		mg/L		100	80 - 120

Lab Sample ID: 680-262088-C-4-C MS
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 877714

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: 680-262088-C-4-D MSD
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 877714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00100		mg/L		100	80 - 120	1	20

Lab Sample ID: MB 680-877738/1-A
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/04/25 15:20	03/05/25 09:51	1

Lab Sample ID: LCS 680-877738/2-A
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00248		mg/L		99	80 - 120

Lab Sample ID: 680-262293-G-4-C MS
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 877738

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000820		mg/L		82	80 - 120

Lab Sample ID: 680-262293-G-4-D MSD
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 877738

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000986		mg/L		99	80 - 120	18	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-877742/1-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/04/25 15:22	03/05/25 08:46	1

Lab Sample ID: LCS 680-877742/2-A
Matrix: Water
Analysis Batch: 877813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877742

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00250	0.00244		mg/L		98	80 - 120		

Lab Sample ID: 680-262130-13 MS
Matrix: Water
Analysis Batch: 877813

Client Sample ID: SCH-SGWC-22
Prep Type: Total/NA
Prep Batch: 877742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.000080		0.00100	0.000885		mg/L		89	80 - 120		

Lab Sample ID: 680-262130-13 MSD
Matrix: Water
Analysis Batch: 877813

Client Sample ID: SCH-SGWC-22
Prep Type: Total/NA
Prep Batch: 877742

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000882		mg/L		88	80 - 120	0	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-877100/4
Matrix: Water
Analysis Batch: 877100

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 to pH 4.5	<2.2		5.0	2.2	mg/L			02/25/25 18:28	1
Bicarbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/25/25 18:28	1
Carbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/25/25 18:28	1

Lab Sample ID: LCS 680-877100/6
Matrix: Water
Analysis Batch: 877100

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 to pH 4.5			250	244		mg/L		98	90 - 112		

Lab Sample ID: LCSD 680-877100/31
Matrix: Water
Analysis Batch: 877100

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 to pH 4.5			250	250		mg/L		100	90 - 112	3	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: 680-262130-3 DU
Matrix: Water
Analysis Batch: 877100

Client Sample ID: SCH-SGWA-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	30			26.8		mg/L				10	30
Bicarbonate Alkalinity as CaCO3	30			26.8		mg/L				10	30
Carbonate Alkalinity as CaCO3	<2.2			<2.2		mg/L				NC	30

Lab Sample ID: MB 680-877104/4
Matrix: Water
Analysis Batch: 877104

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 to pH 4.5	<2.2		5.0	2.2	mg/L			02/25/25 23:43	1
Bicarbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/25/25 23:43	1
Carbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/25/25 23:43	1

Lab Sample ID: LCS 680-877104/6
Matrix: Water
Analysis Batch: 877104

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 to pH 4.5			250	248		mg/L		99	90 - 112		

Lab Sample ID: LCSD 680-877104/31
Matrix: Water
Analysis Batch: 877104

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 to pH 4.5			250	252		mg/L		101	90 - 112	1	30

Lab Sample ID: 680-262130-10 DU
Matrix: Water
Analysis Batch: 877104

Client Sample ID: SCH-AP1-FB-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3 to pH 4.5	<2.2			<2.2		mg/L				NC	30
Bicarbonate Alkalinity as CaCO3	<2.2			<2.2		mg/L				NC	30
Carbonate Alkalinity as CaCO3	<2.2			<2.2		mg/L				NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-877138/1
Matrix: Water
Analysis Batch: 877138

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			02/26/25 14:17	1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCS 680-877138/2
Matrix: Water
Analysis Batch: 877138

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 680-877138/3
Matrix: Water
Analysis Batch: 877138

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

Lab Sample ID: 680-262130-7 DU
Matrix: Water
Analysis Batch: 877138

Client Sample ID: SCH-SGWC-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	390			376		mg/L				4	5

Lab Sample ID: 680-262130-11 DU
Matrix: Water
Analysis Batch: 877138

Client Sample ID: SCH-PZ-42I
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	430			440		mg/L				3	5

Lab Sample ID: MB 680-877293/1
Matrix: Water
Analysis Batch: 877293

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			02/27/25 17:29	1

Lab Sample ID: LCS 680-877293/2
Matrix: Water
Analysis Batch: 877293

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 680-877293/3
Matrix: Water
Analysis Batch: 877293

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

Lab Sample ID: 680-262130-18 DU
Matrix: Water
Analysis Batch: 877293

Client Sample ID: SCH-PZ-41S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1100			1140		mg/L				0.4	5

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: 680-262130-19 DU
Matrix: Water
Analysis Batch: 877293

Client Sample ID: SCH-AP1-FD-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1100			1120		mg/L				0.9	5

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-876994/1-A
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 876994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<10		10	10	mg/L		02/25/25 15:24	02/25/25 16:54	1

Lab Sample ID: LCS 680-876994/2-A
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 876994

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			208	112		mg/L		54	50 - 150		

Lab Sample ID: LCSD 680-876994/3-A
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 876994

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			208	112		mg/L		54	50 - 150	1	50

Lab Sample ID: 680-262055-F-13-B MS
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<10	F1 F2	208	51.3	F1	mg/L		25	50 - 150		

Lab Sample ID: 680-262055-F-13-C MSD
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<10	F1 F2	208	123	F2	mg/L		59	50 - 150	82	50

Lab Sample ID: 680-262055-H-5-B DU
Matrix: Water
Analysis Batch: 877009

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 876994

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	<10			<10		mg/L				NC	50

HPLC/IC

Analysis Batch: 877352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total/NA	Water	300.0-1993 R2.1	
680-262130-2	SCH-SGWA-2	Total/NA	Water	300.0-1993 R2.1	
680-262130-3	SCH-SGWA-5	Total/NA	Water	300.0-1993 R2.1	
680-262130-4	SCH-SGWC-6	Total/NA	Water	300.0-1993 R2.1	
680-262130-5	SCH-SGWC-11	Total/NA	Water	300.0-1993 R2.1	
680-262130-6	SCH-SGWC-15	Total/NA	Water	300.0-1993 R2.1	
680-262130-7	SCH-SGWC-20	Total/NA	Water	300.0-1993 R2.1	
680-262130-8	SCH-SGWA-3	Total/NA	Water	300.0-1993 R2.1	
680-262130-9	SCH-AP1-EB-1	Total/NA	Water	300.0-1993 R2.1	
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	300.0-1993 R2.1	
680-262130-11	SCH-PZ-42I	Total/NA	Water	300.0-1993 R2.1	
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	300.0-1993 R2.1	
MB 680-877352/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877352/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877352/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262130-3 MS	SCH-SGWA-5	Total/NA	Water	300.0-1993 R2.1	
680-262130-3 MSD	SCH-SGWA-5	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 877431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-13	SCH-SGWC-22	Total/NA	Water	300.0-1993 R2.1	
680-262130-14	SCH-PZ-40I	Total/NA	Water	300.0-1993 R2.1	
680-262130-15	SCH-SGWC-21	Total/NA	Water	300.0-1993 R2.1	
680-262130-16	SCH-PZ-17I	Total/NA	Water	300.0-1993 R2.1	
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	300.0-1993 R2.1	
680-262130-18	SCH-PZ-41S	Total/NA	Water	300.0-1993 R2.1	
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	300.0-1993 R2.1	
680-262130-20	SCH-SGWC-18	Total/NA	Water	300.0-1993 R2.1	
680-262130-21	SCH-SGWC-19	Total/NA	Water	300.0-1993 R2.1	
680-262130-22	SCH-SGWC-23	Total/NA	Water	300.0-1993 R2.1	
MB 680-877431/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877431/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877431/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262088-B-4 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-262088-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	
680-262176-H-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-262176-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 877525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	300.0-1993 R2.1	
680-262130-21	SCH-SGWC-19	Total/NA	Water	300.0-1993 R2.1	
MB 680-877525/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877525/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877525/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262289-D-7 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-262289-D-7 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 876855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total Recoverable	Water	3005A	
680-262130-2	SCH-SGWA-2	Total Recoverable	Water	3005A	
680-262130-3	SCH-SGWA-5	Total Recoverable	Water	3005A	
680-262130-4	SCH-SGWC-6	Total Recoverable	Water	3005A	
680-262130-5	SCH-SGWC-11	Total Recoverable	Water	3005A	
680-262130-6	SCH-SGWC-15	Total Recoverable	Water	3005A	
680-262130-7	SCH-SGWC-20	Total Recoverable	Water	3005A	
680-262130-8	SCH-SGWA-3	Total Recoverable	Water	3005A	
680-262130-9	SCH-AP1-EB-1	Total Recoverable	Water	3005A	
680-262130-10	SCH-AP1-FB-2	Total Recoverable	Water	3005A	
680-262130-11	SCH-PZ-42I	Total Recoverable	Water	3005A	
680-262130-12	SCH-AP1-FB-4	Total Recoverable	Water	3005A	
680-262130-13	SCH-SGWC-22	Total Recoverable	Water	3005A	
680-262130-14	SCH-PZ-40I	Total Recoverable	Water	3005A	
680-262130-15	SCH-SGWC-21	Total Recoverable	Water	3005A	
680-262130-16	SCH-PZ-17I	Total Recoverable	Water	3005A	
680-262130-19	SCH-AP1-FD-4	Total Recoverable	Water	3005A	
680-262130-20	SCH-SGWC-18	Total Recoverable	Water	3005A	
680-262130-21	SCH-SGWC-19	Total Recoverable	Water	3005A	
680-262130-22	SCH-SGWC-23	Total Recoverable	Water	3005A	
MB 680-876855/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-876855/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-262130-3 MS	SCH-SGWA-5	Total Recoverable	Water	3005A	
680-262130-3 MSD	SCH-SGWA-5	Total Recoverable	Water	3005A	

Prep Batch: 876856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-17	SCH-AP1-EB-3	Total Recoverable	Water	3005A	
680-262130-18	SCH-PZ-41S	Total Recoverable	Water	3005A	
MB 680-876856/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-876856/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-262130-18 MS	SCH-PZ-41S	Total Recoverable	Water	3005A	
680-262130-18 MSD	SCH-PZ-41S	Total Recoverable	Water	3005A	

Analysis Batch: 877033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total Recoverable	Water	6020B	876855
680-262130-2	SCH-SGWA-2	Total Recoverable	Water	6020B	876855
680-262130-3	SCH-SGWA-5	Total Recoverable	Water	6020B	876855
680-262130-4	SCH-SGWC-6	Total Recoverable	Water	6020B	876855
680-262130-5	SCH-SGWC-11	Total Recoverable	Water	6020B	876855
680-262130-6	SCH-SGWC-15	Total Recoverable	Water	6020B	876855
680-262130-7	SCH-SGWC-20	Total Recoverable	Water	6020B	876855
680-262130-8	SCH-SGWA-3	Total Recoverable	Water	6020B	876855
680-262130-9	SCH-AP1-EB-1	Total Recoverable	Water	6020B	876855
680-262130-10	SCH-AP1-FB-2	Total Recoverable	Water	6020B	876855
680-262130-11	SCH-PZ-42I	Total Recoverable	Water	6020B	876855
680-262130-12	SCH-AP1-FB-4	Total Recoverable	Water	6020B	876855
680-262130-13	SCH-SGWC-22	Total Recoverable	Water	6020B	876855
680-262130-14	SCH-PZ-40I	Total Recoverable	Water	6020B	876855
680-262130-15	SCH-SGWC-21	Total Recoverable	Water	6020B	876855

Metals (Continued)

Analysis Batch: 877033 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-16	SCH-PZ-17I	Total Recoverable	Water	6020B	876855
680-262130-17	SCH-AP1-EB-3	Total Recoverable	Water	6020B	876856
680-262130-18	SCH-PZ-41S	Total Recoverable	Water	6020B	876856
680-262130-19	SCH-AP1-FD-4	Total Recoverable	Water	6020B	876855
680-262130-20	SCH-SGWC-18	Total Recoverable	Water	6020B	876855
680-262130-21	SCH-SGWC-19	Total Recoverable	Water	6020B	876855
680-262130-22	SCH-SGWC-23	Total Recoverable	Water	6020B	876855
MB 680-876855/1-A	Method Blank	Total Recoverable	Water	6020B	876855
MB 680-876856/1-A	Method Blank	Total Recoverable	Water	6020B	876856
LCS 680-876855/2-A	Lab Control Sample	Total Recoverable	Water	6020B	876855
LCS 680-876856/2-A	Lab Control Sample	Total Recoverable	Water	6020B	876856
680-262130-3 MS	SCH-SGWA-5	Total Recoverable	Water	6020B	876855
680-262130-3 MSD	SCH-SGWA-5	Total Recoverable	Water	6020B	876855
680-262130-18 MS	SCH-PZ-41S	Total Recoverable	Water	6020B	876856
680-262130-18 MSD	SCH-PZ-41S	Total Recoverable	Water	6020B	876856

Analysis Batch: 877192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-2	SCH-SGWA-2	Total Recoverable	Water	6020B	876855
680-262130-17	SCH-AP1-EB-3	Total Recoverable	Water	6020B	876856
680-262130-20	SCH-SGWC-18	Total Recoverable	Water	6020B	876855

Prep Batch: 877714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-11	SCH-PZ-42I	Total/NA	Water	7470A	
MB 680-877714/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877714/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262088-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262088-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 877738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-22	SCH-SGWC-23	Total/NA	Water	7470A	
MB 680-877738/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877738/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262293-G-4-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262293-G-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 877742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total/NA	Water	7470A	
680-262130-2	SCH-SGWA-2	Total/NA	Water	7470A	
680-262130-3	SCH-SGWA-5	Total/NA	Water	7470A	
680-262130-4	SCH-SGWC-6	Total/NA	Water	7470A	
680-262130-5	SCH-SGWC-11	Total/NA	Water	7470A	
680-262130-6	SCH-SGWC-15	Total/NA	Water	7470A	
680-262130-7	SCH-SGWC-20	Total/NA	Water	7470A	
680-262130-8	SCH-SGWA-3	Total/NA	Water	7470A	
680-262130-9	SCH-AP1-EB-1	Total/NA	Water	7470A	
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	7470A	
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 877742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-13	SCH-SGWC-22	Total/NA	Water	7470A	
680-262130-14	SCH-PZ-40I	Total/NA	Water	7470A	
680-262130-15	SCH-SGWC-21	Total/NA	Water	7470A	
680-262130-16	SCH-PZ-17I	Total/NA	Water	7470A	
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	7470A	
680-262130-18	SCH-PZ-41S	Total/NA	Water	7470A	
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	7470A	
680-262130-20	SCH-SGWC-18	Total/NA	Water	7470A	
680-262130-21	SCH-SGWC-19	Total/NA	Water	7470A	
MB 680-877742/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877742/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262130-13 MS	SCH-SGWC-22	Total/NA	Water	7470A	
680-262130-13 MSD	SCH-SGWC-22	Total/NA	Water	7470A	

Analysis Batch: 877813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-4	SCH-SGWC-6	Total/NA	Water	7470A	877742
680-262130-5	SCH-SGWC-11	Total/NA	Water	7470A	877742
680-262130-6	SCH-SGWC-15	Total/NA	Water	7470A	877742
680-262130-7	SCH-SGWC-20	Total/NA	Water	7470A	877742
680-262130-8	SCH-SGWA-3	Total/NA	Water	7470A	877742
680-262130-9	SCH-AP1-EB-1	Total/NA	Water	7470A	877742
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	7470A	877742
680-262130-11	SCH-PZ-42I	Total/NA	Water	7470A	877714
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	7470A	877742
680-262130-13	SCH-SGWC-22	Total/NA	Water	7470A	877742
680-262130-14	SCH-PZ-40I	Total/NA	Water	7470A	877742
680-262130-15	SCH-SGWC-21	Total/NA	Water	7470A	877742
680-262130-16	SCH-PZ-17I	Total/NA	Water	7470A	877742
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	7470A	877742
680-262130-18	SCH-PZ-41S	Total/NA	Water	7470A	877742
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	7470A	877742
680-262130-20	SCH-SGWC-18	Total/NA	Water	7470A	877742
MB 680-877714/1-A	Method Blank	Total/NA	Water	7470A	877714
MB 680-877742/1-A	Method Blank	Total/NA	Water	7470A	877742
LCS 680-877714/2-A	Lab Control Sample	Total/NA	Water	7470A	877714
LCS 680-877742/2-A	Lab Control Sample	Total/NA	Water	7470A	877742
680-262088-C-4-C MS	Matrix Spike	Total/NA	Water	7470A	877714
680-262088-C-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	877714
680-262130-13 MS	SCH-SGWC-22	Total/NA	Water	7470A	877742
680-262130-13 MSD	SCH-SGWC-22	Total/NA	Water	7470A	877742

Analysis Batch: 877845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total/NA	Water	7470A	877742
680-262130-2	SCH-SGWA-2	Total/NA	Water	7470A	877742
680-262130-3	SCH-SGWA-5	Total/NA	Water	7470A	877742
680-262130-21	SCH-SGWC-19	Total/NA	Water	7470A	877742
680-262130-22	SCH-SGWC-23	Total/NA	Water	7470A	877738
MB 680-877738/1-A	Method Blank	Total/NA	Water	7470A	877738
LCS 680-877738/2-A	Lab Control Sample	Total/NA	Water	7470A	877738

Metals (Continued)

Analysis Batch: 877845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262293-G-4-C MS	Matrix Spike	Total/NA	Water	7470A	877738
680-262293-G-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	877738

General Chemistry

Prep Batch: 876994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-5	SCH-SGWC-11	Total/NA	Water	9030B	
680-262130-6	SCH-SGWC-15	Total/NA	Water	9030B	
680-262130-7	SCH-SGWC-20	Total/NA	Water	9030B	
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	9030B	
680-262130-11	SCH-PZ-42I	Total/NA	Water	9030B	
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	9030B	
680-262130-14	SCH-PZ-40I	Total/NA	Water	9030B	
680-262130-16	SCH-PZ-17I	Total/NA	Water	9030B	
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	9030B	
680-262130-18	SCH-PZ-41S	Total/NA	Water	9030B	
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	9030B	
680-262130-20	SCH-SGWC-18	Total/NA	Water	9030B	
MB 680-876994/1-A	Method Blank	Total/NA	Water	9030B	
LCS 680-876994/2-A	Lab Control Sample	Total/NA	Water	9030B	
LCSD 680-876994/3-A	Lab Control Sample Dup	Total/NA	Water	9030B	
680-262055-F-13-B MS	Matrix Spike	Total/NA	Water	9030B	
680-262055-F-13-C MSD	Matrix Spike Duplicate	Total/NA	Water	9030B	
680-262055-H-5-B DU	Duplicate	Total/NA	Water	9030B	

Analysis Batch: 877009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-5	SCH-SGWC-11	Total/NA	Water	9034	876994
680-262130-6	SCH-SGWC-15	Total/NA	Water	9034	876994
680-262130-7	SCH-SGWC-20	Total/NA	Water	9034	876994
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	9034	876994
680-262130-11	SCH-PZ-42I	Total/NA	Water	9034	876994
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	9034	876994
680-262130-14	SCH-PZ-40I	Total/NA	Water	9034	876994
680-262130-16	SCH-PZ-17I	Total/NA	Water	9034	876994
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	9034	876994
680-262130-18	SCH-PZ-41S	Total/NA	Water	9034	876994
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	9034	876994
680-262130-20	SCH-SGWC-18	Total/NA	Water	9034	876994
MB 680-876994/1-A	Method Blank	Total/NA	Water	9034	876994
LCS 680-876994/2-A	Lab Control Sample	Total/NA	Water	9034	876994
LCSD 680-876994/3-A	Lab Control Sample Dup	Total/NA	Water	9034	876994
680-262055-F-13-B MS	Matrix Spike	Total/NA	Water	9034	876994
680-262055-F-13-C MSD	Matrix Spike Duplicate	Total/NA	Water	9034	876994
680-262055-H-5-B DU	Duplicate	Total/NA	Water	9034	876994

Analysis Batch: 877100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total/NA	Water	2320B-2011	
680-262130-2	SCH-SGWA-2	Total/NA	Water	2320B-2011	

General Chemistry (Continued)

Analysis Batch: 877100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-3	SCH-SGWA-5	Total/NA	Water	2320B-2011	
680-262130-4	SCH-SGWC-6	Total/NA	Water	2320B-2011	
680-262130-5	SCH-SGWC-11	Total/NA	Water	2320B-2011	
680-262130-6	SCH-SGWC-15	Total/NA	Water	2320B-2011	
680-262130-7	SCH-SGWC-20	Total/NA	Water	2320B-2011	
680-262130-8	SCH-SGWA-3	Total/NA	Water	2320B-2011	
680-262130-9	SCH-AP1-EB-1	Total/NA	Water	2320B-2011	
680-262130-11	SCH-PZ-42I	Total/NA	Water	2320B-2011	
680-262130-15	SCH-SGWC-21	Total/NA	Water	2320B-2011	
680-262130-16	SCH-PZ-17I	Total/NA	Water	2320B-2011	
680-262130-18	SCH-PZ-41S	Total/NA	Water	2320B-2011	
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	2320B-2011	
MB 680-877100/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-877100/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-877100/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-262130-3 DU	SCH-SGWA-5	Total/NA	Water	2320B-2011	

Analysis Batch: 877104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	2320B-2011	
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	2320B-2011	
680-262130-13	SCH-SGWC-22	Total/NA	Water	2320B-2011	
680-262130-14	SCH-PZ-40I	Total/NA	Water	2320B-2011	
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	2320B-2011	
680-262130-20	SCH-SGWC-18	Total/NA	Water	2320B-2011	
680-262130-21	SCH-SGWC-19	Total/NA	Water	2320B-2011	
680-262130-22	SCH-SGWC-23	Total/NA	Water	2320B-2011	
MB 680-877104/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-877104/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-877104/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-262130-10 DU	SCH-AP1-FB-2	Total/NA	Water	2320B-2011	

Analysis Batch: 877138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total/NA	Water	2540C-2011	
680-262130-2	SCH-SGWA-2	Total/NA	Water	2540C-2011	
680-262130-3	SCH-SGWA-5	Total/NA	Water	2540C-2011	
680-262130-4	SCH-SGWC-6	Total/NA	Water	2540C-2011	
680-262130-5	SCH-SGWC-11	Total/NA	Water	2540C-2011	
680-262130-6	SCH-SGWC-15	Total/NA	Water	2540C-2011	
680-262130-7	SCH-SGWC-20	Total/NA	Water	2540C-2011	
680-262130-8	SCH-SGWA-3	Total/NA	Water	2540C-2011	
680-262130-9	SCH-AP1-EB-1	Total/NA	Water	2540C-2011	
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	2540C-2011	
680-262130-11	SCH-PZ-42I	Total/NA	Water	2540C-2011	
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	2540C-2011	
680-262130-13	SCH-SGWC-22	Total/NA	Water	2540C-2011	
680-262130-14	SCH-PZ-40I	Total/NA	Water	2540C-2011	
680-262130-15	SCH-SGWC-21	Total/NA	Water	2540C-2011	
MB 680-877138/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-877138/2	Lab Control Sample	Total/NA	Water	2540C-2011	

General Chemistry (Continued)

Analysis Batch: 877138 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-877138/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-262130-7 DU	SCH-SGWC-20	Total/NA	Water	2540C-2011	
680-262130-11 DU	SCH-PZ-42I	Total/NA	Water	2540C-2011	

Analysis Batch: 877293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-16	SCH-PZ-17I	Total/NA	Water	2540C-2011	
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	2540C-2011	
680-262130-18	SCH-PZ-41S	Total/NA	Water	2540C-2011	
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	2540C-2011	
680-262130-20	SCH-SGWC-18	Total/NA	Water	2540C-2011	
680-262130-21	SCH-SGWC-19	Total/NA	Water	2540C-2011	
680-262130-22	SCH-SGWC-23	Total/NA	Water	2540C-2011	
MB 680-877293/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-877293/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-877293/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-262130-18 DU	SCH-PZ-41S	Total/NA	Water	2540C-2011	
680-262130-19 DU	SCH-AP1-FD-4	Total/NA	Water	2540C-2011	

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-SGWA-1

Lab Sample ID: 680-262130-1

Date Collected: 02/20/25 11:59

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 14:20	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:59	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 09:49	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 20:06	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWA-2

Lab Sample ID: 680-262130-2

Date Collected: 02/20/25 14:11

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 14:30	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:05	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877192	02/26/25 14:29	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 09:44	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 21:17	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWA-5

Lab Sample ID: 680-262130-3

Date Collected: 02/20/25 11:20

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 15:22	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:37	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-SGWA-5

Lab Sample ID: 680-262130-3

Date Collected: 02/20/25 11:20

Matrix: Water

Date Received: 02/21/25 16:00

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	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 09:42	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 20:36	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-6

Lab Sample ID: 680-262130-4

Date Collected: 02/20/25 11:27

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 15:51	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:07	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:05	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 21:09	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-11

Lab Sample ID: 680-262130-5

Date Collected: 02/20/25 10:45

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 16:01	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:15	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 08:58	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 19:59	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-SGWC-11

Lab Sample ID: 680-262130-5

Date Collected: 02/20/25 10:45

Matrix: Water

Date Received: 02/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWC-15

Lab Sample ID: 680-262130-6

Date Collected: 02/20/25 10:35

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 16:11	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:09	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:07	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 19:51	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 680-262130-7

Date Collected: 02/20/25 11:08

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 16:21	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:19	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:00	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 19:45	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWA-3

Lab Sample ID: 680-262130-8

Date Collected: 02/20/25 14:33

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 16:30	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:57	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:02	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 20:54	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-EB-1

Lab Sample ID: 680-262130-9

Date Collected: 02/20/25 12:33

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 16:40	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:43	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:14	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 20:59	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FB-2

Lab Sample ID: 680-262130-10

Date Collected: 02/20/25 11:00

Matrix: Water

Date Received: 02/21/25 16:00

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	877352	02/28/25 16:50	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:23	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:26	BJB	EET SAV
	Instrument ID: QuickTrace3									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-AP1-FB-2

Lab Sample ID: 680-262130-10
Date Collected: 02/20/25 11:00
Matrix: Water
Date Received: 02/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 00:06	PG	EET SAV
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-PZ-42I

Lab Sample ID: 680-262130-11
Date Collected: 02/20/25 14:00
Matrix: Water
Date Received: 02/21/25 16:00

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	877352	02/28/25 17:00	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:55	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877714	03/04/25 13:18	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/04/25 19:31	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 21:42	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-AP1-FB-4

Lab Sample ID: 680-262130-12
Date Collected: 02/20/25 14:45
Matrix: Water
Date Received: 02/21/25 16:00

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	877352	02/28/25 17:09	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:53	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:35	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 00:33	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-AP1-FB-4

Lab Sample ID: 680-262130-12

Date Collected: 02/20/25 14:45
Matrix: Water
Date Received: 02/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWC-22

Lab Sample ID: 680-262130-13

Date Collected: 02/20/25 15:05
Matrix: Water
Date Received: 02/21/25 16:00

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	877431	03/01/25 16:54	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:21	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 08:51	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 00:20	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-40I

Lab Sample ID: 680-262130-14

Date Collected: 02/20/25 15:09
Matrix: Water
Date Received: 02/21/25 16:00

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	5 mL	5 mL	877431	03/01/25 17:04	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:17	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:16	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 00:28	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWC-21

Lab Sample ID: 680-262130-15

Date Collected: 02/20/25 16:35

Matrix: Water

Date Received: 02/21/25 16:00

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	877431	03/01/25 17:14	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:23	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 21:52	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877138	02/26/25 14:17	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-17I

Lab Sample ID: 680-262130-16

Date Collected: 02/21/25 10:48

Matrix: Water

Date Received: 02/21/25 16:00

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	877431	03/01/25 17:23	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:19	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 21:33	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-AP1-EB-3

Lab Sample ID: 680-262130-17

Date Collected: 02/21/25 10:58

Matrix: Water

Date Received: 02/21/25 16:00

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	877431	03/01/25 17:33	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876856	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 12:50	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-AP1-EB-3

Lab Sample ID: 680-262130-17
Date Collected: 02/21/25 10:58
Matrix: Water
Date Received: 02/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	876856	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877192	02/26/25 14:25	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:21	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 00:39	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-PZ-41S

Lab Sample ID: 680-262130-18
Date Collected: 02/21/25 09:52
Matrix: Water
Date Received: 02/21/25 16:00

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	5 mL	5 mL	877431	03/01/25 17:43	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876856	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 12:44	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:30	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 22:00	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-AP1-FD-4

Lab Sample ID: 680-262130-19
Date Collected: 02/21/25 00:00
Matrix: Water
Date Received: 02/21/25 16:00

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	877431	03/01/25 17:53	AF	EET SAV
	Instrument ID: CICP									
Total/NA	Analysis	300.0-1993 R2.1		100	5 mL	5 mL	877525	03/03/25 12:33	AF	EET SAV
	Instrument ID: CICP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-AP1-FD-4

Lab Sample ID: 680-262130-19

Date Collected: 02/21/25 00:00
Matrix: Water
Date Received: 02/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:03	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:33	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877100	02/25/25 21:25	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWC-18

Lab Sample ID: 680-262130-20

Date Collected: 02/21/25 10:06
Matrix: Water
Date Received: 02/21/25 16:00

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	5 mL	5 mL	877431	03/01/25 18:13	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 14:01	BWR	EET SAV
	Instrument ID: ICPMSG									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		10			877192	02/26/25 14:27	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877813	03/05/25 09:28	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 01:01	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	876994	02/25/25 15:24	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877009	02/25/25 16:54	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-SGWC-19

Lab Sample ID: 680-262130-21

Date Collected: 02/21/25 10:19
Matrix: Water
Date Received: 02/21/25 16:00

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	877431	03/01/25 18:22	AF	EET SAV
	Instrument ID: CICP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

Client Sample ID: SCH-SGWC-19

Lab Sample ID: 680-262130-21

Date Collected: 02/21/25 10:19

Matrix: Water

Date Received: 02/21/25 16:00

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	5 mL	5 mL	877525	03/03/25 12:23	AF	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:51	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877742	03/04/25 15:22	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 09:47	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 00:55	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-23

Lab Sample ID: 680-262130-22

Date Collected: 02/21/25 10:35

Matrix: Water

Date Received: 02/21/25 16:00

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	877431	03/01/25 19:21	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	876855	02/25/25 05:18	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877033	02/25/25 13:45	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877738	03/04/25 15:20	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 10:24	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877104	02/26/25 00:47	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	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: 680-262130-1
Project/Site: CCR - Plant Scherer 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: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-1

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
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	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 Phone (912) 352-0165

Chain of Custody Record

eurofins

Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 3
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify), Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D Chloride, Fluoride, Sulfate	2540C Solids, Total Dissolved (TDS)	6020B App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 Sulfide	2320B Alkalinity, Total, Carb/Bicarb	9315_Ra226 Radium 226	9320_Ra228 Radium 228	Ra226Ra228_GFPC Combined Radium 226 and 228	6020B Fe				Total Number of containers
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D				
SCH-SGWA-1 Loc 680 262130	2/20/25	11 59	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWA-2	2/20/25	14 11	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWA-5	2/20/25	11.20	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWC-6	2/20/25	11:27	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWC-11	2/20/25	10:45	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-SGWC-15	2/20/25	10:35	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-SGWC-20	2/20/25	11 08	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-SGWA-3	2/20/25	14:33	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-EB-1	2/20/25	12.33	G	WQ	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FB-2	2/20/25	11 00	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-PZ-42I	2/20/25	14.00	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8

680-262130 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	Dawn Prell	2/21/25 1245	WSP	Jake Stucky	2/21/25 1245	WSP
2	Jake Stucky	2/21/25 1302	WSP	Amanda Linear	2/21/25 13:02	C.NOW
3					2/21/25 1600	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 1.2/1.2 0.1/0.1 1.5/1.5 0.4/0.4

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

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environment Testing

Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 2 of 3
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

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)	300_ORGFM_28D Chloride, Fluoride, Sulfate	2540C Solids, Total Dissolved (TDS)	6020B App III and IV metals w/ Mg, Mn, Na, K	7470A App IV Mercury	9034 Sulfide	2320B Alkalinity, Total, Carb/Bicarb	9315_Ra226 Radium 226	9320_Ra228 Radium 228	Ra226Ra228_GFPC Combined Radium 226 and 228	6020B Fe				Total Number of containers	
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D					
SCH-AP1-FB-4	2/20/25	14.45	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-SGWC-22	2/20/25	15:05	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-PZ-40I	2/20/25	15 09	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				10	Extra Rads
SCH-SGWC-21	2/20/25	16:35	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-PZ-17I	2/21/25	10:48	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-AP1-EB-3	2/21/25	10:58	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-PZ-41S	2/21/25	9·52	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-AP1-FD-4	2/21/25	-	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-SGWC-18	2/21/25	10·06	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-SGWC-19	2/21/25	10·19	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-23	2/21/25	10.35	G	WG	N	N	X	X	X	X		X	X	X	X					6	

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	[signature]	2/21/25 1245	WSP	2/21/25 1245	2/21/25 1245	WSP
2	Jake Stucky	2/21/25	WSP	Miranda Linear	2/21/25 13:02	CMW
3						

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 1.1/1.1 2.6/2.6 3.6/3.6 2.3/2.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262130-1

Login Number: 262130
List Number: 1
Creator: Faught, Timothy

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: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 4/23/2025 1:13:14 PM Revision 1

JOB DESCRIPTION

CCR - Plant Scherer Ash Pond

JOB NUMBER

680-262130-2

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

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 Southeast, LLC Project Manager.

Authorization



Generated
4/23/2025 1:13:14 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: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

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
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262130-1	SCH-SGWA-1	Water	02/20/25 11:59	02/21/25 16:00
680-262130-2	SCH-SGWA-2	Water	02/20/25 14:11	02/21/25 16:00
680-262130-3	SCH-SGWA-5	Water	02/20/25 11:20	02/21/25 16:00
680-262130-4	SCH-SGWC-6	Water	02/20/25 11:27	02/21/25 16:00
680-262130-5	SCH-SGWC-11	Water	02/20/25 10:45	02/21/25 16:00
680-262130-6	SCH-SGWC-15	Water	02/20/25 10:35	02/21/25 16:00
680-262130-7	SCH-SGWC-20	Water	02/20/25 11:08	02/21/25 16:00
680-262130-8	SCH-SGWA-3	Water	02/20/25 14:33	02/21/25 16:00
680-262130-9	SCH-AP1-EB-1	Water	02/20/25 12:33	02/21/25 16:00
680-262130-10	SCH-AP1-FB-2	Water	02/20/25 11:00	02/21/25 16:00
680-262130-11	SCH-PZ-42I	Water	02/20/25 14:00	02/21/25 16:00
680-262130-12	SCH-AP1-FB-4	Water	02/20/25 14:45	02/21/25 16:00
680-262130-13	SCH-SGWC-22	Water	02/20/25 15:05	02/21/25 16:00
680-262130-14	SCH-PZ-40I	Water	02/20/25 15:09	02/21/25 16:00
680-262130-15	SCH-SGWC-21	Water	02/20/25 16:35	02/21/25 16:00
680-262130-16	SCH-PZ-17I	Water	02/21/25 10:48	02/21/25 16:00
680-262130-17	SCH-AP1-EB-3	Water	02/21/25 10:58	02/21/25 16:00
680-262130-18	SCH-PZ-41S	Water	02/21/25 09:52	02/21/25 16:00
680-262130-19	SCH-AP1-FD-4	Water	02/21/25 00:00	02/21/25 16:00
680-262130-20	SCH-SGWC-18	Water	02/21/25 10:06	02/21/25 16:00
680-262130-21	SCH-SGWC-19	Water	02/21/25 10:19	02/21/25 16:00
680-262130-22	SCH-SGWC-23	Water	02/21/25 10:35	02/21/25 16:00

Job ID: 680-262130-2 — Eurofins Savannah

Job Narrative
680-262130-2

Revision 1
The report being provided is a revision of the original report sent on 4/22/2025. The report (revision 1) is being revised in order to link the Chain of Custody (COC) to this -2 report.

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 2/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.4°C, 0.7°C, 1.1°C, 1.2°C, 1.5°C, 2.3°C, 2.6°C and 3.6°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium-228 batch 705316
The MDC for the following sample(s) is flagged as failing; however, the MDC met the detection goal (requested limit) based on our in House policy for rounding. The laboratory considers the detection goal met when rounding to the appropriate place value.
SCH-AP1-FD-4 (680-262130-19)

Method 9320_Ra228: Radium 228 batch 705316
The LCS recovered at (74%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%) per method requirements. The LCS passes, no further action is required (LCS 160-705316/2-A)

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: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-SGWA-1

Lab Sample ID: 680-262130-1

Date Collected: 02/20/25 11:59
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0835	U	0.0777	0.0780	1.00	0.119	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	0.187	U	0.295	0.296	1.00	0.505	pCi/L	02/27/25 07:31	03/19/25 14:15	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.3*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*1*
Y Carrier	*78.5*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:15*	*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	0.271	U	0.305	0.306	5.00	0.505	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWA-2

Lab Sample ID: 680-262130-2

Date Collected: 02/20/25 14:11
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0855	U	0.0889	0.0893	1.00	0.142	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	**0.629**		0.385	0.389	1.00	0.561	pCi/L	02/27/25 07:31	03/19/25 14:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:24*	*1*
Y Carrier	*78.5*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:24*	*1*

Client Sample ID: SCH-SGWA-2

Lab Sample ID: 680-262130-2
Date Collected: 02/20/25 14:11
Matrix: Water
Date Received: 02/21/25 16:00

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	0.715		0.395	0.399	5.00	0.561	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWA-5

Lab Sample ID: 680-262130-3
Date Collected: 02/20/25 11:20
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0193	U	0.0615	0.0616	1.00	0.136	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	0.674		0.433	0.438	1.00	0.645	pCi/L	02/27/25 07:31	03/19/25 14:24	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.7*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:24*	*1*
Y Carrier	*75.9*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:24*	*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	0.654		0.437	0.442	5.00	0.645	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWC-6

Lab Sample ID: 680-262130-4
Date Collected: 02/20/25 11:27
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0432	U	0.0755	0.0756	1.00	0.132	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*1*

Client Sample ID: SCH-SGWC-6

Lab Sample ID: 680-262130-4

Date Collected: 02/20/25 11:27

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.228	U	0.339	0.339	1.00	0.572	pCi/L	02/27/25 07:31	03/19/25 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*
Y Carrier	*79.3*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*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	0.271	U	0.347	0.347	5.00	0.572	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWC-11

Lab Sample ID: 680-262130-5

Date Collected: 02/20/25 10:45

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0517	U	0.0711	0.0712	1.00	0.120	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	0.336	U	0.382	0.384	1.00	0.627	pCi/L	02/27/25 07:31	03/19/25 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.0*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*
Y Carrier	*74.8*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*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	0.388	U	0.389	0.391	5.00	0.627	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWC-15

Lab Sample ID: 680-262130-6

Date Collected: 02/20/25 10:35

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00988	U	0.0575	0.0575	1.00	0.124	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	0.595	U	0.421	0.425	1.00	0.639	pCi/L	02/27/25 07:31	03/19/25 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*
Y Carrier	*73.6*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*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	0.586	U	0.425	0.429	5.00	0.639	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 680-262130-7

Date Collected: 02/20/25 11:08

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0144	U	0.0799	0.0799	1.00	0.162	pCi/L	02/27/25 07:27	03/26/25 07:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:26*	*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	0.233	U	0.367	0.368	1.00	0.624	pCi/L	02/27/25 07:31	03/19/25 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.2*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*
Y Carrier	*78.9*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 680-262130-7
Date Collected: 02/20/25 11:08
Matrix: Water
Date Received: 02/21/25 16:00

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	0.218	U	0.376	0.377	5.00	0.624	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWA-3

Lab Sample ID: 680-262130-8
Date Collected: 02/20/25 14:33
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0745	U	0.0749	0.0752	1.00	0.117	pCi/L	02/27/25 07:27	03/26/25 09:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:12*	*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	0.162	U	0.314	0.314	1.00	0.545	pCi/L	02/27/25 07:31	03/19/25 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.9*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*
Y Carrier	*80.0*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*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	0.237	U	0.323	0.323	5.00	0.545	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-AP1-EB-1

Lab Sample ID: 680-262130-9
Date Collected: 02/20/25 12:33
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0292	U	0.0629	0.0630	1.00	0.115	pCi/L	02/27/25 07:27	03/26/25 09:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:12*	*1*

Client Sample ID: SCH-AP1-EB-1

Lab Sample ID: 680-262130-9

Date Collected: 02/20/25 12:33

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.287	U	0.333	0.334	1.00	0.547	pCi/L	02/27/25 07:31	03/19/25 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.4*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*
Y Carrier	*78.1*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*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	0.316	U	0.339	0.340	5.00	0.547	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-AP1-FB-2

Lab Sample ID: 680-262130-10

Date Collected: 02/20/25 11:00

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00744	U	0.0551	0.0551	1.00	0.119	pCi/L	02/27/25 07:27	03/26/25 09:12	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:12*	*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	-0.407	U	0.323	0.325	1.00	0.699	pCi/L	02/27/25 07:31	03/19/25 14:25	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:25*	*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	-0.414	U	0.328	0.330	5.00	0.699	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-PZ-42I

Date Collected: 02/20/25 14:00
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-11
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.0925	0.0930	1.00	0.140	pCi/L	02/27/25 07:27	03/26/25 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:13*	*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	**1.24**		0.458	0.472	1.00	0.583	pCi/L	02/27/25 07:31	03/19/25 14:19	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.0*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:19*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/27/25 07:31*	*03/19/25 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	**1.35**		0.467	0.481	5.00	0.583	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-AP1-FB-4

Date Collected: 02/20/25 14:45
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-12
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00169	U	0.0641	0.0641	1.00	0.132	pCi/L	02/27/25 07:27	03/26/25 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:13*	*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	0.210	U	0.349	0.349	1.00	0.595	pCi/L	02/27/25 07:31	03/19/25 14:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:20*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:20*	*1*

Client Sample ID: SCH-AP1-FB-4

Lab Sample ID: 680-262130-12
Date Collected: 02/20/25 14:45
Matrix: Water
Date Received: 02/21/25 16:00

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	0.208	U	0.355	0.355	5.00	0.595	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWC-22

Lab Sample ID: 680-262130-13
Date Collected: 02/20/25 15:05
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.109	U	0.0890	0.0896	1.00	0.133	pCi/L	02/27/25 07:27	03/26/25 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:13*	*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	-0.0364	U	0.291	0.291	1.00	0.555	pCi/L	02/27/25 07:31	03/19/25 14:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.6*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:20*	*1*
Y Carrier	*77.4*		*30 - 110*	*02/27/25 07:31*	*03/19/25 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	0.0727	U	0.304	0.304	5.00	0.555	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-PZ-40I

Lab Sample ID: 680-262130-14
Date Collected: 02/20/25 15:09
Matrix: Water
Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0862	U	0.0735	0.0740	1.00	0.109	pCi/L	02/27/25 07:27	03/26/25 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:13*	*1*

Client Sample ID: SCH-PZ-40I

Date Collected: 02/20/25 15:09
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-14
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	0.277	U	0.298	0.300	1.00	0.484	pCi/L	02/27/25 07:31	03/19/25 14:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:20*	*1*
Y Carrier	*79.6*		*30 - 110*	*02/27/25 07:31*	*03/19/25 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	0.363	U	0.307	0.309	5.00	0.484	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-SGWC-21

Date Collected: 02/20/25 16:35
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-15
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.165**		0.108	0.109	1.00	0.155	pCi/L	02/27/25 07:27	03/26/25 09:13	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*02/27/25 07:27*	*03/26/25 09:13*	*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	0.438	U	0.402	0.404	1.00	0.642	pCi/L	02/27/25 07:31	03/19/25 14:20	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.9*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:20*	*1*
Y Carrier	*78.5*		*30 - 110*	*02/27/25 07:31*	*03/19/25 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	0.603	U	0.416	0.418	5.00	0.642	pCi/L		03/26/25 13:08	1

Client Sample ID: SCH-PZ-17I

Lab Sample ID: 680-262130-16

Date Collected: 02/21/25 10:48

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0288	U	0.0482	0.0483	1.00	0.0852	pCi/L	03/28/25 07:36	04/21/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.5*		*30 - 110*	*03/28/25 07:36*	*04/21/25 09:54*	*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	-0.322	U	0.301	0.303	1.00	0.685	pCi/L	02/28/25 08:15	03/20/25 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:17*	*1*
Y Carrier	*80.4*		*30 - 110*	*02/28/25 08:15*	*03/20/25 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	-0.293	U	0.305	0.307	5.00	0.685	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-AP1-EB-3

Lab Sample ID: 680-262130-17

Date Collected: 02/21/25 10:58

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00148	U	0.0493	0.0493	1.00	0.104	pCi/L	03/28/25 07:36	04/21/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*75.8*		*30 - 110*	*03/28/25 07:36*	*04/21/25 09:54*	*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	0.344	U	0.410	0.411	1.00	0.675	pCi/L	02/28/25 08:15	03/20/25 14:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*83.2*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:17*	*1*
Y Carrier	*83.0*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:17*	*1*

Client Sample ID: SCH-AP1-EB-3

Lab Sample ID: 680-262130-17

Date Collected: 02/21/25 10:58

Matrix: Water

Date Received: 02/21/25 16:00

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	0.343	U	0.413	0.414	5.00	0.675	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-PZ-41S

Lab Sample ID: 680-262130-18

Date Collected: 02/21/25 09:52

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00170	U	0.0643	0.0643	1.00	0.132	pCi/L	03/28/25 07:36	04/21/25 09:54	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.1*		*30 - 110*	*03/28/25 07:36*	*04/21/25 09:54*	*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	0.459	U	0.490	0.492	1.00	0.797	pCi/L	02/28/25 08:15	03/20/25 14:26	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*81.7*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:26*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:26*	*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	0.457	U	0.494	0.496	5.00	0.797	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-AP1-FD-4

Lab Sample ID: 680-262130-19

Date Collected: 02/21/25 00:00

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0343	U	0.0532	0.0533	1.00	0.0923	pCi/L	03/28/25 07:36	04/21/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.8*		*30 - 110*	*03/28/25 07:36*	*04/21/25 09:55*	*1*

Client Sample ID: SCH-AP1-FD-4

Lab Sample ID: 680-262130-19

Date Collected: 02/21/25 00:00

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.231	U G	0.581	0.582	1.00	1.02	pCi/L	02/28/25 08:15	03/20/25 14:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*71.5*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:27*	*1*
Y Carrier	*74.4*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:27*	*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	0.265	U	0.583	0.584	5.00	1.02	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-SGWC-18

Lab Sample ID: 680-262130-20

Date Collected: 02/21/25 10:06

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0163	U	0.0570	0.0570	1.00	0.108	pCi/L	03/28/25 07:36	04/21/25 09:55	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*82.6*		*30 - 110*	*03/28/25 07:36*	*04/21/25 09:55*	*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	-0.0224	U	0.381	0.381	1.00	0.716	pCi/L	02/28/25 08:15	03/20/25 14:27	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.2*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:27*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/28/25 08:15*	*03/20/25 14:27*	*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	-0.00614	U	0.385	0.385	5.00	0.716	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-SGWC-19

Lab Sample ID: 680-262130-21

Date Collected: 02/21/25 10:19

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0409	U	0.0516	0.0518	1.00	0.137	pCi/L	02/28/25 08:02	03/27/25 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*30 - 110*	*02/28/25 08:02*	*03/27/25 07:43*	*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	-0.279	U	0.332	0.333	1.00	0.714	pCi/L	02/28/25 08:05	03/20/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.0*		*30 - 110*	*02/28/25 08:05*	*03/20/25 12:28*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/28/25 08:05*	*03/20/25 12:28*	*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	-0.320	U	0.336	0.337	5.00	0.714	pCi/L		03/27/25 14:21	1

Client Sample ID: SCH-SGWC-23

Lab Sample ID: 680-262130-22

Date Collected: 02/21/25 10:35

Matrix: Water

Date Received: 02/21/25 16:00

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0692	U	0.0758	0.0761	1.00	0.121	pCi/L	02/28/25 08:02	03/27/25 07:43	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*30 - 110*	*02/28/25 08:02*	*03/27/25 07:43*	*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	**0.800**		0.499	0.505	1.00	0.739	pCi/L	02/28/25 08:05	03/20/25 12:28	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*30 - 110*	*02/28/25 08:05*	*03/20/25 12:28*	*1*
Y Carrier	*76.3*		*30 - 110*	*02/28/25 08:05*	*03/20/25 12:28*	*1*

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-SGWC-23

Date Collected: 02/21/25 10:35
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-22

Matrix: Water

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	0.869		0.505	0.511	5.00	0.739	pCi/L		03/27/25 14:21	1

Tracer/Carrier Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)
Lab Sample ID	Client Sample ID	Ba (30-110)
680-262130-1	SCH-SGWA-1	89.3
680-262130-2	SCH-SGWA-2	87.7
680-262130-3	SCH-SGWA-5	87.7
680-262130-4	SCH-SGWC-6	91.4
680-262130-5	SCH-SGWC-11	84.0
680-262130-6	SCH-SGWC-15	89.0
680-262130-7	SCH-SGWC-20	87.2
680-262130-8	SCH-SGWA-3	86.9
680-262130-9	SCH-AP1-EB-1	91.4
680-262130-10	SCH-AP1-FB-2	89.0
680-262130-11	SCH-PZ-42I	89.0
680-262130-12	SCH-AP1-FB-4	88.5
680-262130-13	SCH-SGWC-22	90.6
680-262130-14	SCH-PZ-40I	94.8
680-262130-14 DU	SCH-PZ-40I	99.2
680-262130-15	SCH-SGWC-21	91.9
680-262130-16	SCH-PZ-17I	79.5
680-262130-17	SCH-AP1-EB-3	75.8
680-262130-18	SCH-PZ-41S	73.1
680-262130-19	SCH-AP1-FD-4	77.8
680-262130-20	SCH-SGWC-18	82.6
680-262130-21	SCH-SGWC-19	73.0
680-262130-22	SCH-SGWC-23	77.5
880-54846-A-1-A DU	Duplicate	79.8
LCS 160-705014/2-A	Lab Control Sample	90.1
LCS 160-705299/2-A	Lab Control Sample	79.3
LCS 160-709797/2-A	Lab Control Sample	74.1
LCSD 160-709797/3-A	Lab Control Sample Dup	76.0
MB 160-705014/1-A	Method Blank	84.8
MB 160-705299/1-A	Method Blank	86.4
MB 160-709797/1-A	Method Blank	74.6

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 9320 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
680-262130-1	SCH-SGWA-1	89.3	78.5
680-262130-2	SCH-SGWA-2	87.7	78.5
680-262130-3	SCH-SGWA-5	87.7	75.9
680-262130-4	SCH-SGWC-6	91.4	79.3
680-262130-5	SCH-SGWC-11	84.0	74.8
680-262130-6	SCH-SGWC-15	89.0	73.6
680-262130-7	SCH-SGWC-20	87.2	78.9
680-262130-8	SCH-SGWA-3	86.9	80.0
680-262130-9	SCH-AP1-EB-1	91.4	78.1

Tracer/Carrier Summary

Client: Southern Company
Job ID: 680-262130-2
Project/Site: CCR - Plant Scherer Ash Pond

Method: 9320 - Radium-228 (GFPC) (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
680-262130-10	SCH-AP1-FB-2	89.0	77.0
680-262130-11	SCH-PZ-42I	89.0	79.6
680-262130-12	SCH-AP1-FB-4	88.5	79.6
680-262130-13	SCH-SGWC-22	90.6	77.4
680-262130-14	SCH-PZ-40I	94.8	79.6
680-262130-14 DU	SCH-PZ-40I	99.2	80.0
680-262130-15	SCH-SGWC-21	91.9	78.5
680-262130-16	SCH-PZ-17I	85.6	80.4
680-262130-17	SCH-AP1-EB-3	83.2	83.0
680-262130-18	SCH-PZ-41S	81.7	77.0
680-262130-19	SCH-AP1-FD-4	71.5	74.4
680-262130-20	SCH-SGWC-18	93.2	81.1
680-262130-21	SCH-SGWC-19	73.0	77.0
680-262130-22	SCH-SGWC-23	77.5	76.3
680-262176-J-2-B DU	Duplicate	91.6	83.0
880-54846-A-1-B DU	Duplicate	79.8	74.0
LCS 160-705016/2-A	Lab Control Sample	90.1	78.1
LCS 160-705301/2-A	Lab Control Sample	79.3	78.9
LCS 160-705316/2-A	Lab Control Sample	92.7	80.4
MB 160-705016/1-A	Method Blank	84.8	76.3
MB 160-705301/1-A	Method Blank	86.4	81.9
MB 160-705316/1-A	Method Blank	85.3	81.9

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-705014/1-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705014

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02698	U	0.0605	0.0606	1.00	0.112	pCi/L	02/27/25 07:27	03/26/25 07:15	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*02/27/25 07:27*	*03/26/25 07:15*	*1*

Lab Sample ID: LCS 160-705014/2-A
Matrix: Water
Analysis Batch: 709424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705014

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.12		1.07	1.00	0.111	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.1*		*30 - 110*

Lab Sample ID: 680-262130-14 DU
Matrix: Water
Analysis Batch: 709425

Client Sample ID: SCH-PZ-40I
Prep Type: Total/NA
Prep Batch: 705014

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0862	U		0.1344		0.0852	1.00	0.114	pCi/L			0.30	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*99.2*		*30 - 110*

Lab Sample ID: MB 160-705299/1-A
Matrix: Water
Analysis Batch: 709481

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705299

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02253	U	0.0587	0.0587	1.00	0.132	pCi/L	02/28/25 08:02	03/27/25 07:43	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*02/28/25 08:02*	*03/27/25 07:43*	*1*

Lab Sample ID: LCS 160-705299/2-A
Matrix: Water
Analysis Batch: 709481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705299

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.581		1.05	1.00	0.170	pCi/L	100	75 - 125		

Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-705299/2-A
Matrix: Water
Analysis Batch: 709481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705299

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	79.3		30 - 110

Lab Sample ID: 880-54846-A-1-A DU
Matrix: Water
Analysis Batch: 709483

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705299

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.134			0.1244	U	0.0902	1.00	0.125	pCi/L			0.05	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	79.8		30 - 110

Lab Sample ID: MB 160-709797/1-A
Matrix: Water
Analysis Batch: 713556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709797

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01948	U	0.0561	0.0561	1.00	0.106	pCi/L	03/28/25 07:36	04/21/25 09:54	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	74.6		30 - 110	03/28/25 07:36	04/21/25 09:54	1

Lab Sample ID: LCS 160-709797/2-A
Matrix: Water
Analysis Batch: 713556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709797

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	11.09		1.16	1.00	0.107	pCi/L	116	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	74.1		30 - 110

Lab Sample ID: LCSD 160-709797/3-A
Matrix: Water
Analysis Batch: 713556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709797

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.58	9.902		1.05	1.00	0.0949	pCi/L	103	75 - 125	0.54	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	76.0		30 - 110

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-705016/1-A
Matrix: Water
Analysis Batch: 708486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705016

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.1231	U	0.319	0.319	1.00	0.567	pCi/L	02/27/25 07:31	03/19/25 14:14	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*84.8*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:14*	*1*
Y Carrier	*76.3*		*30 - 110*	*02/27/25 07:31*	*03/19/25 14:14*	*1*

Lab Sample ID: LCS 160-705016/2-A
Matrix: Water
Analysis Batch: 708486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705016

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.01	9.182		1.27	1.00	0.452	pCi/L	115	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*90.1*		*30 - 110*
Y Carrier	*78.1*		*30 - 110*

Lab Sample ID: 680-262130-14 DU
Matrix: Water
Analysis Batch: 708497

Client Sample ID: SCH-PZ-40I
Prep Type: Total/NA
Prep Batch: 705016

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.277	U		0.1690	U	0.300	1.00	0.515	pCi/L			0.18	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*99.2*		*30 - 110*
Y Carrier	*80.0*		*30 - 110*

Lab Sample ID: MB 160-705301/1-A
Matrix: Water
Analysis Batch: 708582

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705301

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.1310	U	0.257	0.258	1.00	0.533	pCi/L	02/28/25 08:05	03/20/25 12:17	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.4*		*30 - 110*	*02/28/25 08:05*	*03/20/25 12:17*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/28/25 08:05*	*03/20/25 12:17*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-705301/2-A
Matrix: Water
Analysis Batch: 708582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705301

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.00	8.867		1.32	1.00	0.591	pCi/L	111	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*79.3*		*30 - 110*
Y Carrier	*78.9*		*30 - 110*

Lab Sample ID: 880-54846-A-1-B DU
Matrix: Water
Analysis Batch: 708685

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705301

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.0358	U		0.5782	U	0.483	1.00	0.751	pCi/L			0.60	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*79.8*		*30 - 110*
Y Carrier	*74.0*		*30 - 110*

Lab Sample ID: MB 160-705316/1-A
Matrix: Water
Analysis Batch: 708686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705316

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.07654	U	0.344	0.344	1.00	0.661	pCi/L	02/28/25 08:15	03/20/25 12:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*

Lab Sample ID: LCS 160-705316/2-A
Matrix: Water
Analysis Batch: 708582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705316

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.00	5.894		1.18	1.00	0.841	pCi/L	74	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.7*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 680-262176-J-2-B DU
Matrix: Water
Analysis Batch: 708686

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 705316

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.00785	U		0.04182	U	0.304	1.00	0.559	pCi/L			0.05	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*91.6*		*30 - 110*
Y Carrier	*83.0*		*30 - 110*

Rad

Prep Batch: 705014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total/NA	Water	PrecSep-21	
680-262130-2	SCH-SGWA-2	Total/NA	Water	PrecSep-21	
680-262130-3	SCH-SGWA-5	Total/NA	Water	PrecSep-21	
680-262130-4	SCH-SGWC-6	Total/NA	Water	PrecSep-21	
680-262130-5	SCH-SGWC-11	Total/NA	Water	PrecSep-21	
680-262130-6	SCH-SGWC-15	Total/NA	Water	PrecSep-21	
680-262130-7	SCH-SGWC-20	Total/NA	Water	PrecSep-21	
680-262130-8	SCH-SGWA-3	Total/NA	Water	PrecSep-21	
680-262130-9	SCH-AP1-EB-1	Total/NA	Water	PrecSep-21	
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	PrecSep-21	
680-262130-11	SCH-PZ-42I	Total/NA	Water	PrecSep-21	
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	PrecSep-21	
680-262130-13	SCH-SGWC-22	Total/NA	Water	PrecSep-21	
680-262130-14	SCH-PZ-40I	Total/NA	Water	PrecSep-21	
680-262130-15	SCH-SGWC-21	Total/NA	Water	PrecSep-21	
MB 160-705014/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705014/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
680-262130-14 DU	SCH-PZ-40I	Total/NA	Water	PrecSep-21	

Prep Batch: 705016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-1	SCH-SGWA-1	Total/NA	Water	PrecSep_0	
680-262130-2	SCH-SGWA-2	Total/NA	Water	PrecSep_0	
680-262130-3	SCH-SGWA-5	Total/NA	Water	PrecSep_0	
680-262130-4	SCH-SGWC-6	Total/NA	Water	PrecSep_0	
680-262130-5	SCH-SGWC-11	Total/NA	Water	PrecSep_0	
680-262130-6	SCH-SGWC-15	Total/NA	Water	PrecSep_0	
680-262130-7	SCH-SGWC-20	Total/NA	Water	PrecSep_0	
680-262130-8	SCH-SGWA-3	Total/NA	Water	PrecSep_0	
680-262130-9	SCH-AP1-EB-1	Total/NA	Water	PrecSep_0	
680-262130-10	SCH-AP1-FB-2	Total/NA	Water	PrecSep_0	
680-262130-11	SCH-PZ-42I	Total/NA	Water	PrecSep_0	
680-262130-12	SCH-AP1-FB-4	Total/NA	Water	PrecSep_0	
680-262130-13	SCH-SGWC-22	Total/NA	Water	PrecSep_0	
680-262130-14	SCH-PZ-40I	Total/NA	Water	PrecSep_0	
680-262130-15	SCH-SGWC-21	Total/NA	Water	PrecSep_0	
MB 160-705016/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705016/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-262130-14 DU	SCH-PZ-40I	Total/NA	Water	PrecSep_0	

Prep Batch: 705299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-21	SCH-SGWC-19	Total/NA	Water	PrecSep-21	
680-262130-22	SCH-SGWC-23	Total/NA	Water	PrecSep-21	
MB 160-705299/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-705299/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
880-54846-A-1-A DU	Duplicate	Total/NA	Water	PrecSep-21	

Prep Batch: 705301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-21	SCH-SGWC-19	Total/NA	Water	PrecSep_0	

Rad (Continued)

Prep Batch: 705301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-22	SCH-SGWC-23	Total/NA	Water	PrecSep_0	
MB 160-705301/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705301/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
880-54846-A-1-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 705316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-16	SCH-PZ-17I	Total/NA	Water	PrecSep_0	
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	PrecSep_0	
680-262130-18	SCH-PZ-41S	Total/NA	Water	PrecSep_0	
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	PrecSep_0	
680-262130-20	SCH-SGWC-18	Total/NA	Water	PrecSep_0	
MB 160-705316/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705316/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-262176-J-2-B DU	Duplicate	Total/NA	Water	PrecSep_0	

Prep Batch: 709797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262130-16	SCH-PZ-17I	Total/NA	Water	PrecSep-21	
680-262130-17	SCH-AP1-EB-3	Total/NA	Water	PrecSep-21	
680-262130-18	SCH-PZ-41S	Total/NA	Water	PrecSep-21	
680-262130-19	SCH-AP1-FD-4	Total/NA	Water	PrecSep-21	
680-262130-20	SCH-SGWC-18	Total/NA	Water	PrecSep-21	
MB 160-709797/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-709797/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-709797/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-SGWA-1

Lab Sample ID: 680-262130-1

Date Collected: 02/20/25 11:59

Matrix: Water

Date Received: 02/21/25 16:00

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			1004.57 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1004.57 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708486	03/19/25 14:15	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWA-2

Lab Sample ID: 680-262130-2

Date Collected: 02/20/25 14:11

Matrix: Water

Date Received: 02/21/25 16:00

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			1002.80 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.80 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:24	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWA-5

Lab Sample ID: 680-262130-3

Date Collected: 02/20/25 11:20

Matrix: Water

Date Received: 02/21/25 16:00

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			977.97 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			977.97 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:24	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-6

Lab Sample ID: 680-262130-4

Date Collected: 02/20/25 11:27

Matrix: Water

Date Received: 02/21/25 16:00

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			1004.87 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-SGWC-6
Date Collected: 02/20/25 11:27
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-4
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	PrecSep_0			1004.87 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:25	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-11
Date Collected: 02/20/25 10:45
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-5
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	PrecSep-21			1006.83 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1006.83 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:25	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-15
Date Collected: 02/20/25 10:35
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-6
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	PrecSep-21			1006.73 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1006.73 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:25	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-20
Date Collected: 02/20/25 11:08
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-7
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	PrecSep-21			1003.49 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 07:26	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1003.49 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:25	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 680-262130-7

Date Collected: 02/20/25 11:08
Matrix: Water
Date Received: 02/21/25 16:00

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			709438	03/26/25 13:08	SCB	EET SL

Client Sample ID: SCH-SGWA-3

Lab Sample ID: 680-262130-8

Date Collected: 02/20/25 14:33
Matrix: Water
Date Received: 02/21/25 16:00

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			1001.30 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.30 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:25	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-EB-1

Lab Sample ID: 680-262130-9

Date Collected: 02/20/25 12:33
Matrix: Water
Date Received: 02/21/25 16:00

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			1004.06 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1004.06 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:25	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FB-2

Lab Sample ID: 680-262130-10

Date Collected: 02/20/25 11:00
Matrix: Water
Date Received: 02/21/25 16:00

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			1003.01 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:12	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1003.01 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708496	03/19/25 14:25	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-PZ-42I
Date Collected: 02/20/25 14:00
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-11
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	PrecSep-21			1001.55 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:13	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.55 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 14:19	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FB-4
Date Collected: 02/20/25 14:45
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-12
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	PrecSep-21			1001.19 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:13	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.19 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 14:20	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-22
Date Collected: 02/20/25 15:05
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-13
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	PrecSep-21			1001.17 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:13	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.17 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 14:20	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-40I
Date Collected: 02/20/25 15:09
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-14
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	PrecSep-21			1000.85 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:13	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-PZ-40I
Date Collected: 02/20/25 15:09
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-14
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	PrecSep_0			1000.85 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 14:20	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-21
Date Collected: 02/20/25 16:35
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-15
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	PrecSep-21			1001.75 mL	1.0 g	705014	02/27/25 07:27	OGC	EET SL
Total/NA	Analysis	9315		1			709425	03/26/25 09:13	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.75 mL	1.0 g	705016	02/27/25 07:31	OGC	EET SL
Total/NA	Analysis	9320		1			708497	03/19/25 14:20	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			709438	03/26/25 13:08	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-17I
Date Collected: 02/21/25 10:48
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-16
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	PrecSep-21			1001.62 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 09:54	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.03 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708582	03/20/25 14:17	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-EB-3
Date Collected: 02/21/25 10:58
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-17
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	PrecSep-21			1000.11 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 09:54	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			994.32 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708582	03/20/25 14:17	FLC	EET SL
	Instrument ID: GFPCRED									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-AP1-EB-3

Lab Sample ID: 680-262130-17

Date Collected: 02/21/25 10:58

Matrix: Water

Date Received: 02/21/25 16:00

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			713840	04/22/25 09:26	SCB	EET SL

Client Sample ID: SCH-PZ-41S

Lab Sample ID: 680-262130-18

Date Collected: 02/21/25 09:52

Matrix: Water

Date Received: 02/21/25 16:00

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			1000.89 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 09:54	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1006.68 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708685	03/20/25 14:26	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-FD-4

Lab Sample ID: 680-262130-19

Date Collected: 02/21/25 00:00

Matrix: Water

Date Received: 02/21/25 16:00

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			1001.58 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 09:55	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1007.16 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708685	03/20/25 14:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-18

Lab Sample ID: 680-262130-20

Date Collected: 02/21/25 10:06

Matrix: Water

Date Received: 02/21/25 16:00

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			1005.42 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 09:55	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1003.42 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708685	03/20/25 14:27	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

Client Sample ID: SCH-SGWC-19

Date Collected: 02/21/25 10:19
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-21

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	PrecSep-21			1004.92 mL	1.0 g	705299	02/28/25 08:02	OGC	EET SL
Total/NA	Analysis	9315		1			709481	03/27/25 07:43	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1004.92 mL	1.0 g	705301	02/28/25 08:05	OGC	EET SL
Total/NA	Analysis	9320		1			708685	03/20/25 12:28	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709690	03/27/25 14:21	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-SGWC-23

Date Collected: 02/21/25 10:35
Date Received: 02/21/25 16:00

Lab Sample ID: 680-262130-22

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	PrecSep-21			1003.70 mL	1.0 g	705299	02/28/25 08:02	OGC	EET SL
Total/NA	Analysis	9315		1	1.0 mL	1.0 mL	709481	03/27/25 07:43	FLC	EET SL
	Instrument ID: GFPCRED									
Total/NA	Prep	PrecSep_0			1003.70 mL	1.0 g	705301	02/28/25 08:05	OGC	EET SL
Total/NA	Analysis	9320		1			708685	03/20/25 12:28	FLC	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Analysis	Ra226_Ra228		1			709690	03/27/25 14:21	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: 680-262130-2
Project/Site: CCR - Plant Scherer 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: CCR - Plant Scherer Ash Pond

Job ID: 680-262130-2

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 Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 3
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1
Special Instructions/Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D Chloride, Fluoride, Sulfate	2540C Solids, Total Dissolved (TDS)	6020B App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 Sulfide	2320B Alkalinity, Total, Carb/Bicarb	9315_Ra226 Radium 226	9320_Ra228 Radium 228	Ra226Ra228_GFPC Combined Radium 226 and 228	6020B Fe				Total Number of containers
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D				
SCH-SGWA-1 Loc 680 262130	2/20/25	11 59	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWA-2	2/20/25	14 11	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWA-5	2/20/25	11.20	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWC-6	2/20/25	11:27	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-SGWC-11	2/20/25	10:45	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-SGWC-15	2/20/25	10:35	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-SGWC-20	2/20/25	11 08	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-SGWA-3	2/20/25	14:33	G	WG	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-EB-1	2/20/25	12.33	G	WQ	N	N	X	X	X	X		X	X	X	X					6
SCH-AP1-FB-2	2/20/25	11 00	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8
SCH-PZ-42I	2/20/25	14.00	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8

680-262130 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	Dawn Prell	2/21/25 1245	WSP	Jake Stucky	2/21/25 1245	WSP
2	Jake Stucky	2/21/25 1302	WSP	Amanda Linear	2/21/25 13:02	C.NOW
3					2/21/25 1600	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 1.2/1.2 0.1/0.1 1.5/1.5 0.4/0.4

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

eurofins
environment Testing

Client Information	Sampler(s): Dana Bloomfield	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 2 of 3
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

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)	300_ORGFM_28D Chloride, Fluoride, Sulfate	2540C Solids, Total Dissolved (TDS)	6020B App III and IV metals w/ Mg, Mn, Na, K	7470A App IV Mercury	9034 Sulfide	2320B Alkalinity, Total, Carb/Bicarb	9315_Ra226 Radium 226	9320_Ra228 Radium 228	Ra226Ra228_GFPC Combined Radium 226 and 228	6020B Fe				Total Number of containers	
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D					
SCH-AP1-FB-4	2/20/25	14.45	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-SGWC-22	2/20/25	15:05	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-PZ-40I	2/20/25	15 09	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				10	Extra Rads
SCH-SGWC-21	2/20/25	16:35	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-PZ-17I	2/21/25	10:48	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-AP1-EB-3	2/21/25	10:58	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-PZ-41S	2/21/25	9:52	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-AP1-FD-4	2/21/25	-	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-SGWC-18	2/21/25	10:06	G	WG	N	N	X	X	X	X	X	X	X	X	X	X				8	
SCH-SGWC-19	2/21/25	10:19	G	WG	N	N	X	X	X	X		X	X	X	X					6	
SCH-SGWC-23	2/21/25	10.35	G	WG	N	N	X	X	X	X		X	X	X	X					6	

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	[signature]	2/21/25 1245	WSP	2/21/25 1245	2/21/25 1245	WSP
2	Jake Stucky	2/21/25	WSP	Miranda Linear	2/21/25 19:02	CMW
3						

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 1.1/1.1 2.6/2.6 3.6/3.6 2.3/2.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262130-2

Login Number: 262130
List Number: 1
Creator: Faught, Timothy

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.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262130-2

Login Number: 262130
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 02/25/25 11:58 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: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 3/7/2025 5:12:02 PM

JOB DESCRIPTION

CCR - Plant Scherer Ash Pond

JOB NUMBER

680-262176-1

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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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
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Definitions/Glossary

Client: Southern Company
Job ID: 680-262176-1
Project/Site: CCR - Plant Scherer Ash Pond

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

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.

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: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262176-1	SCH-PZ-39S	Water	02/24/25 14:37	02/25/25 11:30
680-262176-2	SCH-PZ-43S	Water	02/24/25 14:11	02/25/25 11:30
680-262176-3	SCH-PZ-44I	Water	02/24/25 11:06	02/25/25 11:30
680-262176-4	SCH-PZ-69I	Water	02/24/25 12:20	02/25/25 11:30
680-262176-5	SCH-AP1-EB-4	Water	02/24/25 13:09	02/25/25 11:30

Job ID: 680-262176-1 — Eurofins Savannah

Job Narrative
680-262176-1

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 2/25/2025 11:30 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 0.6°C and 1.7°C.

HPLC/IC
Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-877431 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride and Sulfate in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-877525 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 680-877525 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 samples due to the nature of the sample matrix resulting in elevated reporting limits: SCH-PZ-43S (680-262176-2), SCH-PZ-44I (680-262176-3) and SCH-PZ-69i (680-262176-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: SCH-PZ-39S

Lab Sample ID: 680-262176-1

Date Collected: 02/24/25 14:37

Matrix: Water

Date Received: 02/25/25 11:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**40**	**F1**	1.0	0.40	mg/L			03/01/25 18:52	1
Fluoride	<0.040		0.10	0.040	mg/L			03/01/25 18:52	1
Chloride	**6.1**		1.0	0.20	mg/L			03/01/25 18:52	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		02/26/25 05:19	02/26/25 16:41	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/26/25 05:19	02/26/25 16:41	1
Barium	**0.043**		0.010	0.00089	mg/L		02/26/25 05:19	02/26/25 16:41	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/26/25 05:19	02/26/25 16:41	1
Boron	<0.022		0.080	0.022	mg/L		02/26/25 05:19	02/26/25 16:41	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/26/25 05:19	02/26/25 16:41	1
Calcium	**24**		0.50	0.14	mg/L		02/26/25 05:19	02/26/25 16:41	1
Chromium	**0.023**		0.0020	0.0012	mg/L		02/26/25 05:19	02/26/25 16:41	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/26/25 05:19	02/26/25 16:41	1
Iron	**0.13**		0.10	0.012	mg/L		02/26/25 05:19	02/26/25 16:41	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/26/25 05:19	02/26/25 16:41	1
Lithium	**0.0025**	**J**	0.0050	0.0020	mg/L		02/26/25 05:19	02/27/25 11:07	1
Magnesium	**10**		0.50	0.023	mg/L		02/26/25 05:19	02/26/25 16:41	1
Manganese	**0.16**		0.0050	0.0022	mg/L		02/26/25 05:19	02/26/25 16:41	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/26/25 05:19	02/26/25 16:41	1
Potassium	**1.5**		0.50	0.044	mg/L		02/26/25 05:19	02/26/25 16:41	1
Selenium	**0.0015**	**J**	0.0050	0.00099	mg/L		02/26/25 05:19	02/26/25 16:41	1
Sodium	**7.5**		0.50	0.20	mg/L		02/26/25 05:19	02/26/25 16:41	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/26/25 05:19	02/26/25 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		03/04/25 15:20	03/05/25 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**68**		5.0	2.2	mg/L			02/26/25 20:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**68**		5.0	2.2	mg/L			02/26/25 20:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 20:30	1
Total Dissolved Solids (SM 2540C-2011)	**150**		10	10	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/26/25 15:19	02/26/25 16:09	1

Client Sample ID: SCH-PZ-43S

Lab Sample ID: 680-262176-2

Date Collected: 02/24/25 14:11

Matrix: Water

Date Received: 02/25/25 11:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**150**		5.0	2.0	mg/L			03/01/25 19:31	5
Fluoride	<0.20		0.50	0.20	mg/L			03/01/25 19:31	5
Chloride	**7.6**		5.0	1.0	mg/L			03/01/25 19:31	5

Client Sample ID: SCH-PZ-43S

Lab Sample ID: 680-262176-2

Date Collected: 02/24/25 14:11

Matrix: Water

Date Received: 02/25/25 11:30

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		02/26/25 05:19	02/26/25 16:49	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/26/25 05:19	02/26/25 16:49	1
Barium	**0.070**		0.010	0.00089	mg/L		02/26/25 05:19	02/26/25 16:49	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/26/25 05:19	02/26/25 16:49	1
Boron	**1.1**		0.080	0.022	mg/L		02/26/25 05:19	02/26/25 16:49	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/26/25 05:19	02/26/25 16:49	1
Calcium	**54**		0.50	0.14	mg/L		02/26/25 05:19	02/26/25 16:49	1
Chromium	**0.0020**		0.0020	0.0012	mg/L		02/26/25 05:19	02/26/25 16:49	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/26/25 05:19	02/26/25 16:49	1
Iron	<0.012		0.10	0.012	mg/L		02/26/25 05:19	02/26/25 16:49	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/26/25 05:19	02/26/25 16:49	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/26/25 05:19	02/27/25 11:15	1
Magnesium	**16**		0.50	0.023	mg/L		02/26/25 05:19	02/26/25 16:49	1
Manganese	**0.0054**		0.0050	0.0022	mg/L		02/26/25 05:19	02/26/25 16:49	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/26/25 05:19	02/26/25 16:49	1
Potassium	**3.3**		0.50	0.044	mg/L		02/26/25 05:19	02/26/25 16:49	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/26/25 05:19	02/26/25 16:49	1
Sodium	**15**		0.50	0.20	mg/L		02/26/25 05:19	02/26/25 16:49	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/26/25 05:19	02/26/25 16:49	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		03/04/25 15:20	03/05/25 10:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**63**		5.0	2.2	mg/L			02/26/25 20:11	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**63**		5.0	2.2	mg/L			02/26/25 20:11	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 20:11	1
Total Dissolved Solids (SM 2540C-2011)	**290**		40	40	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/26/25 15:19	02/26/25 16:09	1

Client Sample ID: SCH-PZ-44I

Lab Sample ID: 680-262176-3

Date Collected: 02/24/25 11:06

Matrix: Water

Date Received: 02/25/25 11:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			03/03/25 11:54	1
Fluoride	<0.040		0.10	0.040	mg/L			03/03/25 11:54	1
Chloride	**3.2**		1.0	0.20	mg/L			03/03/25 11:54	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		02/26/25 05:09	02/26/25 21:02	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/26/25 05:09	02/26/25 21:02	1
Barium	**0.0099**	**J**	0.010	0.00089	mg/L		02/26/25 05:09	02/26/25 21:02	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/26/25 05:09	02/26/25 21:02	1

Client Sample ID: SCH-PZ-44I

Lab Sample ID: 680-262176-3

Date Collected: 02/24/25 11:06

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.053**	**J**	0.080	0.022	mg/L		02/26/25 05:09	02/26/25 21:02	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/26/25 05:09	02/26/25 21:02	1
Calcium	**25**		0.50	0.14	mg/L		02/26/25 05:09	02/26/25 21:02	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/26/25 05:09	02/26/25 21:02	1
Cobalt	**0.0014**	**J**	0.0025	0.00022	mg/L		02/26/25 05:09	02/26/25 21:02	1
Iron	**1.6**		0.10	0.012	mg/L		02/26/25 05:09	02/26/25 21:02	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/26/25 05:09	02/26/25 21:02	1
Lithium	**0.037**		0.0050	0.0020	mg/L		02/26/25 05:09	02/27/25 13:58	1
Magnesium	**12**		0.50	0.023	mg/L		02/26/25 05:09	02/26/25 21:02	1
Manganese	**0.29**		0.0050	0.0022	mg/L		02/26/25 05:09	02/26/25 21:02	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/26/25 05:09	02/26/25 21:02	1
Potassium	**3.9**		0.50	0.044	mg/L		02/26/25 05:09	02/26/25 21:02	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/26/25 05:09	02/26/25 21:02	1
Sodium	**7.8**		0.50	0.20	mg/L		02/26/25 05:09	02/26/25 21:02	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/26/25 05:09	02/26/25 21:02	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		03/04/25 15:20	03/05/25 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**120**		5.0	2.2	mg/L			02/26/25 20:02	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**120**		5.0	2.2	mg/L			02/26/25 20:02	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 20:02	1
Total Dissolved Solids (SM 2540C-2011)	**170**		40	40	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/26/25 15:19	02/26/25 16:09	1

Client Sample ID: SCH-PZ-69I

Lab Sample ID: 680-262176-4

Date Collected: 02/24/25 12:20

Matrix: Water

Date Received: 02/25/25 11:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**110**		5.0	2.0	mg/L			03/03/25 12:03	5
Fluoride	<0.20		0.50	0.20	mg/L			03/03/25 12:03	5
Chloride	**9.9**		5.0	1.0	mg/L			03/03/25 12:03	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		02/26/25 05:19	02/26/25 16:36	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/26/25 05:19	02/26/25 16:36	1
Barium	**0.18**		0.010	0.00089	mg/L		02/26/25 05:19	02/26/25 16:36	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/26/25 05:19	02/26/25 16:36	1
Boron	**0.40**		0.080	0.022	mg/L		02/26/25 05:19	02/26/25 16:36	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/26/25 05:19	02/26/25 16:36	1
Calcium	**49**		0.50	0.14	mg/L		02/26/25 05:19	02/26/25 16:36	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/26/25 05:19	02/26/25 16:36	1

Client Sample ID: SCH-PZ-69I

Lab Sample ID: 680-262176-4

Date Collected: 02/24/25 12:20

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.0022**	**J**	0.0025	0.00022	mg/L		02/26/25 05:19	02/26/25 16:36	1
Iron	**1.2**		0.10	0.012	mg/L		02/26/25 05:19	02/26/25 16:36	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/26/25 05:19	02/26/25 16:36	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/26/25 05:19	02/27/25 10:59	1
Magnesium	**14**		0.50	0.023	mg/L		02/26/25 05:19	02/26/25 16:36	1
Manganese	**1.2**		0.0050	0.0022	mg/L		02/26/25 05:19	02/26/25 16:36	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/26/25 05:19	02/26/25 16:36	1
Potassium	**5.6**		0.50	0.044	mg/L		02/26/25 05:19	02/26/25 16:36	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/26/25 05:19	02/26/25 16:36	1
Sodium	**23**		0.50	0.20	mg/L		02/26/25 05:19	02/26/25 16:36	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/26/25 05:19	02/26/25 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		03/04/25 15:20	03/05/25 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	**96**		5.0	2.2	mg/L			02/26/25 20:20	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**96**		5.0	2.2	mg/L			02/26/25 20:20	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 20:20	1
Total Dissolved Solids (SM 2540C-2011)	**280**		40	40	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/26/25 15:19	02/26/25 16:09	1

Client Sample ID: SCH-AP1-EB-4

Lab Sample ID: 680-262176-5

Date Collected: 02/24/25 13:09

Matrix: Water

Date Received: 02/25/25 11:30

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			03/03/25 12:13	1
Fluoride	<0.040		0.10	0.040	mg/L			03/03/25 12:13	1
Chloride	<0.20		1.0	0.20	mg/L			03/03/25 12:13	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		02/26/25 05:19	02/26/25 16:43	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/26/25 05:19	02/26/25 16:43	1
Barium	<0.00089		0.010	0.00089	mg/L		02/26/25 05:19	02/26/25 16:43	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/26/25 05:19	02/26/25 16:43	1
Boron	<0.022		0.080	0.022	mg/L		02/26/25 05:19	02/26/25 16:43	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/26/25 05:19	02/26/25 16:43	1
Calcium	<0.14		0.50	0.14	mg/L		02/26/25 05:19	02/26/25 16:43	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/26/25 05:19	02/26/25 16:43	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/26/25 05:19	02/26/25 16:43	1
Iron	<0.012		0.10	0.012	mg/L		02/26/25 05:19	02/26/25 16:43	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/26/25 05:19	02/26/25 16:43	1
Lithium	<0.0020		0.0050	0.0020	mg/L		02/26/25 05:19	02/27/25 11:11	1

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-1

Client Sample ID: SCH-AP1-EB-4
Date Collected: 02/24/25 13:09
Date Received: 02/25/25 11:30

Lab Sample ID: 680-262176-5
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.023		0.50	0.023	mg/L		02/26/25 05:19	02/26/25 16:43	1
Manganese	**0.0050**		0.0050	0.0022	mg/L		02/26/25 05:19	02/26/25 16:43	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/26/25 05:19	02/26/25 16:43	1
Potassium	<0.044		0.50	0.044	mg/L		02/26/25 05:19	02/26/25 16:43	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/26/25 05:19	02/26/25 16:43	1
Sodium	**0.29**	**J**	0.50	0.20	mg/L		02/26/25 05:19	02/26/25 16:43	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/26/25 05:19	02/26/25 16:43	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		03/04/25 15:20	03/05/25 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 20:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 20:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<2.2		5.0	2.2	mg/L			02/26/25 20:43	1
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/27/25 17:29	1
Sulfide (SW846 9034)	<10		10	10	mg/L		02/26/25 15:19	02/26/25 16:09	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-877431/2
Matrix: Water
Analysis Batch: 877431

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			03/01/25 12:05	1
Fluoride	<0.040		0.10	0.040	mg/L			03/01/25 12:05	1
Chloride	<0.20		1.0	0.20	mg/L			03/01/25 12:05	1

Lab Sample ID: LCS 680-877431/3
Matrix: Water
Analysis Batch: 877431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	10.7		mg/L		107	90 - 110		
Fluoride			2.00	1.91		mg/L		95	90 - 110		
Chloride			10.0	9.66		mg/L		97	90 - 110		

Lab Sample ID: LCSD 680-877431/4
Matrix: Water
Analysis Batch: 877431

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
Sulfate			10.0	10.9		mg/L		109	90 - 110	2	15
Fluoride			2.00	2.03		mg/L		101	90 - 110	6	15
Chloride			10.0	10.3		mg/L		103	90 - 110	7	15

Lab Sample ID: 680-262176-1 MS
Matrix: Water
Analysis Batch: 877431

Client Sample ID: SCH-PZ-39S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	40	F1	20.0	63.8	E F1	mg/L		121	80 - 120		
Fluoride	<0.040		4.00	3.54		mg/L		88	80 - 120		
Chloride	6.1		20.0	24.5	E	mg/L		92	80 - 120		

Lab Sample ID: 680-262176-1 MSD
Matrix: Water
Analysis Batch: 877431

Client Sample ID: SCH-PZ-39S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	40	F1	20.0	64.1	E F1	mg/L		123	80 - 120	1	15
Fluoride	<0.040		4.00	3.66		mg/L		91	80 - 120	3	15
Chloride	6.1		20.0	25.1	E	mg/L		95	80 - 120	2	15

Lab Sample ID: MB 680-877525/2
Matrix: Water
Analysis Batch: 877525

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.40		1.0	0.40	mg/L			03/03/25 10:01	1
Fluoride	<0.040		0.10	0.040	mg/L			03/03/25 10:01	1
Chloride	<0.20		1.0	0.20	mg/L			03/03/25 10:01	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 680-877525/3
Matrix: Water
Analysis Batch: 877525

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			10.0	10.6		mg/L		106	90 - 110		
Fluoride			2.00	1.85		mg/L		92	90 - 110		
Chloride			10.0	9.94		mg/L		99	90 - 110		

Lab Sample ID: LCSD 680-877525/4
Matrix: Water
Analysis Batch: 877525

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
Sulfate			10.0	10.6		mg/L		106	90 - 110	1	15
Fluoride			2.00	1.86		mg/L		93	90 - 110	1	15
Chloride			10.0	10.0		mg/L		100	90 - 110	1	15

Lab Sample ID: 680-262289-D-7 MS
Matrix: Water
Analysis Batch: 877525

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		
Sulfate	20	F1	10.0	29.8		mg/L		94	80 - 120		
Fluoride	<0.040	F1 F2	2.00	1.25	F1	mg/L		62	80 - 120		
Chloride	26	E F1	10.0	32.2	E F1	mg/L		60	80 - 120		

Lab Sample ID: 680-262289-D-7 MSD
Matrix: Water
Analysis Batch: 877525

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
Sulfate	20	F1	10.0	33.9	F1	mg/L		134	80 - 120	13	15
Fluoride	<0.040	F1 F2	2.00	1.77	F2	mg/L		89	80 - 120	35	15
Chloride	26	E F1	10.0	34.5	E	mg/L		83	80 - 120	7	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-877017/1-A
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/26/25 05:09	02/26/25 20:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/26/25 05:09	02/26/25 20:09	1
Barium	<0.00089		0.010	0.00089	mg/L		02/26/25 05:09	02/26/25 20:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/26/25 05:09	02/26/25 20:09	1
Boron	<0.022		0.080	0.022	mg/L		02/26/25 05:09	02/26/25 20:09	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/26/25 05:09	02/26/25 20:09	1
Calcium	<0.14		0.50	0.14	mg/L		02/26/25 05:09	02/26/25 20:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/26/25 05:09	02/26/25 20:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/26/25 05:09	02/26/25 20:09	1
Iron	<0.012		0.10	0.012	mg/L		02/26/25 05:09	02/26/25 20:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/26/25 05:09	02/26/25 20:09	1
Magnesium	<0.023		0.50	0.023	mg/L		02/26/25 05:09	02/26/25 20:09	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 680-877017/1-A
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.0022		0.0050	0.0022	mg/L		02/26/25 05:09	02/26/25 20:09	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/26/25 05:09	02/26/25 20:09	1
Potassium	<0.044		0.50	0.044	mg/L		02/26/25 05:09	02/26/25 20:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/26/25 05:09	02/26/25 20:09	1
Sodium	<0.20		0.50	0.20	mg/L		02/26/25 05:09	02/26/25 20:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/26/25 05:09	02/26/25 20:09	1

Lab Sample ID: MB 680-877017/1-A
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		02/26/25 05:09	02/27/25 12:45	1

Lab Sample ID: LCS 680-877017/2-A
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0512		mg/L		102	80 - 120
Arsenic	0.100	0.0990		mg/L		99	80 - 120
Barium	0.100	0.101		mg/L		101	80 - 120
Beryllium	0.0500	0.0507		mg/L		101	80 - 120
Boron	0.400	0.371		mg/L		93	80 - 120
Cadmium	0.0500	0.0530		mg/L		106	80 - 120
Calcium	5.00	5.19		mg/L		104	80 - 120
Chromium	0.100	0.105		mg/L		105	80 - 120
Cobalt	0.0500	0.0499		mg/L		100	80 - 120
Iron	5.00	5.16		mg/L		103	80 - 120
Lead	0.500	0.572		mg/L		114	80 - 120
Magnesium	5.00	4.53		mg/L		91	80 - 120
Manganese	0.400	0.371		mg/L		93	80 - 120
Molybdenum	0.100	0.0967		mg/L		97	80 - 120
Potassium	7.00	6.75		mg/L		96	80 - 120
Selenium	0.100	0.110		mg/L		110	80 - 120
Sodium	5.00	4.86		mg/L		97	80 - 120
Thallium	0.0500	0.0456		mg/L		91	80 - 120

Lab Sample ID: LCS 680-877017/2-A
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.463		mg/L		93	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 400-271290-E-18-B MS
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0537		mg/L		107	75 - 125
Arsenic	<0.00086		0.100	0.105		mg/L		105	75 - 125
Barium	<0.00089		0.100	0.106		mg/L		106	75 - 125
Beryllium	<0.00020		0.0500	0.0576		mg/L		115	75 - 125
Boron	0.022	J	0.400	0.396		mg/L		99	75 - 125
Cadmium	<0.000078		0.0500	0.0559		mg/L		112	75 - 125
Calcium	<0.14		5.00	5.60		mg/L		112	75 - 125
Chromium	<0.0012		0.100	0.111		mg/L		111	75 - 125
Cobalt	<0.00022		0.0500	0.0519		mg/L		104	75 - 125
Iron	<0.012		5.00	5.09		mg/L		102	75 - 125
Lead	<0.00021		0.500	0.605		mg/L		121	75 - 125
Magnesium	<0.023		5.00	4.70		mg/L		94	75 - 125
Manganese	<0.0022		0.400	0.388		mg/L		97	75 - 125
Molybdenum	<0.00086		0.100	0.101		mg/L		101	75 - 125
Potassium	<0.044		7.00	7.08		mg/L		101	75 - 125
Selenium	<0.00099		0.100	0.106		mg/L		106	75 - 125
Sodium	<0.20		5.00	5.58		mg/L		112	75 - 125
Thallium	<0.00026		0.0500	0.0478		mg/L		96	75 - 125

Lab Sample ID: 400-271290-E-18-B MS
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0020		0.500	0.476		mg/L		95	75 - 125

Lab Sample ID: 400-271290-E-18-C MSD
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0534		mg/L		107	75 - 125	1	20
Arsenic	<0.00086		0.100	0.104		mg/L		104	75 - 125	1	20
Barium	<0.00089		0.100	0.104		mg/L		104	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0529		mg/L		106	75 - 125	9	20
Boron	0.022	J	0.400	0.402		mg/L		101	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0556		mg/L		111	75 - 125	0	20
Calcium	<0.14		5.00	5.46		mg/L		109	75 - 125	2	20
Chromium	<0.0012		0.100	0.108		mg/L		108	75 - 125	3	20
Cobalt	<0.00022		0.0500	0.0511		mg/L		102	75 - 125	2	20
Iron	<0.012		5.00	5.05		mg/L		101	75 - 125	1	20
Lead	<0.00021		0.500	0.595		mg/L		119	75 - 125	2	20
Magnesium	<0.023		5.00	4.62		mg/L		92	75 - 125	2	20
Manganese	<0.0022		0.400	0.379		mg/L		95	75 - 125	2	20
Molybdenum	<0.00086		0.100	0.0999		mg/L		100	75 - 125	1	20
Potassium	<0.044		7.00	6.96		mg/L		99	75 - 125	2	20
Selenium	<0.00099		0.100	0.106		mg/L		106	75 - 125	1	20
Sodium	<0.20		5.00	5.35		mg/L		107	75 - 125	4	20
Thallium	<0.00026		0.0500	0.0468		mg/L		94	75 - 125	2	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 400-271290-E-18-C MSD
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 877017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.491		mg/L		98	75 - 125	3	20

Lab Sample ID: MB 680-877019/1-A
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/26/25 05:19	02/26/25 16:26	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/26/25 05:19	02/26/25 16:26	1
Barium	<0.00089		0.010	0.00089	mg/L		02/26/25 05:19	02/26/25 16:26	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/26/25 05:19	02/26/25 16:26	1
Boron	<0.022		0.080	0.022	mg/L		02/26/25 05:19	02/26/25 16:26	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/26/25 05:19	02/26/25 16:26	1
Calcium	<0.14		0.50	0.14	mg/L		02/26/25 05:19	02/26/25 16:26	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/26/25 05:19	02/26/25 16:26	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/26/25 05:19	02/26/25 16:26	1
Iron	<0.012		0.10	0.012	mg/L		02/26/25 05:19	02/26/25 16:26	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/26/25 05:19	02/26/25 16:26	1
Magnesium	<0.023		0.50	0.023	mg/L		02/26/25 05:19	02/26/25 16:26	1
Manganese	<0.0022		0.0050	0.0022	mg/L		02/26/25 05:19	02/26/25 16:26	1
Molybdenum	<0.00086		0.015	0.00086	mg/L		02/26/25 05:19	02/26/25 16:26	1
Potassium	<0.044		0.50	0.044	mg/L		02/26/25 05:19	02/26/25 16:26	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/26/25 05:19	02/26/25 16:26	1
Sodium	<0.20		0.50	0.20	mg/L		02/26/25 05:19	02/26/25 16:26	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/26/25 05:19	02/26/25 16:26	1

Lab Sample ID: MB 680-877019/1-A
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0020		0.0050	0.0020	mg/L		02/26/25 05:19	02/27/25 10:39	1

Lab Sample ID: LCS 680-877019/2-A
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0532		mg/L		106	80 - 120
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	0.100	0.105		mg/L		105	80 - 120
Beryllium	0.0500	0.0529		mg/L		106	80 - 120
Boron	0.400	0.382		mg/L		96	80 - 120
Cadmium	0.0500	0.0555		mg/L		111	80 - 120
Calcium	5.00	5.36		mg/L		107	80 - 120
Chromium	0.100	0.108		mg/L		108	80 - 120
Cobalt	0.0500	0.0517		mg/L		103	80 - 120
Iron	5.00	4.97		mg/L		99	80 - 120
Lead	0.500	0.582		mg/L		116	80 - 120

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 680-877019/2-A
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	5.00	4.58		mg/L		92	80 - 120
Manganese	0.400	0.381		mg/L		95	80 - 120
Molybdenum	0.100	0.0994		mg/L		99	80 - 120
Potassium	7.00	6.95		mg/L		99	80 - 120
Selenium	0.100	0.111		mg/L		111	80 - 120
Sodium	5.00	4.92		mg/L		98	80 - 120
Thallium	0.0500	0.0463		mg/L		93	80 - 120

Lab Sample ID: LCS 680-877019/2-A
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.465		mg/L		93	80 - 120

Lab Sample ID: 752-29791-F-12-B MS
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0567		mg/L		113	75 - 125
Arsenic	<0.00086		0.100	0.110		mg/L		110	75 - 125
Barium	<0.00089		0.100	0.109		mg/L		109	75 - 125
Beryllium	<0.00020		0.0500	0.0568		mg/L		114	75 - 125
Boron	<0.022		0.400	0.410		mg/L		103	75 - 125
Cadmium	<0.000078		0.0500	0.0578		mg/L		116	75 - 125
Calcium	<0.14		5.00	5.81		mg/L		116	75 - 125
Chromium	<0.0012		0.100	0.115		mg/L		115	75 - 125
Cobalt	<0.00022		0.0500	0.0549		mg/L		110	75 - 125
Iron	<0.012		5.00	5.32		mg/L		106	75 - 125
Lead	<0.00021		0.500	0.623		mg/L		125	75 - 125
Magnesium	<0.023		5.00	4.82		mg/L		96	75 - 125
Manganese	<0.0022		0.400	0.402		mg/L		100	75 - 125
Molybdenum	<0.00086		0.100	0.106		mg/L		106	75 - 125
Potassium	<0.044		7.00	7.36		mg/L		105	75 - 125
Selenium	<0.00099		0.100	0.113		mg/L		113	75 - 125
Sodium	<0.20		5.00	5.78		mg/L		116	75 - 125
Thallium	<0.00026		0.0500	0.0496		mg/L		99	75 - 125

Lab Sample ID: 752-29791-F-12-B MS
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.0020		0.500	0.471		mg/L		94	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 752-29791-F-12-C MSD
Matrix: Water
Analysis Batch: 877192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0557		mg/L		111	75 - 125	2	20
Arsenic	<0.00086		0.100	0.108		mg/L		108	75 - 125	2	20
Barium	<0.00089		0.100	0.109		mg/L		109	75 - 125	0	20
Beryllium	<0.00020		0.0500	0.0587		mg/L		117	75 - 125	3	20
Boron	<0.022		0.400	0.402		mg/L		101	75 - 125	2	20
Cadmium	<0.000078		0.0500	0.0569		mg/L		114	75 - 125	2	20
Calcium	<0.14		5.00	5.68		mg/L		114	75 - 125	2	20
Chromium	<0.0012		0.100	0.115		mg/L		115	75 - 125	0	20
Cobalt	<0.00022		0.0500	0.0533		mg/L		107	75 - 125	3	20
Iron	<0.012		5.00	5.44		mg/L		109	75 - 125	2	20
Lead	<0.00021		0.500	0.609		mg/L		122	75 - 125	2	20
Magnesium	<0.023		5.00	4.82		mg/L		96	75 - 125	0	20
Manganese	<0.0022		0.400	0.400		mg/L		100	75 - 125	1	20
Molybdenum	<0.00086		0.100	0.103		mg/L		103	75 - 125	3	20
Potassium	<0.044		7.00	7.27		mg/L		104	75 - 125	1	20
Selenium	<0.00099		0.100	0.112		mg/L		112	75 - 125	1	20
Sodium	<0.20		5.00	5.72		mg/L		114	75 - 125	1	20
Thallium	<0.00026		0.0500	0.0490		mg/L		98	75 - 125	1	20

Lab Sample ID: 752-29791-F-12-C MSD
Matrix: Water
Analysis Batch: 877308

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 877019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.0020		0.500	0.474		mg/L		95	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-877738/1-A
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		03/04/25 15:20	03/05/25 09:51	1

Lab Sample ID: LCS 680-877738/2-A
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00248		mg/L		99	80 - 120

Lab Sample ID: 680-262293-G-4-C MS
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 877738

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000820		mg/L		82	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 680-262293-G-4-D MSD
Matrix: Water
Analysis Batch: 877845

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 877738

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000986		mg/L		99	80 - 120	18	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-877283/4
Matrix: Water
Analysis Batch: 877283

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 to pH 4.5	<2.2		5.0	2.2	mg/L			02/26/25 19:06	1
Bicarbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/26/25 19:06	1
Carbonate Alkalinity as CaCO3	<2.2		5.0	2.2	mg/L			02/26/25 19:06	1

Lab Sample ID: LCS 680-877283/6
Matrix: Water
Analysis Batch: 877283

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 to pH 4.5			250	244		mg/L		98	90 - 112		

Lab Sample ID: LCSD 680-877283/31
Matrix: Water
Analysis Batch: 877283

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 to pH 4.5			250	249		mg/L		100	90 - 112	2	30

Lab Sample ID: 240-219360-K-1 DU
Matrix: Water
Analysis Batch: 877283

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 to pH 4.5	310			312		mg/L				1	30
Bicarbonate Alkalinity as CaCO3	310			312		mg/L				1	30
Carbonate Alkalinity as CaCO3	<2.2			<2.2		mg/L				NC	30

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-877293/1
Matrix: Water
Analysis Batch: 877293

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			02/27/25 17:29	1

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: LCS 680-877293/2
Matrix: Water
Analysis Batch: 877293

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 680-877293/3
Matrix: Water
Analysis Batch: 877293

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

Lab Sample ID: 680-262130-C-18 DU
Matrix: Water
Analysis Batch: 877293

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	1100			1140		mg/L				0.4	5

Lab Sample ID: 680-262130-C-19 DU
Matrix: Water
Analysis Batch: 877293

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	1100			1120		mg/L				0.9	5

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-877149/1-A
Matrix: Water
Analysis Batch: 877163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877149

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<10		10	10	mg/L		02/26/25 15:19	02/26/25 16:09	1

Lab Sample ID: LCS 680-877149/2-A
Matrix: Water
Analysis Batch: 877163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877149

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide			208	124		mg/L		59	50 - 150		

Lab Sample ID: LCSD 680-877149/3-A
Matrix: Water
Analysis Batch: 877163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 877149

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide			208	147		mg/L		70	50 - 150	17	50

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: 680-262176-2 MS
Matrix: Water
Analysis Batch: 877163

Client Sample ID: SCH-PZ-43S
Prep Type: Total/NA
Prep Batch: 877149

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	<10		208	115		mg/L		55	50 - 150		

Lab Sample ID: 680-262176-2 MSD
Matrix: Water
Analysis Batch: 877163

Client Sample ID: SCH-PZ-43S
Prep Type: Total/NA
Prep Batch: 877149

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<10		208	130		mg/L		62	50 - 150	12	50

Lab Sample ID: 680-262176-1 DU
Matrix: Water
Analysis Batch: 877163

Client Sample ID: SCH-PZ-39S
Prep Type: Total/NA
Prep Batch: 877149

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide	<10			<10		mg/L				NC	50

HPLC/IC

Analysis Batch: 877431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	300.0-1993 R2.1	
680-262176-2	SCH-PZ-43S	Total/NA	Water	300.0-1993 R2.1	
MB 680-877431/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877431/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877431/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262176-1 MS	SCH-PZ-39S	Total/NA	Water	300.0-1993 R2.1	
680-262176-1 MSD	SCH-PZ-39S	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 877525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-3	SCH-PZ-44I	Total/NA	Water	300.0-1993 R2.1	
680-262176-4	SCH-PZ-69I	Total/NA	Water	300.0-1993 R2.1	
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	300.0-1993 R2.1	
MB 680-877525/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-877525/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-877525/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-262289-D-7 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-262289-D-7 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 877017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-3	SCH-PZ-44I	Total Recoverable	Water	3005A	
MB 680-877017/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-877017/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-271290-E-18-B MS	Matrix Spike	Total Recoverable	Water	3005A	
400-271290-E-18-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 877019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total Recoverable	Water	3005A	
680-262176-2	SCH-PZ-43S	Total Recoverable	Water	3005A	
680-262176-4	SCH-PZ-69I	Total Recoverable	Water	3005A	
680-262176-5	SCH-AP1-EB-4	Total Recoverable	Water	3005A	
MB 680-877019/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-877019/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
752-29791-F-12-B MS	Matrix Spike	Total Recoverable	Water	3005A	
752-29791-F-12-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 877192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total Recoverable	Water	6020B	877019
680-262176-2	SCH-PZ-43S	Total Recoverable	Water	6020B	877019
680-262176-3	SCH-PZ-44I	Total Recoverable	Water	6020B	877017
680-262176-4	SCH-PZ-69I	Total Recoverable	Water	6020B	877019
680-262176-5	SCH-AP1-EB-4	Total Recoverable	Water	6020B	877019
MB 680-877017/1-A	Method Blank	Total Recoverable	Water	6020B	877017
MB 680-877019/1-A	Method Blank	Total Recoverable	Water	6020B	877019
LCS 680-877017/2-A	Lab Control Sample	Total Recoverable	Water	6020B	877017
LCS 680-877019/2-A	Lab Control Sample	Total Recoverable	Water	6020B	877019

Metals (Continued)

Analysis Batch: 877192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-271290-E-18-B MS	Matrix Spike	Total Recoverable	Water	6020B	877017
400-271290-E-18-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	877017
752-29791-F-12-B MS	Matrix Spike	Total Recoverable	Water	6020B	877019
752-29791-F-12-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	877019

Analysis Batch: 877308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total Recoverable	Water	6020B	877019
680-262176-2	SCH-PZ-43S	Total Recoverable	Water	6020B	877019
680-262176-3	SCH-PZ-44I	Total Recoverable	Water	6020B	877017
680-262176-4	SCH-PZ-69I	Total Recoverable	Water	6020B	877019
680-262176-5	SCH-AP1-EB-4	Total Recoverable	Water	6020B	877019
MB 680-877017/1-A	Method Blank	Total Recoverable	Water	6020B	877017
MB 680-877019/1-A	Method Blank	Total Recoverable	Water	6020B	877019
LCS 680-877017/2-A	Lab Control Sample	Total Recoverable	Water	6020B	877017
LCS 680-877019/2-A	Lab Control Sample	Total Recoverable	Water	6020B	877019
400-271290-E-18-B MS	Matrix Spike	Total Recoverable	Water	6020B	877017
400-271290-E-18-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	877017
752-29791-F-12-B MS	Matrix Spike	Total Recoverable	Water	6020B	877019
752-29791-F-12-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	877019

Prep Batch: 877738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	7470A	
680-262176-2	SCH-PZ-43S	Total/NA	Water	7470A	
680-262176-3	SCH-PZ-44I	Total/NA	Water	7470A	
680-262176-4	SCH-PZ-69I	Total/NA	Water	7470A	
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	7470A	
MB 680-877738/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877738/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262293-G-4-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262293-G-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 877845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	7470A	877738
680-262176-2	SCH-PZ-43S	Total/NA	Water	7470A	877738
680-262176-3	SCH-PZ-44I	Total/NA	Water	7470A	877738
680-262176-4	SCH-PZ-69I	Total/NA	Water	7470A	877738
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	7470A	877738
MB 680-877738/1-A	Method Blank	Total/NA	Water	7470A	877738
LCS 680-877738/2-A	Lab Control Sample	Total/NA	Water	7470A	877738
680-262293-G-4-C MS	Matrix Spike	Total/NA	Water	7470A	877738
680-262293-G-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	877738

General Chemistry

Prep Batch: 877149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	9030B	
680-262176-2	SCH-PZ-43S	Total/NA	Water	9030B	

General Chemistry (Continued)

Prep Batch: 877149 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-3	SCH-PZ-44I	Total/NA	Water	9030B	
680-262176-4	SCH-PZ-69I	Total/NA	Water	9030B	
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	9030B	
MB 680-877149/1-A	Method Blank	Total/NA	Water	9030B	
LCS 680-877149/2-A	Lab Control Sample	Total/NA	Water	9030B	
LCSD 680-877149/3-A	Lab Control Sample Dup	Total/NA	Water	9030B	
680-262176-2 MS	SCH-PZ-43S	Total/NA	Water	9030B	
680-262176-2 MSD	SCH-PZ-43S	Total/NA	Water	9030B	
680-262176-1 DU	SCH-PZ-39S	Total/NA	Water	9030B	

Analysis Batch: 877163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	9034	877149
680-262176-2	SCH-PZ-43S	Total/NA	Water	9034	877149
680-262176-3	SCH-PZ-44I	Total/NA	Water	9034	877149
680-262176-4	SCH-PZ-69I	Total/NA	Water	9034	877149
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	9034	877149
MB 680-877149/1-A	Method Blank	Total/NA	Water	9034	877149
LCS 680-877149/2-A	Lab Control Sample	Total/NA	Water	9034	877149
LCSD 680-877149/3-A	Lab Control Sample Dup	Total/NA	Water	9034	877149
680-262176-2 MS	SCH-PZ-43S	Total/NA	Water	9034	877149
680-262176-2 MSD	SCH-PZ-43S	Total/NA	Water	9034	877149
680-262176-1 DU	SCH-PZ-39S	Total/NA	Water	9034	877149

Analysis Batch: 877283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	2320B-2011	
680-262176-2	SCH-PZ-43S	Total/NA	Water	2320B-2011	
680-262176-3	SCH-PZ-44I	Total/NA	Water	2320B-2011	
680-262176-4	SCH-PZ-69I	Total/NA	Water	2320B-2011	
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	2320B-2011	
MB 680-877283/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-877283/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-877283/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
240-219360-K-1 DU	Duplicate	Total/NA	Water	2320B-2011	

Analysis Batch: 877293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	2540C-2011	
680-262176-2	SCH-PZ-43S	Total/NA	Water	2540C-2011	
680-262176-3	SCH-PZ-44I	Total/NA	Water	2540C-2011	
680-262176-4	SCH-PZ-69I	Total/NA	Water	2540C-2011	
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	2540C-2011	
MB 680-877293/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-877293/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-877293/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-262130-C-18 DU	Duplicate	Total/NA	Water	2540C-2011	
680-262130-C-19 DU	Duplicate	Total/NA	Water	2540C-2011	

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-1

Client Sample ID: SCH-PZ-39S

Lab Sample ID: 680-262176-1

Date Collected: 02/24/25 14:37

Matrix: Water

Date Received: 02/25/25 11:30

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	877431	03/01/25 18:52	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877308	02/27/25 11:07	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877192	02/26/25 16:41	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877738	03/04/25 15:20	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 10:41	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877283	02/26/25 20:30	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	877149	02/26/25 15:19	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877163	02/26/25 16:09	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-PZ-43S

Lab Sample ID: 680-262176-2

Date Collected: 02/24/25 14:11

Matrix: Water

Date Received: 02/25/25 11:30

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	877431	03/01/25 19:31	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877308	02/27/25 11:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877192	02/26/25 16:49	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877738	03/04/25 15:20	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 10:10	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877283	02/26/25 20:11	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	877149	02/26/25 15:19	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877163	02/26/25 16:09	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-1

Client Sample ID: SCH-PZ-44I

Lab Sample ID: 680-262176-3

Date Collected: 02/24/25 11:06

Matrix: Water

Date Received: 02/25/25 11:30

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	877525	03/03/25 11:54	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	877017	02/26/25 05:09	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877308	02/27/25 13:58	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	877017	02/26/25 05:09	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877192	02/26/25 21:02	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877738	03/04/25 15:20	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 10:13	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877283	02/26/25 20:02	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	877149	02/26/25 15:19	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877163	02/26/25 16:09	JAS	EET SAV
	Instrument ID: NoEquip									

Client Sample ID: SCH-PZ-69I

Lab Sample ID: 680-262176-4

Date Collected: 02/24/25 12:20

Matrix: Water

Date Received: 02/25/25 11:30

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	877525	03/03/25 12:03	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877308	02/27/25 10:59	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877192	02/26/25 16:36	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877738	03/04/25 15:20	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 10:15	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877283	02/26/25 20:20	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	877149	02/26/25 15:19	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877163	02/26/25 16:09	JAS	EET SAV
	Instrument ID: NoEquip									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-1

Client Sample ID: SCH-AP1-EB-4

Date Collected: 02/24/25 13:09
Date Received: 02/25/25 11:30

Lab Sample ID: 680-262176-5

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	5 mL	5 mL	877525	03/03/25 12:13	AF	EET SAV
	Instrument ID: CICP									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877308	02/27/25 11:11	BWR	EET SAV
	Instrument ID: ICPMSC									
Total Recoverable	Prep	3005A			25 mL	125 mL	877019	02/26/25 05:19	RR	EET SAV
Total Recoverable	Analysis	6020B		1			877192	02/26/25 16:43	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Prep	7470A			50 mL	50 mL	877738	03/04/25 15:20	MG	EET SAV
Total/NA	Analysis	7470A		1			877845	03/05/25 10:17	BJB	EET SAV
	Instrument ID: QuickTrace3									
Total/NA	Analysis	2320B-2011		1			877283	02/26/25 20:43	PG	EET SAV
	Instrument ID: MANTECH 2									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	877293	02/27/25 17:29	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Prep	9030B			6 mL	6 mL	877149	02/26/25 15:19	JAS	EET SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	877163	02/26/25 16:09	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: 680-262176-1
Project/Site: CCR - Plant Scherer 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
Job ID: 680-262176-1
Project/Site: CCR - Plant Scherer Ash Pond

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
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	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 Phone (912) 352-0165

Chain of Custody Record

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Client Information	Sampler(s): Mark Mann	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 - Sulfide	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	6020B - Fe	Total Number of containers	Special Instructions/Notes:
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D		
SCH-PZ-39S	2/24/25	14:37	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	8	
SCH-PZ-43S	2/24/25	14:11	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	10	Extra Rads
SCH-PZ-44I	2/24/25	11:06	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	8	
SCH-PZ-69I	2/24/25	12:20	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	8	
SCH-AP1-EB-4	2/24/25	13:09	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X	8	

680-262176 Chain of Custody

Possible Hazard Identification
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed
Return To Client ☐ Disposal By Lab ☐ Archive For ☐

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	MARK MANN /	2/25/2025 830	WSP	Miranda Mercer	2/25/2025 830	COURIERNOW
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2-25-25 1130	Company TM
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: 1.7/1.7 0.6/0.6

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 (Sub Contract Lab)	Sampler: N/A	Lab PM: Fuller, David	Carrier Tracking No(s): N/A	COC No: 680-795230.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-262176-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/7/2025			
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: CCR - Plant Scherer Ash Pond	Project #: 68027798			
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)	9315_Ra226/PrecSep_21 Radium-226 (GFPC) - 21 day decay	9320_Ra228/PrecSep_0 Radium-228 (GFPC)	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SCH-PZ-39S (680-262176-1)	2/24/25	14:37 Eastern	G	Water			X	X	X	2	
SCH-PZ-43S (680-262176-2)	2/24/25	14:11 Eastern	G	Water			X	X	X	4	
SCH-PZ-44I (680-262176-3)	2/24/25	11:06 Eastern	G	Water			X	X	X	2	
SCH-PZ-69I (680-262176-4)	2/24/25	12:20 Eastern	G	Water			X	X	X	2	
SCH-AP1-EB-4 (680-262176-5)	2/24/25	13:09 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
	2-26-25 1415	TA	M. Pinette	FEB 27 2025 0825	
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:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262176-1

Login Number: 262176

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	

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: Joju Abraham
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 4/22/2025 12:06:42 PM

JOB DESCRIPTION

CCR - Plant Scherer Ash Pond

JOB NUMBER

680-262176-2

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

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 Southeast, LLC Project Manager.

Authorization



Generated
4/22/2025 12:06:42 PM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-262176-2
Project/Site: CCR - Plant Scherer Ash Pond

Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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: 680-262176-2
Project/Site: CCR - Plant Scherer Ash Pond

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262176-1	SCH-PZ-39S	Water	02/24/25 14:37	02/25/25 11:30
680-262176-2	SCH-PZ-43S	Water	02/24/25 14:11	02/25/25 11:30
680-262176-3	SCH-PZ-44I	Water	02/24/25 11:06	02/25/25 11:30
680-262176-4	SCH-PZ-69I	Water	02/24/25 12:20	02/25/25 11:30
680-262176-5	SCH-AP1-EB-4	Water	02/24/25 13:09	02/25/25 11:30

Job ID: 680-262176-2 Eurofins Savannah

Job Narrative
680-262176-2

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 2/25/2025 11:30 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 0.6°C and 1.7°C.

Gas Flow Proportional Counter
Method 9320_Ra228: Radium 228 batch 705316
The LCS recovered at (74%). The limits in our LIMS system at 75-125 reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (68-154%) per method requirements. The LCS passes, no further action is required (LCS 160-705316/2-A)

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: SCH-PZ-39S

Lab Sample ID: 680-262176-1

Date Collected: 02/24/25 14:37

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0252	U	0.0703	0.0703	1.00	0.128	pCi/L	03/28/25 07:36	04/21/25 09:45	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.4*		*30 - 110*	*03/28/25 07:36*	*04/21/25 09:45*	*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	0.0868	U *	0.368	0.368	1.00	0.669	pCi/L	02/28/25 08:15	03/20/25 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*76.4*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*
Y Carrier	*81.1*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*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	0.112	U	0.375	0.375	5.00	0.669	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-PZ-43S

Lab Sample ID: 680-262176-2

Date Collected: 02/24/25 14:11

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0362	U	0.0750	0.0751	1.00	0.134	pCi/L	03/28/25 07:36	04/21/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*77.5*		*30 - 110*	*03/28/25 07:36*	*04/21/25 15:17*	*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	0.00785	U *	0.356	0.356	1.00	0.662	pCi/L	02/28/25 08:15	03/20/25 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*80.6*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*
Y Carrier	*84.5*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*

Client Sample ID: SCH-PZ-43S

Lab Sample ID: 680-262176-2

Date Collected: 02/24/25 14:11

Matrix: Water

Date Received: 02/25/25 11:30

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	0.0441	U	0.364	0.364	5.00	0.662	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-PZ-44I

Lab Sample ID: 680-262176-3

Date Collected: 02/24/25 11:06

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0682	U	0.0493	0.0497	1.00	0.135	pCi/L	03/28/25 07:36	04/21/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*73.6*		*30 - 110*	*03/28/25 07:36*	*04/21/25 15:17*	*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	0.134	U *	0.312	0.313	1.00	0.551	pCi/L	02/28/25 08:15	03/20/25 12:52	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.6*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*
Y Carrier	*86.7*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*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	0.0662	U	0.316	0.317	5.00	0.551	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-PZ-69I

Lab Sample ID: 680-262176-4

Date Collected: 02/24/25 12:20

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0412	U	0.0681	0.0682	1.00	0.118	pCi/L	03/28/25 07:36	04/21/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*79.7*		*30 - 110*	*03/28/25 07:36*	*04/21/25 15:17*	*1*

Client Sample ID: SCH-PZ-69I

Lab Sample ID: 680-262176-4

Date Collected: 02/24/25 12:20

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.306	U *	0.297	0.298	1.00	0.472	pCi/L	02/28/25 08:15	03/20/25 12:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.5*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:53*	*1*
Y Carrier	*86.0*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:53*	*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	0.347	U	0.305	0.306	5.00	0.472	pCi/L		04/22/25 09:26	1

Client Sample ID: SCH-AP1-EB-4

Lab Sample ID: 680-262176-5

Date Collected: 02/24/25 13:09

Matrix: Water

Date Received: 02/25/25 11:30

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0292	U	0.0623	0.0624	1.00	0.114	pCi/L	03/28/25 07:36	04/21/25 15:17	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*68.5*		*30 - 110*	*03/28/25 07:36*	*04/21/25 15:17*	*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	0.0791	U *	0.419	0.420	1.00	0.755	pCi/L	02/28/25 08:15	03/20/25 12:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*87.4*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:53*	*1*
Y Carrier	*77.0*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:53*	*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	0.108	U	0.424	0.425	5.00	0.755	pCi/L		04/22/25 09:26	1

Tracer/Carrier Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-2

Method: 9315 - Radium-226 (GFPC)

Matrix: Water | **Prep Type: Total/NA**

		Percent Yield (Acceptance Limits)
		Ba
Lab Sample ID	Client Sample ID	(30-110)
680-262176-1	SCH-PZ-39S	80.4
680-262176-2	SCH-PZ-43S	77.5
680-262176-3	SCH-PZ-44I	73.6
680-262176-4	SCH-PZ-69I	79.7
680-262176-5	SCH-AP1-EB-4	68.5
LCS 160-709797/2-A	Lab Control Sample	74.1
LCSD 160-709797/3-A	Lab Control Sample Dup	76.0
MB 160-709797/1-A	Method Blank	74.6

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)
680-262176-1	SCH-PZ-39S	76.4	81.1
680-262176-2	SCH-PZ-43S	80.6	84.5
680-262176-2 DU	SCH-PZ-43S	91.6	83.0
680-262176-3	SCH-PZ-44I	85.6	86.7
680-262176-4	SCH-PZ-69I	89.5	86.0
680-262176-5	SCH-AP1-EB-4	87.4	77.0
LCS 160-705316/2-A	Lab Control Sample	92.7	80.4
MB 160-705316/1-A	Method Blank	85.3	81.9

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-709797/1-A
Matrix: Water
Analysis Batch: 713556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 709797

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01948	U	0.0561	0.0561	1.00	0.106	pCi/L	03/28/25 07:36	04/21/25 09:54	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*74.6*		*30 - 110*	*03/28/25 07:36*	*04/21/25 09:54*	*1*

Lab Sample ID: LCS 160-709797/2-A
Matrix: Water
Analysis Batch: 713556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 709797

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	11.09		1.16	1.00	0.107	pCi/L	116	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*74.1*		*30 - 110*

Lab Sample ID: LCSD 160-709797/3-A
Matrix: Water
Analysis Batch: 713556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 709797

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226			9.58	9.902		1.05	1.00	0.0949	pCi/L	103	75 - 125	0.54	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Ba Carrier	*76.0*		*30 - 110*

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-705316/1-A
Matrix: Water
Analysis Batch: 708686

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705316

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.07654	U	0.344	0.344	1.00	0.661	pCi/L	02/28/25 08:15	03/20/25 12:52	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.3*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*
Y Carrier	*81.9*		*30 - 110*	*02/28/25 08:15*	*03/20/25 12:52*	*1*

Method: 9320 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-705316/2-A
Matrix: Water
Analysis Batch: 708582

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705316

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.00	5.894		1.18	1.00	0.841	pCi/L	74	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*92.7*		*30 - 110*
Y Carrier	*80.4*		*30 - 110*

Lab Sample ID: 680-262176-2 DU
Matrix: Water
Analysis Batch: 708686

Client Sample ID: SCH-PZ-43S
Prep Type: Total/NA
Prep Batch: 705316

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-228	0.00785	U *		0.04182	U *	0.304	1.00	0.559	pCi/L			0.05	1

Carrier	*DU %Yield*	*DU Qualifier*	*Limits*
Ba Carrier	*91.6*		*30 - 110*
Y Carrier	*83.0*		*30 - 110*

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-2

Rad

Prep Batch: 705316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	PrecSep_0	
680-262176-2	SCH-PZ-43S	Total/NA	Water	PrecSep_0	
680-262176-3	SCH-PZ-44I	Total/NA	Water	PrecSep_0	
680-262176-4	SCH-PZ-69I	Total/NA	Water	PrecSep_0	
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	PrecSep_0	
MB 160-705316/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-705316/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
680-262176-2 DU	SCH-PZ-43S	Total/NA	Water	PrecSep_0	

Prep Batch: 709797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262176-1	SCH-PZ-39S	Total/NA	Water	PrecSep-21	
680-262176-2	SCH-PZ-43S	Total/NA	Water	PrecSep-21	
680-262176-3	SCH-PZ-44I	Total/NA	Water	PrecSep-21	
680-262176-4	SCH-PZ-69I	Total/NA	Water	PrecSep-21	
680-262176-5	SCH-AP1-EB-4	Total/NA	Water	PrecSep-21	
MB 160-709797/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-709797/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-709797/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-2

Client Sample ID: SCH-PZ-39S

Lab Sample ID: 680-262176-1

Date Collected: 02/24/25 14:37

Matrix: Water

Date Received: 02/25/25 11:30

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			1002.19 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713557	04/21/25 09:45	SWS	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Prep	PrecSep_0			1000.72 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708686	03/20/25 12:52	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-43S

Lab Sample ID: 680-262176-2

Date Collected: 02/24/25 14:11

Matrix: Water

Date Received: 02/25/25 11:30

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			1003.60 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 15:17	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1002.03 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708686	03/20/25 12:52	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-44I

Lab Sample ID: 680-262176-3

Date Collected: 02/24/25 11:06

Matrix: Water

Date Received: 02/25/25 11:30

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			1006.33 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 15:17	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1001.34 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708686	03/20/25 12:52	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-PZ-69I

Lab Sample ID: 680-262176-4

Date Collected: 02/24/25 12:20

Matrix: Water

Date Received: 02/25/25 11:30

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			1002.95 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 15:17	SWS	EET SL
	Instrument ID: GFPCBLUE									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-2

Client Sample ID: SCH-PZ-69I

Lab Sample ID: 680-262176-4

Date Collected: 02/24/25 12:20
Matrix: Water
Date Received: 02/25/25 11:30

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			1000.76 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708686	03/20/25 12:53	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	SCB	EET SL
	Instrument ID: NOEQUIP									

Client Sample ID: SCH-AP1-EB-4

Lab Sample ID: 680-262176-5

Date Collected: 02/24/25 13:09
Matrix: Water
Date Received: 02/25/25 11:30

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			1002.89 mL	1.0 g	709797	03/28/25 07:36	OGC	EET SL
Total/NA	Analysis	9315		1			713556	04/21/25 15:17	SWS	EET SL
	Instrument ID: GFPCBLUE									
Total/NA	Prep	PrecSep_0			1005.07 mL	1.0 g	705316	02/28/25 08:15	OGC	EET SL
Total/NA	Analysis	9320		1			708686	03/20/25 12:53	FLC	EET SL
	Instrument ID: GFPCPURPLE									
Total/NA	Analysis	Ra226_Ra228		1			713840	04/22/25 09:26	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: 680-262176-2
Project/Site: CCR - Plant Scherer 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: CCR - Plant Scherer Ash Pond

Job ID: 680-262176-2

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 Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler(s): Mark Mann	Lab PM / Phone: David Fuller / 770-344-8986	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Site-Project Manager / Phone: Dawn Prell / 248-536-5445	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: GA	Page: Page 1 of 1
Company: Southern Company				Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (business days): 2 weeks			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone:	Lab Project #: (DO NOT REMOVE) 68027798			
Email: JAbraham@southernco.com	Lab PO #: GPC82130-0003 / PO Line #1			
Project Name: CCR - Plant Scherer Ash Pond	Project #:			
Site:				

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Task_Code: SCH-CCR-ASSMT-2025S1

Special Instructions/Notes:

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)	300_ORGFM_28D - Chloride, Fluoride, Sulfate	2540C - Solids, Total Dissolved (TDS)	6020B - App III and IV metals w/ Mg, Mn, Na, K	7470A - App IV Mercury	9034 - Sulfide	2320B - Alkalinity, Total, Carb/Bicarb	9315_Ra226 - Radium 226	9320_Ra228 - Radium 228	Ra226Ra228_GFPC - Combined Radium 226 and 228	6020B - Fe	Total Number of containers	Special Instructions/Notes:
			Preservation Code:				N	N	D	D	CB	N	D	D	D	D		
SCH-PZ-39S	2/24/25	14:37	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	8	
SCH-PZ-43S	2/24/25	14:11	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	10	Extra Rads
SCH-PZ-44I	2/24/25	11:06	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	8	
SCH-PZ-69I	2/24/25	12:20	G	WG	N	N	X	X	X	X	X	X	X	X	X	X	8	
SCH-AP1-EB-4	2/24/25	13:09	G	WQ	N	N	X	X	X	X	X	X	X	X	X	X	8	

680-262176 Chain of Custody

Possible Hazard Identification
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed
Return To Client ☐ Disposal By Lab ☐ Archive For ☐

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	MARK MANN /	2/25/2025 830	WSP	Miranda Mercer	2/25/2025 830	COURIER NOW
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2-25-25 1130	Company TM
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: 1.7/1.7 0.6/0.6

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: 680-795230.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: David.Fuller@et.eurofinsus.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida; State - Georgia		Job #: 680-262176-1
Address: 13715 Rider Trail North, ,	Due Date Requested: 3/7/2025	Analysis Requested		Preservation Codes: -
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: CCR - Plant Scherer Ash Pond	Project #: 68027798			
Site: N/A	SSOW#: N/A			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)	9315_Ra226/PrecSep_21 Radium-226 (GFPC) - 21 day decay	9320_Ra228/PrecSep_0 Radium-228 (GFPC)	Ra226Ra228_GFPC/ Combined Radium-226 and Radium-228	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SCH-PZ-39S (680-262176-1)	2/24/25	14:37 Eastern	G	Water			X	X	X	2	
SCH-PZ-43S (680-262176-2)	2/24/25	14:11 Eastern	G	Water			X	X	X	4	
SCH-PZ-44I (680-262176-3)	2/24/25	11:06 Eastern	G	Water			X	X	X	2	
SCH-PZ-69I (680-262176-4)	2/24/25	12:20 Eastern	G	Water			X	X	X	2	
SCH-AP1-EB-4 (680-262176-5)	2/24/25	13:09 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
	2-26-25 1415	TA	M. Pinetta	FEB 27 2025 0825	
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:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-262176-2

Login Number: 262176

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	

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: 680-262176-2

Login Number: 262176
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 02/27/25 11:21 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.

APPENDIX B

Data Validation Summaries

Quality Control Review of Analytical Data - Plant Scherer Ash Pond 1 (AP-1)
Submitted by Eurofins Environmental Testing
February 2025

This narrative presents results of the quality control (QC) data review performed on analytical data submitted to Eurofins Environmental Testing, Inc. for groundwater samples collected at Plant Scherer CCR Ash Pond 1 (AP-1) between February 19 and February 24, 2025. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1. In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D - Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma - Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions by Ion Chromatography (USEPA Method 300.0), Total Dissolved Solids (Standard Methods 2540C), Sulfide (EPA 9034), Alkalinity by Titration (Standard Methods 2320B), Radium-226 (USEPA Method 9315) and Radium-228 (USEPA Method 9320).

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program (CLP) Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0), US EPA Region IV Data Validation Standard Operating Procedures for CLP Mercury Data by Cold Vapor Atomic Absorption (September 2011, Rev. 2.0), the National Functional Guidelines for Inorganic Superfund Methods Data Review (November 2020), and US Department of Energy, Evaluation of Radiochemical Data Usability (April 1997). The review included an assessment of the results for completeness, precision (field and laboratory duplicates, matrix spike/matrix spike duplicates), accuracy (laboratory control samples and matrix spike samples), and sensitivity (reporting limits and blank contamination, including field and laboratory blanks). Additionally, sample procedures, holding times and chains-of-custody were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytic methodology, method-specific criteria or professional judgment was used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met with the exception of alkalinity (total and bicarbonate as $CaCO_3$), chloride, fluoride, sulfate, manganese, and sulfide, as described in the qualification section below.

Field Precision: Field goals for precision were met with the exception of barium, chloride, alkalinity (total and bicarbonate as $CaCO_3$), and iron, as described in the qualification section below.

Accuracy: Laboratory goals for accuracy were met with the exception of chloride, sulfate, boron, magnesium, sodium, calcium, and mercury, as described in the qualification section below.

Sensitivity: Project goals for detection limits were met with the exception of total dissolved solids (TDS). A lesser volume of sample was used for selected samples in TDS analysis due to the nature of the sample matrix, resulting in elevated reporting limits (RLs).

Certain samples were diluted due to elevated concentrations of target analytes. Dilutions do not require qualifications based on USEPA guidelines. Detection and reporting limits of non-detect compounds are elevated proportional to the dilution when undiluted sample results are not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization. Detections were found in certain blank results, as described in the qualification sections below.

Completeness: There were no rejected analytical results for this event, resulting in a completeness of 100%.

Holding Times: All holding time requirements were met in accordance with specific analytical methods.

QUALIFICATIONS

In general, chemical results for the samples collected at the Site were qualified on the basis of precision, accuracy, sensitivity, or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data during the data validation process.

J	The analyte was reported above the method detection limit and below the reporting limit. The concentration reported is an estimated value.
J+	The analyte was reported above the method detection limit; however, the concentration reported is an estimated value that may be biased high.
J-	The analyte was reported above the method detection limit; however, the concentration reported is an estimated value that may be biased low.
U	The analyte was not detected above the method detection limit.
UJ	The analyte was not detected at a level greater than or equal to the reporting limit. However, the reporting limit was approximate and may be inaccurate or imprecise.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. Although these qualifications were applied to data from samples collected at the site and reported in SDGs, qualifications may not have been required or applied to all samples collected. A summary of sample qualifications can be found in Table 2.

- The laboratory duplicate for sample SCH-SGWC-10 in SDG 680-262055-1 displayed relative percent differences (RPDs) above QC criteria for alkalinity total as $CaCO_3$ and bicarbonate alkalinity as $CaCO_3$. The results were qualified as estimated, J.

- RPDs were above QC criteria for matrix spike and matrix spike duplicate (MS/MSDs) for chloride, fluoride, sulfate, manganese, and sulfide for select samples in SDGs 680-262055-1 and 680-262130-1, and as a result were qualified as estimated (J/UJ).

- Field duplicate RPDs and absolute differences were outside of criteria for field duplicate samples SCH-AP1-FD-2 and SCH-AP1-FD-3, and their associated parent samples SCH-SGWC-12 and SCH-PZ-13S, respectively, for select results. Chloride for sample pair SCH-AP1-FD-2 and SCH-SGWC-12 was qualified as estimated, J. And sample pair SCH-AP1-FD-3 and SCH-PZ-13S were qualified as estimated, J, for alkalinity (total and bicarbonate as $CaCO_3$) and iron. Additionally,

samples SCH-AP1-FD-3 and SCH-PZ-13S field duplicate absolute difference criteria were exceeded for lead, and qualified as estimated, J or UJ.

- Certain sulfate results in samples SCH-SGWC-10 and SCH-PZ-39S displayed MS and MSD recoveries that were above QC limits, and as a result, were qualified as estimated, bias high, J+.
- Sulfate and chloride MS and MSD recoveries in sample SCH-SGWA-5 recovered below QC limits and as a result, these results were qualified as estimated, bias low, J-.
- Mercury displayed MS and MSD recoveries below QC limits and as a result, associated sample SCH-SGWC-12 was qualified as estimated, bias low, J-.
- In SDG 680-262130-1, sample SCH-PZ-41S displayed MS and MSD recoveries for boron, calcium, magnesium, and sodium that were below QC limits, but qualification was not required because the native sample concentrations were all greater than four times the spike concentration.
- Certain barium, boron, chromium, magnesium, iron, lithium, manganese, and sodium results in SDGs 680-262130-1, 680-262176-1, and 680-262055-1 were qualified as non-detect (U) when the analyte was detected at a similar level in an associated blank sample. As shown in Table 2, if the original sample results were below the reporting limit (RL), the results were qualified as non-detect (U) and the RL was reported. If the original sample results were greater than the RL, the original results were reported and were U qualified.

WSP reviewed the data from samples collected at Plant Scherer CCR AP-1 between February 19 and February 24, 2025, in accordance with the analytical methods, the laboratory specific QC criteria, and the guidelines. As described above, 100% of the results were acceptable for project use. The data are considered usable for meeting project objectives and the results are considered valid.

REFERENCE

Paar, J.G. & Porterfield, D.R. *Evaluation of Radiochemical Data Usability.* United States Department of Energy, Office of Environmental Restoration and Waste Management, Oak Ridge National Laboratory, April 1997.

USEPA, November 2020, National, Office of Superfund Remediation and Technology Innovation, *National Functional Guidelines for Inorganic Superfund Methods Data Review.*

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data By Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy,* Revision 2.0.

USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, *Data Validation Standard Operating Procedures for Contract Laboratory Program Mercury Data By Cold Vapor Atomic Absorption,* Revision 2.0.

TABLE 1

Sample Summary Table
SCS Plant Scherer

						Analyses								
SDGs	***Field Identification***	***Collection Date***	***Lab Identification***	***Matrix***	***QC Samples***	**Total Mercury (EPA 7470A)**	**Alkalinity (SM 2320B)**	**TDS (SM 2540C-2011)**	**Total Metals + Cations (EPA 6020B)**	**Iron (EPA 6020B)**	**Anions (EPA 300.0)**	**Sulfide (EPA 9034)**	**Radium-226 (EPA 9315)**	**Radium-228 (EPA 9320)**
680-262055-1	SCH-SGWA-4	02/19/25	680-262055-1	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-7	02/19/25	680-262055-2	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-8	02/19/25	680-262055-3	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-9	02/19/25	680-262055-4	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-10	02/19/25	680-262055-5	WG	-	X	X	X	X	X	X	X	-	-
680-262055-1	SCH-SGWC-12	02/19/25	680-262055-6	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-13	02/19/25	680-262055-7	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-14	02/19/25	680-262055-8	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-16	02/19/25	680-262055-9	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWC-17	02/19/25	680-262055-10	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWA-24	02/19/25	680-262055-11	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-SGWA-25	02/19/25	680-262055-12	WG	-	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-PZ-13S	02/19/25	680-262055-13	WG	-	X	X	X	X	X	X	X	-	-
680-262055-1	SCH-PZ-14S	02/19/25	680-262055-14	WG	-	X	X	X	X	X	X	X	-	-
680-262055-1	SCH-AP1-FD-1	02/19/25	680-262055-15	WG	FD (SCH-SGWC-9)	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-AP1-FD-2	02/19/25	680-262055-17	WG	FD (SCH-SGWC-12)	X	X	X	X	-	X	-	-	-
680-262055-1	SCH-AP1-FD-3	02/19/25	680-262055-19	WG	FD (SCH-PZ-13S)	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWA-1	2/20/2025	680-262130-1	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-SGWA-2	2/20/2025	680-262130-2	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-SGWA-5	2/20/2025	680-262130-3	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-SGWC-6	2/20/2025	680-262130-4	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-SGWC-11	2/20/2025	680-262130-5	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWC-15	2/20/2025	680-262130-6	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWC-20	2/20/2025	680-262130-7	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWA-3	2/20/2025	680-262130-8	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-PZ-42I	2/20/2025	680-262130-11	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWC-22	2/20/2025	680-262130-13	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-PZ-40I	2/20/2025	680-262130-14	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWC-21	2/20/2025	680-262130-15	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-PZ-17I	2/21/2025	680-262130-16	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-PZ-41S	2/21/2025	680-262130-18	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-AP1-FD-4	2/21/2025	680-262130-19	WG	FD (SCH-PZ-41S)	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWC-18	2/21/2025	680-262130-20	WG	-	X	X	X	X	X	X	X	-	-
680-262130-1	SCH-SGWC-19	2/21/2025	680-262130-21	WG	-	X	X	X	X	-	X	-	-	-
680-262130-1	SCH-SGWC-23	2/21/2025	680-262130-22	WG	-	X	X	X	X	-	X	-	-	-
680-262176-1	SCH-PZ-39S	2/24/2025	680-262176-1	WG	-	X	X	X	X	X	X	X	-	-
680-262176-1	SCH-PZ-43S	2/24/2025	680-262176-2	WG	-	X	X	X	X	X	X	X	-	-
680-262176-1	SCH-PZ-44I	2/24/2025	680-262176-3	WG	-	X	X	X	X	X	X	X	-	-
680-262176-1	SCH-PZ-69I	2/24/2025	680-262176-4	WG	-	X	X	X	X	X	X	X	-	-
680-262126-1	SCH-PZ-25S	2/21/2025	680-262126-1	WG	-	X	X	X	X	-	X	-	-	-
680-262126-1	SCH-PZ-25I	2/21/2025	680-262126-2	WG	-	-	X	X	X	-	X	-	-	-
680-262055-2	SCH-SGWA-4	2/19/2025	680-262055-1	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-7	2/19/2025	680-262055-2	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-8	2/19/2025	680-262055-3	WG	-	-	-	-	-	-	-	-	X	X

TABLE 1

Sample Summary Table
SCS Plant Scherer

						Analyses								
SDGs	***Field Identification***	***Collection Date***	***Lab Identification***	***Matrix***	***QC Samples***	**Total Mercury (EPA 7470A)**	**Alkalinity (SM 2320B)**	**TDS (SM 2540C-2011)**	**Total Metals + Cations (EPA 6020B)**	**Iron (EPA 6020B)**	**Anions (EPA 300.0)**	**Sulfide (EPA 9034)**	**Radium-226 (EPA 9315)**	**Radium-228 (EPA 9320)**
680-262055-2	SCH-SGWC-9	2/19/2025	680-262055-4	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-10	2/19/2025	680-262055-5	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-12	2/19/2025	680-262055-6	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-13	2/19/2025	680-262055-7	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-14	2/19/2025	680-262055-8	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-16	2/19/2025	680-262055-9	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWC-17	2/19/2025	680-262055-10	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWA-24	2/19/2025	680-262055-11	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-SGWA-25	2/19/2025	680-262055-12	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-PZ-13S	2/19/2025	680-262055-13	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-PZ-14S	2/19/2025	680-262055-14	WG	-	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-AP1-FD-1	2/19/2025	680-262055-15	WG	FD (SCH-SGWC-9)	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-AP1-FD-2	2/19/2025	680-262055-17	WG	FD (SCH-SGWC-12)	-	-	-	-	-	-	-	X	X
680-262055-2	SCH-AP1-FD-3	2/19/2025	680-262055-19	WG	FD (SCH-PZ-13S)	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWA-1	2/20/2025	680-262130-1	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWA-2	2/20/2025	680-262130-2	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWA-5	2/20/2025	680-262130-3	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-6	2/20/2025	680-262130-4	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-11	2/20/2025	680-262130-5	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-15	2/20/2025	680-262130-6	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-20	2/20/2025	680-262130-7	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWA-3	2/20/2025	680-262130-8	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-PZ-42I	2/20/2025	680-262130-11	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-22	2/20/2025	680-262130-13	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-PZ-40I	2/20/2025	680-262130-14	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-21	2/20/2025	680-262130-15	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-PZ-17I	2/21/2025	680-262130-16	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-PZ-41S	2/21/2025	680-262130-18	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-AP1-FD-4	2/21/2025	680-262130-19	WG	FD (SCH-PZ-41S)	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-18	2/21/2025	680-262130-20	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-19	2/21/2025	680-262130-21	WG	-	-	-	-	-	-	-	-	X	X
680-262130-2	SCH-SGWC-23	2/21/2025	680-262130-22	WG	-	-	-	-	-	-	-	-	X	X
680-262176-2	SCH-PZ-39S	2/24/2025	680-262176-1	WG	-	-	-	-	-	-	-	-	X	X
680-262176-2	SCH-PZ-43S	2/24/2025	680-262176-2	WG	-	-	-	-	-	-	-	-	X	X
680-262176-2	SCH-PZ-44I	2/24/2025	680-262176-3	WG	-	-	-	-	-	-	-	-	X	X
680-262176-2	SCH-PZ-69I	2/24/2025	680-262176-4	WG	-	-	-	-	-	-	-	-	X	X
680-262126-2	SCH-PZ-25S	2/21/2025	680-262126-1	WG	-	-	-	-	-	-	-	-	X	X

Abbreviations:

SDG- Sample Delivery Group
QC - Quality Control
WG - Groundwater
WQ - Water quality control
EPA - Environmental Protection Agency

FB - Field Blank
EB - Equipment Blank
FD - Field Duplicate

TABLE 2
Qualifier Summary Table
SCS Plant Scherer

SDG	*Sample Name*	*Constituent*	*New Result*	*New RL or MDC*	*Qualifier*	*Reason*
680-262055-1	SCH-PZ-14S	Boron	0.08	-	U	Field Blank Contamination sample less than RL
680-262055-1	SCH-PZ-14S	Chromium	-	0.0024	U	Field Blank Contamination, sample greater than RL
680-262055-1	SCH-SGWC-10	Sulfate	-	-	J+	MS/MSD above QC criteria
680-262055-1	SCH-AP1-FD-1	Sulfate	-	-	J-	MSD below QC criteria
680-262055-1	SCH-AP1-FD-1	Fluoride	-	-	UJ	MSD and RPD outside QC criteria
680-262055-1	SCH-AP1-FD-1	Chloride	-	-	J	MSD and RPD outside QC criteria
680-262055-1	SCH-AP1-FD-3	Sulfate	-	-	UJ	RPD outside QC criteria
680-262055-1	SCH-SGWA-4	Manganese	-	-	J	MS and RPD outside QC criteria
680-262055-1	SCH-SGWC-12	Mercury	-	-	UJ	MS/MSD below QC criteria
680-262055-1	SCH-PZ-13S	Sulfide	-	-	UJ	MS/MSD and RPD outside QC criteria
680-262055-1	SCH-SGWC-9	Barium	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-AP1-FD-1	Barium	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-SGWC-12	Chloride	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-AP1-FD-2	Chloride	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-PZ-13S	Alkalinity Total as CaCO3	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-AP1-FD-3	Alkalinity Total as CaCO3	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-PZ-13S	Bicarbonate Alkalinity as CaCO3	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-AP1-FD-3	Bicarbonate Alkalinity as CaCO3	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-PZ-13S	Iron	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-AP1-FD-3	Iron	-	-	J	Field duplicate RPD exceeds QC criteria
680-262055-1	SCH-PZ-13S	Lead	-	-	J	Field duplicate absolute difference exceeds QC criteri
680-262055-1	SCH-AP1-FD-3	Lead	-	-	UJ	Field duplicate absolute difference exceeds QC criteri
680-262055-1	SCH-SGWC-10	Alkalinity Total as CaCO3	-	-	J	Lab duplicate RPD exceeds QC criteria
680-262055-1	SCH-SGWC-10	Bicarbonate Alkalinity as CaCO3	-	-	J	Lab duplicate RPD exceeds QC criteria
680-262130-1	SCH-PZ-42I	Chromium	0.002	-	U	Field Blank Contamination sample less than RL
680-262130-1	SCH-PZ-42I	Iron	0.1	-	U	Field Blank Contamination sample less than RL
680-262130-1	SCH-PZ-41S	Lithium	-	0.0057	U	Method Blank Contamination sample greater than RL
680-262130-1	SCH-SGWA-5	Sulfate	-	-	UJ	MS/MSD below QC criteria
680-262130-1	SCH-SGWA-5	Fluoride	-	-	UJ	MS/MSD and RPD outside QC criteria
680-262130-1	SCH-SGWA-5	Chloride	-	-	J-	MS/MSD below QC criteria
680-262055-1	SCH-PZ-39S	Sulfate	-	-	J+	MS/MSD above QC criteria

Abbreviations:
RL : Reporting limit
MDC : Minimum detectable concentration
SDG : Sample delivery group
MS/MSD: Matrix Spike/Matrix Spike Duplicate
RPD: Relative Percent Difference
QC: Quality control

Qualifiers:
U: Non-detect
UJ: Non-detect, estimated
J: Estimated
J+: Estimated, high bias
J-: Estimated, low bias

APPENDIX B

Laboratory Accreditation



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E87052

EUROFINS SAVANNAH
5102 LAROCHE AVENUE
SAVANNAH, GA 31404

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP III UNREGULATED CONTAMINANTS, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87052-83-07/01/2024
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Drinking Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5180	1,2,3-Trichloropropane	EPA 504.1	10082801	Group II Unregulated Contaminants	4/18/2011
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1	10082801	Synthetic Organic Contaminants	2/6/2002
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 504.1	10082801	Synthetic Organic Contaminants	2/6/2002
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
1505	Alkalinity as CaCO3	SM 2320 B-2011	20045618	Primary Inorganic Contaminants	1/31/2024
1000	Aluminum	EPA 200.7	10013806	Secondary Inorganic Contaminants	6/17/2003
1000	Aluminum	EPA 200.8	10014605	Secondary Inorganic Contaminants	6/17/2003
1510	Amenable cyanide	SM 4500-CN^- G-2016	20097238	Primary Inorganic Contaminants	1/31/2024
1005	Antimony	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1010	Arsenic	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1015	Barium	EPA 200.7	10013806	Primary Inorganic Contaminants	2/6/2002
1015	Barium	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1020	Beryllium	EPA 200.7	10013806	Primary Inorganic Contaminants	2/6/2002
1020	Beryllium	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1025	Boron	EPA 200.7	10013806	Secondary Inorganic Contaminants	12/2/2010
1535	Bromate	EPA 300.1	10275602	Primary Inorganic Contaminants	9/5/2002
1540	Bromide	EPA 300.1	10275602	Primary Inorganic Contaminants	10/17/2003
9312	Bromoacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	9/5/2002
1030	Cadmium	EPA 200.7	10013806	Primary Inorganic Contaminants	2/6/2002
1030	Cadmium	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1035	Calcium	EPA 200.7	10013806	Primary Inorganic Contaminants	2/6/2002
1570	Chlorate	EPA 300.1	10275602	Secondary Inorganic Contaminants	7/30/2007
1575	Chloride	EPA 300.0	10053200	Secondary Inorganic Contaminants	2/6/2002
1575	Chloride	EPA 325.2	10057202	Secondary Inorganic Contaminants	2/6/2002

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Drinking Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1575	Chloride	SM 4500-Cl^- E-2011	20086811	Secondary Inorganic Contaminants	1/31/2024
1595	Chlorite	EPA 300.1	10275602	Primary Inorganic Contaminants	12/2/2005
9336	Chloroacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	9/5/2002
1040	Chromium	EPA 200.7	10013806	Primary Inorganic Contaminants	2/6/2002
1040	Chromium	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1605	Color	EPA 110.2	10005604	Secondary Inorganic Contaminants	2/6/2002
1605	Color	SM 2120 B-2011	20039310	Secondary Inorganic Contaminants	1/31/2024
1610	Conductivity	SM 2510 B-2011	20048617	Primary Inorganic Contaminants	1/31/2024
1055	Copper	EPA 200.7	10013806	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	2/6/2002
1055	Copper	EPA 200.8	10014605	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	6/24/2003
1620	Corrosivity (langlier index)	SM 2330 B	20003207	Secondary Inorganic Contaminants	2/6/2002
1635	Cyanide	EPA 335.4	10061402	Primary Inorganic Contaminants	2/6/2002
9357	Dibromoacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	9/5/2002
9360	Dichloroacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	9/5/2002
1710	Dissolved organic carbon (DOC)	SM 5310 B-2014	20137831	Primary Inorganic Contaminants	1/31/2024
1730	Fluoride	EPA 300.0	10053200	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	2/6/2002
1750	Hardness	EPA 130.2	10007202	Secondary Inorganic Contaminants	11/18/2008
1750	Hardness	SM 2340 B-2011	20046611	Secondary Inorganic Contaminants	1/31/2024
1750	Hardness	SM 2340 C	20047603	Secondary Inorganic Contaminants	11/18/2008
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
1070	Iron	EPA 200.7	10013806	Secondary Inorganic Contaminants	2/6/2002
1075	Lead	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1085	Magnesium	EPA 200.7	10013806	Secondary Inorganic Contaminants	2/6/2002
1090	Manganese	EPA 200.7	10013806	Secondary Inorganic Contaminants	2/6/2002
1090	Manganese	EPA 200.8	10014605	Secondary Inorganic Contaminants	6/24/2003
1095	Mercury	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1095	Mercury	EPA 245.1	10036609	Primary Inorganic Contaminants	6/24/2003
1100	Molybdenum	EPA 200.7	10013806	Secondary Inorganic Contaminants	12/2/2005
1100	Molybdenum	EPA 200.8	10014605	Secondary Inorganic Contaminants	6/23/2010
4846	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Drinking Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1105	Nickel	EPA 200.7	10013806	Primary Inorganic Contaminants	2/6/2002
1105	Nickel	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1805	Nitrate	EPA 353.2	10067604	Primary Inorganic Contaminants	2/6/2002
1835	Nitrite	EPA 300.0	10053200	Primary Inorganic Contaminants	2/6/2002
4847	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
1870	Orthophosphate as P	EPA 365.1	10070005	Primary Inorganic Contaminants	12/2/2005
1870	Orthophosphate as P	SM 4500-P F-2011	20125024	Primary Inorganic Contaminants	1/31/2024
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6911	Perfluorobutane Sulfonate (PFBS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6911	Perfluorobutane Sulfonate (PFBS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6919	Perfluorobutanoate (PFBA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6921	Perfluorodecanoate (PFDA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6921	Perfluorodecanoate (PFDA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6903	Perfluorododecanoic Acid (PFDoA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6903	Perfluorododecanoic Acid (PFDoA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6925	Perfluoroheptane Sulfonate (PFHpS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6926	Perfluoroheptanoate (PFHpA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6926	Perfluoroheptanoate (PFHpA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6928	Perfluorohexanoate (PFHxA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6928	Perfluorohexanoate (PFHxA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6930	Perfluorononanoate (PFNA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6930	Perfluorononanoate (PFNA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6931	Perfluorooctane sulfonic acid (PFOS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6931	Perfluorooctane sulfonic acid (PFOS)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6932	Perfluoro-octanoate (PFOA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6932	Perfluoro-octanoate (PFOA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
6934	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6935	Perfluoropentanoate (PFPeA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6902	Perfluorotetradecanoic acid (PFTDA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
9563	Perfluorotridecanoic acid (PFTrDA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Drinking Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6944	Perfluoroundecanoate (PFUnDA)	EPA 533	10091619	Group III Unregulated Contaminants	6/16/2023
6904	Perfluoroundecanoic acid (PFUnDA)	EPA 537.1	10091642	Group III Unregulated Contaminants	6/16/2023
1900	pH	EPA 150.1	10008409	Secondary Inorganic Contaminants,Primary Inorganic Contaminants	2/6/2002
1900	pH	SM 4500-H+ B-2011	20105220	Secondary Inorganic Contaminants	1/31/2024
1125	Potassium	EPA 200.7	10013806	Secondary Inorganic Contaminants	3/25/2003
1955	Residue-filterable (TDS)	EPA 160.1	10009208	Secondary Inorganic Contaminants	2/6/2002
1955	Residue-filterable (TDS)	SM 2540 C-2011	20050413	Secondary Inorganic Contaminants	1/31/2024
1140	Selenium	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1990	Silica as SiO2	EPA 200.7	10013806	Primary Inorganic Contaminants	10/5/2020
1150	Silver	EPA 200.7	10013806	Secondary Inorganic Contaminants	2/6/2002
1150	Silver	EPA 200.8	10014605	Secondary Inorganic Contaminants	6/24/2003
1155	Sodium	EPA 200.7	10013806	Primary Inorganic Contaminants	2/6/2002
2000	Sulfate	EPA 300.0	10053200	Primary Inorganic Contaminants,Secondary Inorganic Contaminants	2/6/2002
2000	Sulfate	EPA 375.4	10073800	Secondary Inorganic Contaminants	2/6/2002
1165	Thallium	EPA 200.8	10014605	Primary Inorganic Contaminants	6/24/2003
1645	Total cyanide	SM 4500-CN^- E-2016	20096439	Primary Inorganic Contaminants	1/31/2024
9414	Total haloacetic acids (HAA5)	EPA 552.2	10095804	Synthetic Organic Contaminants	12/2/2005
1825	Total nitrate-nitrite	EPA 300.0	10053200	Primary Inorganic Contaminants	2/6/2002
1825	Total nitrate-nitrite	EPA 353.2	10067604	Primary Inorganic Contaminants	2/6/2002
2040	Total organic carbon	SM 5310 B-2014	20137831	Primary Inorganic Contaminants	1/31/2024
9642	Trichloroacetic acid	EPA 552.2	10095804	Group I Unregulated Contaminants	9/5/2002
2055	Turbidity	EPA 180.1	10011800	Secondary Inorganic Contaminants	2/6/2002
2055	Turbidity	SM 2130 B-2011	20048220	Secondary Inorganic Contaminants	1/31/2024
2060	UV 254	SM 5910 B	20146401	Primary Inorganic Contaminants	12/2/2005
1185	Vanadium	EPA 200.7	10013806	Secondary Inorganic Contaminants	12/2/2005
1185	Vanadium	EPA 200.8	10014605	Secondary Inorganic Contaminants	3/19/2012
1190	Zinc	EPA 200.7	10013806	Secondary Inorganic Contaminants	12/2/2010
1190	Zinc	EPA 200.8	10014605	Secondary Inorganic Contaminants	6/24/2003

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5105	1,1,1,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5160	1,1,1-Trichloroethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
5160	1,1,1-Trichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5110	1,1,2,2-Tetrachloroethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
5110	1,1,2,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	10307127	Volatile Organics	1/5/2024
5165	1,1,2-Trichloroethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
5165	1,1,2-Trichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4630	1,1-Dichloroethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
4630	1,1-Dichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4640	1,1-Dichloroethylene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4640	1,1-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4670	1,1-Dichloropropene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5150	1,2,3-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5180	1,2,3-Trichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5182	1,2,3-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5155	1,2,4-Trichlorobenzene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5155	1,2,4-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5155	1,2,4-Trichlorobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
5155	1,2,4-Trichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5210	1,2,4-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	10173009	Volatile Organics	7/1/2003
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	10173009	Volatile Organics	7/1/2003
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4610	1,2-Dichlorobenzene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4610	1,2-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4610	1,2-Dichlorobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
4610	1,2-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4635	1,2-Dichloroethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
4635	1,2-Dichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4655	1,2-Dichloropropane	EPA 624.1	10298121	Volatile Organics	4/4/2018
4655	1,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6220	1,2-Diphenylhydrazine	EPA 8270	10185203	Extractable Organics	7/1/2003
6220	1,2-Diphenylhydrazine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6411	1,2-Diphenylhydrazine (as Azobenzene)	EPA 625.1	10300024	Extractable Organics	12/4/2020
6800	1,3,5-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5215	1,3,5-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270	10185203	Extractable Organics	7/1/2003
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270E	10242543	Extractable Organics	1/5/2024
4615	1,3-Dichlorobenzene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4615	1,3-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4615	1,3-Dichlorobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
4615	1,3-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4660	1,3-Dichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270	10185203	Extractable Organics	7/1/2003
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E	10242543	Extractable Organics	1/5/2024
4620	1,4-Dichlorobenzene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4620	1,4-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4620	1,4-Dichlorobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
4620	1,4-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 624.1	10298121	Volatile Organics	9/15/2022
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270	10185203	Volatile Organics	7/1/2003
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6420	1,4-Naphthoquinone	EPA 8270	10185203	Extractable Organics	7/1/2003
6420	1,4-Naphthoquinone	EPA 8270E	10242543	Extractable Organics	1/5/2024
6630	1,4-Phenylenediamine	EPA 8270	10185203	Extractable Organics	7/1/2003
6630	1,4-Phenylenediamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 1633	10123463	Extractable Organics	1/31/2024
4510	1-Chlorohexane	EPA 8260D	10307127	Volatile Organics	1/5/2024
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6380	1-Methylnaphthalene	EPA 8270	10185203	Extractable Organics	7/30/2007
6380	1-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6425	1-Naphthylamine	EPA 8270	10185203	Extractable Organics	7/1/2003

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6425	1-Naphthylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
4665	2,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 625.1	10300024	Extractable Organics	4/4/2018
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	10185203	Extractable Organics	7/1/2003
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270E	10242543	Extractable Organics	1/5/2024
6735	2,3,4,6-Tetrachlorophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6735	2,3,4,6-Tetrachlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
8920	2,3-Dichlorobiphenyl (BZ 5)	EPA 625.1	10300024	Pesticides-Herbicides-PCB's	12/4/2020
8655	2,4,5-T	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8655	2,4,5-T	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
9253	2,4,5-Trichlorobiphenyl (BZ 29)	EPA 625.1	10300024	Pesticides-Herbicides-PCB's	12/4/2020
6835	2,4,5-Trichlorophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6835	2,4,5-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6840	2,4,6-Trichlorophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6840	2,4,6-Trichlorophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6840	2,4,6-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
8545	2,4-D	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8545	2,4-D	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
8560	2,4-DB	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8560	2,4-DB	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
6000	2,4-Dichlorophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6000	2,4-Dichlorophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6000	2,4-Dichlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6130	2,4-Dimethylphenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6130	2,4-Dimethylphenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6130	2,4-Dimethylphenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6175	2,4-Dinitrophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6175	2,4-Dinitrophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6175	2,4-Dinitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 625.1	10300024	Extractable Organics	4/4/2018
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	10185203	Extractable Organics	7/1/2003
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6005	2,6-Dichlorophenol	EPA 8270	10185203	Extractable Organics	7/1/2003

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 625.1	10300024	Extractable Organics	4/4/2018
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	10185203	Extractable Organics	7/1/2003
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	10242543	Extractable Organics	1/5/2024
5515	2-Acetylaminofluorene	EPA 8270	10185203	Extractable Organics	7/1/2003
5515	2-Acetylaminofluorene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4500	2-Chloroethyl vinyl ether	EPA 624.1	10298121	Volatile Organics	4/4/2018
4500	2-Chloroethyl vinyl ether	EPA 8260D	10307127	Volatile Organics	1/5/2024
5795	2-Chloronaphthalene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5795	2-Chloronaphthalene	EPA 8270	10185203	Extractable Organics	7/1/2003
5795	2-Chloronaphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5800	2-Chlorophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
5800	2-Chlorophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
5800	2-Chlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
4535	2-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5866	2-Ethoxyethanol (Ethyl Cellusolve)	EPA 8270E	10242543	Extractable Organics	1/5/2024
9340	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9338	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633	10123463	Extractable Organics	1/31/2024
4860	2-Hexanone	EPA 8260D	10307127	Volatile Organics	1/5/2024
6360	2-Methyl-4,6-dinitrophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6360	2-Methyl-4,6-dinitrophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6360	2-Methyl-4,6-dinitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6385	2-Methylnaphthalene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6385	2-Methylnaphthalene	EPA 8270	10185203	Extractable Organics	7/1/2003
6385	2-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6400	2-Methylphenol (o-Cresol)	EPA 8270	10185203	Extractable Organics	7/1/2003
6400	2-Methylphenol (o-Cresol)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6430	2-Naphthylamine	EPA 8270	10185203	Extractable Organics	7/30/2007
6430	2-Naphthylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6460	2-Nitroaniline	EPA 8270	10185203	Extractable Organics	7/1/2003
6460	2-Nitroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
6490	2-Nitrophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6490	2-Nitrophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6490	2-Nitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
5020	2-Nitropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5045	2-Pentanone	EPA 8015C	10173816	Volatile Organics	1/5/2024
5050	2-Picoline (2-Methylpyridine)	EPA 8270	10185203	Extractable Organics	7/1/2003
5050	2-Picoline (2-Methylpyridine)	EPA 8270E	10242543	Extractable Organics	1/5/2024
5945	3,3'-Dichlorobenzidine	EPA 625.1	10300024	Extractable Organics	4/4/2018
5945	3,3'-Dichlorobenzidine	EPA 8270	10185203	Extractable Organics	7/1/2003
5945	3,3'-Dichlorobenzidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6103	3,3-Dimethyl-1-butanol	EPA 8260D	10307127	Volatile Organics	1/5/2024
6120	3,3'-Dimethylbenzidine	EPA 8270	10185203	Extractable Organics	7/1/2003
6120	3,3'-Dimethylbenzidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
8600	3,5-Dichlorobenzoic acid	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270	10185203	Extractable Organics	11/18/2008
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6355	3-Methylcholanthrene	EPA 8270	10185203	Extractable Organics	7/30/2007
6355	3-Methylcholanthrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6465	3-Nitroaniline	EPA 8270	10185203	Extractable Organics	7/1/2003
6465	3-Nitroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
9353	4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	EPA 1633	10123463	Extractable Organics	1/31/2024
7355	4,4'-DDD	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7355	4,4'-DDD	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7360	4,4'-DDE	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7360	4,4'-DDE	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7365	4,4'-DDT	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7365	4,4'-DDT	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 1633	10123463	Extractable Organics	1/31/2024
5540	4-Aminobiphenyl	EPA 8270	10185203	Extractable Organics	7/1/2003
5540	4-Aminobiphenyl	EPA 8270E	10242543	Extractable Organics	1/5/2024
5660	4-Bromophenyl phenyl ether	EPA 625.1	10300024	Extractable Organics	4/4/2018
5660	4-Bromophenyl phenyl ether	EPA 8270	10185203	Extractable Organics	7/1/2003
5700	4-Chloro-3-methylphenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
5700	4-Chloro-3-methylphenol	EPA 8270	10185203	Extractable Organics	7/1/2003
5700	4-Chloro-3-methylphenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
5745	4-Chloroaniline	EPA 8270	10185203	Extractable Organics	7/1/2003
5745	4-Chloroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
5825	4-Chlorophenyl phenylether	EPA 625.1	10300024	Extractable Organics	4/4/2018
5825	4-Chlorophenyl phenylether	EPA 8270	10185203	Extractable Organics	7/1/2003

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5825	4-Chlorophenyl phenylether	EPA 8270E	10242543	Extractable Organics	1/5/2024
4540	4-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6105	4-Dimethyl aminoazobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
6105	4-Dimethyl aminoazobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260D	10307127	Volatile Organics	1/5/2024
6470	4-Nitroaniline	EPA 8270	10185203	Extractable Organics	7/1/2003
6470	4-Nitroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
6500	4-Nitrophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6500	4-Nitrophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6500	4-Nitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6510	4-Nitroquinoline 1-oxide	EPA 8270	10185203	Extractable Organics	7/1/2003
6510	4-Nitroquinoline 1-oxide	EPA 8270E	10242543	Extractable Organics	1/5/2024
6570	5-Nitro-o-toluidine	EPA 8270	10185203	Extractable Organics	7/1/2003
6570	5-Nitro-o-toluidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270	10185203	Extractable Organics	7/1/2003
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6125	a,a-Dimethylphenethylamine	EPA 8270	10185203	Extractable Organics	7/1/2003
6125	a,a-Dimethylphenethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
5500	Acenaphthene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5500	Acenaphthene	EPA 8270	10185203	Extractable Organics	7/1/2003
5500	Acenaphthene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5505	Acenaphthylene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5505	Acenaphthylene	EPA 8270	10185203	Extractable Organics	7/1/2003
5505	Acenaphthylene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4315	Acetone	EPA 8260D	10307127	Volatile Organics	1/5/2024
4320	Acetonitrile	EPA 8260D	10307127	Volatile Organics	1/5/2024
5510	Acetophenone	EPA 8270	10185203	Extractable Organics	7/1/2003
5510	Acetophenone	EPA 8270E	10242543	Extractable Organics	1/5/2024
8505	Acifluorfen	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
4325	Acrolein (Propenal)	EPA 624.1	10298121	Volatile Organics	4/4/2018
4325	Acrolein (Propenal)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4330	Acrylamide	EPA 8316	10188202	Volatile Organics	9/20/2017
4335	Acrylic acid	SOP SA-LC-074	60048159	Volatile Organics	9/20/2017
4340	Acrylonitrile	EPA 624.1	10298121	Volatile Organics	4/4/2018
4340	Acrylonitrile	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4345	Adsorbable organic halogens (AOX)	EPA 1650	10125005	General Chemistry	2/6/2002
7025	Aldrin	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7025	Aldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1505	Alkalinity as CaCO3	EPA 310.1	10054805	General Chemistry	2/6/2002
1505	Alkalinity as CaCO3	SM 2320 B-2011	20045618	General Chemistry	1/31/2024
4350	Allyl alcohol	EPA 8015C	10173816	Volatile Organics	1/5/2024
4355	Allyl chloride (3-Chloropropene)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7110	alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7110	alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7240	alpha-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1000	Aluminum	EPA 200.7	10013806	Metals	2/6/2002
1000	Aluminum	EPA 200.8	10014605	Metals	10/17/2003
1000	Aluminum	EPA 6010D	10155950	Metals	1/5/2024
1000	Aluminum	EPA 6020B	10156420	Metals	1/5/2024
1510	Amenable cyanide	EPA 335.1	10060001	General Chemistry	2/6/2002
1510	Amenable cyanide	EPA 9012B	10243228	General Chemistry	1/5/2024
1510	Amenable cyanide	SM 4500-CN^- G-2016	20097238	General Chemistry	1/31/2024
1515	Ammonia as N	EPA 350.1	10063602	General Chemistry	2/6/2002
5545	Aniline	EPA 8270	10185203	Extractable Organics	7/1/2003
5545	Aniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
5555	Anthracene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5555	Anthracene	EPA 8270	10185203	Extractable Organics	7/1/2003
5555	Anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
1005	Antimony	EPA 200.7	10013806	Metals	2/6/2002
1005	Antimony	EPA 200.8	10014605	Metals	10/17/2003
1005	Antimony	EPA 6010D	10155950	Metals	1/5/2024
1005	Antimony	EPA 6020B	10156420	Metals	1/5/2024
5560	Aramite	EPA 8270	10185203	Extractable Organics	7/1/2003
5560	Aramite	EPA 8270E	10242543	Extractable Organics	1/5/2024
8880	Aroclor-1016 (PCB-1016)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
8880	Aroclor-1016 (PCB-1016)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8885	Aroclor-1221 (PCB-1221)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
8885	Aroclor-1221 (PCB-1221)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8890	Aroclor-1232 (PCB-1232)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
8890	Aroclor-1232 (PCB-1232)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8895	Aroclor-1242 (PCB-1242)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
8895	Aroclor-1242 (PCB-1242)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8900	Aroclor-1248 (PCB-1248)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
8900	Aroclor-1248 (PCB-1248)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8905	Aroclor-1254 (PCB-1254)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
8905	Aroclor-1254 (PCB-1254)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8910	Aroclor-1260 (PCB-1260)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
8910	Aroclor-1260 (PCB-1260)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8912	Aroclor-1262 (PCB-1262)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8913	Aroclor-1268 (PCB-1268)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
1010	Arsenic	EPA 200.7	10013806	Metals	2/6/2002
1010	Arsenic	EPA 200.8	10014605	Metals	10/17/2003
1010	Arsenic	EPA 6010D	10155950	Metals	1/5/2024
1010	Arsenic	EPA 6020B	10156420	Metals	1/5/2024
7065	Atrazine	EPA 8270	10185203	Pesticides-Herbicides-PCB's	12/4/2020
7065	Atrazine	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1015	Barium	EPA 200.7	10013806	Metals	2/6/2002
1015	Barium	EPA 200.8	10014605	Metals	10/17/2003
1015	Barium	EPA 6010D	10155950	Metals	1/5/2024
1015	Barium	EPA 6020B	10156420	Metals	1/5/2024
8530	Bentazon	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
5570	Benzaldehyde	EPA 8270	10185203	Extractable Organics	12/4/2020
5570	Benzaldehyde	EPA 8270E	10242543	Extractable Organics	1/5/2024
4375	Benzene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4375	Benzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5595	Benzidine	EPA 625.1	10300024	Extractable Organics	4/4/2018
5595	Benzidine	EPA 8270	10185203	Extractable Organics	7/1/2003
5595	Benzidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
5575	Benzo(a)anthracene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5575	Benzo(a)anthracene	EPA 8270	10185203	Extractable Organics	7/1/2003
5575	Benzo(a)anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5580	Benzo(a)pyrene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5580	Benzo(a)pyrene	EPA 8270	10185203	Extractable Organics	7/1/2003
5580	Benzo(a)pyrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5585	Benzo(b)fluoranthene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5585	Benzo(b)fluoranthene	EPA 8270	10185203	Extractable Organics	7/1/2003
5585	Benzo(b)fluoranthene	EPA 8270E	10242543	Extractable Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5605	Benzo(e)pyrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5590	Benzo(g,h,i)perylene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5590	Benzo(g,h,i)perylene	EPA 8270	10185203	Extractable Organics	7/1/2003
5590	Benzo(g,h,i)perylene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5600	Benzo(k)fluoranthene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5600	Benzo(k)fluoranthene	EPA 8270	10185203	Extractable Organics	7/1/2003
5600	Benzo(k)fluoranthene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5610	Benzoic acid	EPA 8270	10185203	Extractable Organics	7/1/2003
5610	Benzoic acid	EPA 8270E	10242543	Extractable Organics	1/5/2024
5630	Benzyl alcohol	EPA 8270	10185203	Extractable Organics	7/1/2003
5630	Benzyl alcohol	EPA 8270E	10242543	Extractable Organics	1/5/2024
5635	Benzyl chloride	EPA 8260D	10307127	Volatile Organics	1/5/2024
1020	Beryllium	EPA 200.7	10013806	Metals	2/6/2002
1020	Beryllium	EPA 200.8	10014605	Metals	10/17/2003
1020	Beryllium	EPA 6010D	10155950	Metals	1/5/2024
1020	Beryllium	EPA 6020B	10156420	Metals	1/5/2024
7115	beta-BHC (beta-Hexachlorocyclohexane)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7115	beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1530	Biochemical oxygen demand	EPA 405.1	10075602	General Chemistry	2/6/2002
1530	Biochemical oxygen demand	SM 5210 B-2016	20135039	General Chemistry	1/31/2024
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270	10185203	Extractable Organics	12/4/2020
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270E	10242543	Extractable Organics	1/5/2024
5760	bis(2-Chloroethoxy)methane	EPA 625.1	10300024	Extractable Organics	4/4/2018
5760	bis(2-Chloroethoxy)methane	EPA 8270	10185203	Extractable Organics	7/1/2003
5760	bis(2-Chloroethoxy)methane	EPA 8270E	10242543	Extractable Organics	1/5/2024
5765	bis(2-Chloroethyl) ether	EPA 625.1	10300024	Extractable Organics	4/4/2018
5765	bis(2-Chloroethyl) ether	EPA 8270	10185203	Extractable Organics	7/1/2003
5765	bis(2-Chloroethyl) ether	EPA 8270E	10242543	Extractable Organics	1/5/2024
1025	Boron	EPA 200.7	10013806	Metals	2/6/2002
1025	Boron	EPA 200.8	10014605	Metals	1/10/2023
1025	Boron	EPA 6010D	10155950	Metals	1/5/2024
1025	Boron	EPA 6020B	10156420	Metals	1/5/2024
1535	Bromate	EPA 300.0	10053200	General Chemistry	3/22/2013
1535	Bromate	EPA 300.1	10275602	General Chemistry	7/30/2007
1540	Bromide	EPA 300.0	10053200	General Chemistry	2/6/2002
1540	Bromide	EPA 300.1	10275602	General Chemistry	7/30/2007

Laboratory Scope of Accreditation

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E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1540	Bromide	EPA 9056A	10199607	General Chemistry	1/5/2024
4385	Bromobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4390	Bromochloromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4395	Bromodichloromethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
4395	Bromodichloromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4400	Bromoform	EPA 624.1	10298121	Volatile Organics	4/4/2018
4400	Bromoform	EPA 8260D	10307127	Volatile Organics	1/5/2024
5670	Butyl benzyl phthalate	EPA 625.1	10300024	Extractable Organics	4/4/2018
5670	Butyl benzyl phthalate	EPA 8270	10185203	Extractable Organics	7/1/2003
5670	Butyl benzyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
1030	Cadmium	EPA 200.7	10013806	Metals	2/6/2002
1030	Cadmium	EPA 200.8	10014605	Metals	10/17/2003
1030	Cadmium	EPA 6010D	10155950	Metals	1/5/2024
1030	Cadmium	EPA 6020B	10156420	Metals	1/5/2024
1035	Calcium	EPA 200.7	10013806	Metals	2/6/2002
1035	Calcium	EPA 6010D	10155950	Metals	1/5/2024
1035	Calcium	EPA 6020B	10156420	Metals	1/5/2024
7180	Caprolactam	EPA 8270	10185203	Extractable Organics	12/4/2020
7180	Caprolactam	EPA 8270E	10242543	Extractable Organics	1/5/2024
5680	Carbazole	EPA 8270	10185203	Extractable Organics	7/1/2003
5680	Carbazole	EPA 8270E	10242543	Extractable Organics	1/5/2024
4450	Carbon disulfide	EPA 8260D	10307127	Volatile Organics	1/5/2024
4455	Carbon tetrachloride	EPA 624.1	10298121	Volatile Organics	4/4/2018
4455	Carbon tetrachloride	EPA 8260D	10307127	Volatile Organics	1/5/2024
1555	Carbonaceous BOD (CBOD)	SM 5210 B-2016	20135039	General Chemistry	1/31/2024
1565	Chemical oxygen demand	EPA 410.4	10077404	General Chemistry	2/6/2002
1565	Chemical oxygen demand	SM 5220-D-2011	20136816	General Chemistry	1/31/2024
8540	Chloramben	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
1570	Chlorate	EPA 300.1	10275602	General Chemistry	7/30/2007
7250	Chlordane (tech.)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7250	Chlordane (tech.)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1575	Chloride	EPA 300.0	10053200	General Chemistry	2/6/2002
1575	Chloride	EPA 325.2	10057202	General Chemistry	2/6/2002
1575	Chloride	EPA 9056A	10199607	General Chemistry	1/5/2024
1575	Chloride	EPA 9251	10207406	General Chemistry	7/1/2003
1575	Chloride	SM 4500-Cl^- E-2011	20086811	General Chemistry	1/31/2024

Laboratory Scope of Accreditation

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E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1595	Chlorite	EPA 300.1	10275602	General Chemistry	7/30/2007
4475	Chlorobenzene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4475	Chlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
7260	Chlorobenzilate	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
4485	Chloroethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
4485	Chloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4505	Chloroform	EPA 624.1	10298121	Volatile Organics	4/4/2018
4505	Chloroform	EPA 8260D	10307127	Volatile Organics	1/5/2024
4525	Chloroprene	EPA 8260D	10307127	Volatile Organics	1/5/2024
1040	Chromium	EPA 200.7	10013806	Metals	2/6/2002
1040	Chromium	EPA 200.8	10014605	Metals	10/17/2003
1040	Chromium	EPA 6010D	10155950	Metals	1/5/2024
1040	Chromium	EPA 6020B	10156420	Metals	1/5/2024
1045	Chromium VI	EPA 7196A	10162400	Metals	1/5/2024
1045	Chromium VI	SM 3500-Cr B-2011	20066266	General Chemistry	1/31/2024
1045	Chromium VI	SM 3500-Cr D (18th/19th Ed.)/UV-VIS	20009001	General Chemistry	2/6/2002
5855	Chrysene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5855	Chrysene	EPA 8270	10185203	Extractable Organics	7/1/2003
5855	Chrysene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4645	cis-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4680	cis-1,3-Dichloropropene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4680	cis-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	1/5/2024
1050	Cobalt	EPA 200.7	10013806	Metals	2/6/2002
1050	Cobalt	EPA 200.8	10014605	Metals	10/17/2003
1050	Cobalt	EPA 6010D	10155950	Metals	1/5/2024
1050	Cobalt	EPA 6020B	10156420	Metals	1/5/2024
1605	Color	EPA 110.2	10005604	General Chemistry	2/6/2002
1605	Color	SM 2120 B-2011	20039310	General Chemistry	1/31/2024
1610	Conductivity	EPA 120.1	10006403	General Chemistry	2/6/2002
1610	Conductivity	EPA 9050A	10198808	General Chemistry	1/5/2024
1610	Conductivity	SM 2510 B-2011	20048617	General Chemistry	1/31/2024
1055	Copper	EPA 200.7	10013806	Metals	2/6/2002
1055	Copper	EPA 200.8	10014605	Metals	10/17/2003
1055	Copper	EPA 6010D	10155950	Metals	1/5/2024
1055	Copper	EPA 6020B	10156420	Metals	1/5/2024
1620	Corrosivity (langlier index)	SM 2330 B	20003207	General Chemistry	2/6/2002

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1635	Cyanide	EPA 335.4	10061402	General Chemistry	2/6/2002
4555	Cyclohexane	EPA 8260D	10307127	Volatile Organics	1/5/2024
8550	Dacthal (DCPA)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
8555	Dalapon	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8555	Dalapon	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
7105	delta-BHC	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7105	delta-BHC	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 625.1	10300024	Extractable Organics	4/4/2018
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270	10185203	Extractable Organics	7/1/2003
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270E	10242543	Extractable Organics	1/5/2024
7405	Diallate	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
7405	Diallate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
5895	Dibenz(a,h)anthracene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5895	Dibenz(a,h)anthracene	EPA 8270	10185203	Extractable Organics	7/1/2003
5895	Dibenz(a,h)anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5905	Dibenzofuran	EPA 8270	10185203	Extractable Organics	7/1/2003
5905	Dibenzofuran	EPA 8270E	10242543	Extractable Organics	1/5/2024
4575	Dibromochloromethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
4575	Dibromochloromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
8595	Dicamba	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8595	Dicamba	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
4625	Dichlorodifluoromethane	EPA 624.1	10298121	Volatile Organics	12/4/2020
8605	Dichloroprop (Dichlorprop)	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8605	Dichloroprop (Dichlorprop)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
7470	Dieldrin	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7470	Dieldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
9369	Diesel range organics (DRO)	EPA 8015C	10173816	Extractable Organics	1/5/2024
4725	Diethyl ether	EPA 8260D	10307127	Volatile Organics	1/5/2024
6070	Diethyl phthalate	EPA 625.1	10300024	Extractable Organics	4/4/2018
6070	Diethyl phthalate	EPA 8270	10185203	Extractable Organics	7/1/2003
6070	Diethyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
9375	Di-isopropylether (DIPE)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7475	Dimethoate	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
7475	Dimethoate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
8332	Dimethomorph	EPA 8270E	10242543	Extractable Organics	1/5/2024
6135	Dimethyl phthalate	EPA 625.1	10300024	Extractable Organics	4/4/2018

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6135	Dimethyl phthalate	EPA 8270	10185203	Extractable Organics	7/1/2003
5925	Di-n-butyl phthalate	EPA 625.1	10300024	Extractable Organics	4/4/2018
5925	Di-n-butyl phthalate	EPA 8270	10185203	Extractable Organics	7/1/2003
5925	Di-n-butyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
6200	Di-n-octyl phthalate	EPA 625.1	10300024	Extractable Organics	4/4/2018
6200	Di-n-octyl phthalate	EPA 8270	10185203	Extractable Organics	7/1/2003
6200	Di-n-octyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
8625	Disulfoton	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
8625	Disulfoton	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
7510	Endosulfan I	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7510	Endosulfan I	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7515	Endosulfan II	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7515	Endosulfan II	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7520	Endosulfan sulfate	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7520	Endosulfan sulfate	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7540	Endrin	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7540	Endrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7530	Endrin aldehyde	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7530	Endrin aldehyde	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7535	Endrin ketone	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
2520	Enterococci	SM 9230 D-2013	20219696	Microbiology	1/10/2023
2525	Escherichia coli	SM 9223 B (Colilert Quanti-Tray)-2016	20211647	Microbiology	1/31/2024
2525	Escherichia coli	SM 9223 B /QUANTI-TRAY	20211603	Microbiology	1/10/2023
4747	Ethane	RSK-175	10212905	Volatile Organics	12/2/2005
4750	Ethanol	EPA 8015C	10173816	Volatile Organics	1/5/2024
4750	Ethanol	EPA 8260D	10307127	Volatile Organics	1/5/2024
4755	Ethyl acetate	EPA 1666A	10128208	Volatile Organics	7/30/2007
4755	Ethyl acetate	EPA 8015C	10173816	Volatile Organics	1/5/2024
4755	Ethyl acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4760	Ethyl acrylate	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4810	Ethyl methacrylate	EPA 8260D	10307127	Volatile Organics	1/5/2024
6260	Ethyl methanesulfonate	EPA 8270	10185203	Extractable Organics	7/1/2003
6260	Ethyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	1/5/2024
4765	Ethylbenzene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4765	Ethylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4752	Ethylene	RSK-175	10212905	Volatile Organics	12/2/2005
4785	Ethylene glycol	EPA 8015C	10173816	Volatile Organics	1/5/2024
4770	Ethyl-t-butylether (ETBE)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7580	Famphur	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
7580	Famphur	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
2530	Fecal coliforms	COLILERT®-18 (Fecal Coliforms)	60002688	Microbiology	1/10/2023
6265	Fluoranthene	EPA 625.1	10300024	Extractable Organics	4/4/2018
6265	Fluoranthene	EPA 8270	10185203	Extractable Organics	7/1/2003
6265	Fluoranthene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6270	Fluorene	EPA 625.1	10300024	Extractable Organics	4/4/2018
6270	Fluorene	EPA 8270	10185203	Extractable Organics	7/1/2003
6270	Fluorene	EPA 8270E	10242543	Extractable Organics	1/5/2024
1730	Fluoride	EPA 300.0	10053200	General Chemistry	2/6/2002
1730	Fluoride	EPA 9056A	10199607	General Chemistry	1/5/2024
7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7245	gamma-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
9408	Gasoline range organics (GRO)	EPA 8015C	10173816	Volatile Organics	1/5/2024
1750	Hardness	EPA 130.2	10007202	General Chemistry	11/18/2008
1750	Hardness	SM 2340 B-2011	20046611	General Chemistry	1/31/2024
1750	Hardness	SM 2340 C-2011	20047614	General Chemistry	1/31/2024
1760	Hardness (calc.)	EPA 200.7	10013806	Metals	7/30/2007
7685	Heptachlor	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7685	Heptachlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7690	Heptachlor epoxide	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
7690	Heptachlor epoxide	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6275	Hexachlorobenzene	EPA 625.1	10300024	Extractable Organics	4/4/2018
6275	Hexachlorobenzene	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
6275	Hexachlorobenzene	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
4835	Hexachlorobutadiene	EPA 625.1	10300024	Extractable Organics	4/4/2018

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4835	Hexachlorobutadiene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4835	Hexachlorobutadiene	EPA 8270	10185203	Extractable Organics	7/1/2003
4835	Hexachlorobutadiene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6285	Hexachlorocyclopentadiene	EPA 625.1	10300024	Extractable Organics	4/4/2018
6285	Hexachlorocyclopentadiene	EPA 8270	10185203	Extractable Organics	7/1/2003
6285	Hexachlorocyclopentadiene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4840	Hexachloroethane	EPA 625.1	10300024	Extractable Organics	4/4/2018
4840	Hexachloroethane	EPA 8270	10185203	Extractable Organics	7/1/2003
4840	Hexachloroethane	EPA 8270E	10242543	Extractable Organics	1/5/2024
6290	Hexachlorophene	EPA 8270	10185203	Extractable Organics	7/1/2003
6290	Hexachlorophene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6295	Hexachloropropene	EPA 8270	10185203	Extractable Organics	7/1/2003
6295	Hexachloropropene	EPA 8270E	10242543	Extractable Organics	1/5/2024
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 1633	10123463	Extractable Organics	1/31/2024
1780	Ignitability	EPA 1010	10116606	General Chemistry	9/15/2022
6315	Indeno(1,2,3-cd)pyrene	EPA 625.1	10300024	Extractable Organics	4/4/2018
6315	Indeno(1,2,3-cd)pyrene	EPA 8270	10185203	Extractable Organics	7/1/2003
6315	Indeno(1,2,3-cd)pyrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4870	Iodomethane (Methyl iodide)	EPA 8260D	10307127	Volatile Organics	1/5/2024
1070	Iron	EPA 200.7	10013806	Metals	2/6/2002
1070	Iron	EPA 6010D	10155950	Metals	1/5/2024
1070	Iron	EPA 6020B	10156420	Metals	1/5/2024
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7725	Isodrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6320	Isophorone	EPA 625.1	10300024	Extractable Organics	4/4/2018
6320	Isophorone	EPA 8270	10185203	Extractable Organics	7/1/2003
6320	Isophorone	EPA 8270E	10242543	Extractable Organics	1/5/2024
4890	Isopropyl acetate	EPA 1666A	10128208	Volatile Organics	7/30/2007
4895	Isopropyl alcohol (2-Propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024
4900	Isopropylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6325	Isosafrole	EPA 8270	10185203	Extractable Organics	7/1/2003
6325	Isosafrole	EPA 8270E	10242543	Extractable Organics	1/5/2024
7740	Kepone	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1795	Kjeldahl nitrogen - total	EPA 351.2	10065404	General Chemistry	2/6/2002
1075	Lead	EPA 200.7	10013806	Metals	2/6/2002

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1075	Lead	EPA 200.8	10014605	Metals	10/17/2003
1075	Lead	EPA 6010D	10155950	Metals	1/5/2024
1075	Lead	EPA 6020B	10156420	Metals	1/5/2024
1080	Lithium	EPA 200.7	10013806	Metals	9/15/2022
1080	Lithium	EPA 200.8	10014605	Metals	1/10/2023
1080	Lithium	EPA 6010D	10155950	Metals	1/5/2024
1080	Lithium	EPA 6020B	10156420	Metals	1/5/2024
5240	m+p-Xylenes	EPA 8260D	10307127	Volatile Organics	1/5/2024
1085	Magnesium	EPA 200.7	10013806	Metals	2/6/2002
1085	Magnesium	EPA 6010D	10155950	Metals	1/5/2024
1085	Magnesium	EPA 6020B	10156420	Metals	1/5/2024
1090	Manganese	EPA 200.7	10013806	Metals	2/6/2002
1090	Manganese	EPA 200.8	10014605	Metals	10/17/2003
1090	Manganese	EPA 6010D	10155950	Metals	1/5/2024
1090	Manganese	EPA 6020B	10156420	Metals	1/5/2024
7775	MCPA	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
7775	MCPA	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
7780	MCPP	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
7780	MCPP	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
1095	Mercury	EPA 200.8	10014605	Metals	10/17/2003
1095	Mercury	EPA 245.1	10036609	Metals	2/6/2002
1095	Mercury	EPA 6020B	10156420	Metals	1/5/2024
1095	Mercury	EPA 7470	10165603	Metals	7/1/2003
4925	Methacrylonitrile	EPA 8260D	10307127	Volatile Organics	1/5/2024
4926	Methane	RSK-175	10212905	Volatile Organics	12/2/2005
4930	Methanol	EPA 8015C	10173816	Volatile Organics	1/5/2024
6345	Methapyrilene	EPA 8270	10185203	Extractable Organics	7/1/2003
6345	Methapyrilene	EPA 8270E	10242543	Extractable Organics	1/5/2024
7810	Methoxychlor	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	12/4/2020
7810	Methoxychlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
4940	Methyl acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4950	Methyl bromide (Bromomethane)	EPA 624.1	10298121	Volatile Organics	4/4/2018
4950	Methyl bromide (Bromomethane)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4960	Methyl chloride (Chloromethane)	EPA 624.1	10298121	Volatile Organics	4/4/2018
4960	Methyl chloride (Chloromethane)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4990	Methyl methacrylate	EPA 8260D	10307127	Volatile Organics	1/5/2024

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E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6375	Methyl methanesulfonate	EPA 8270	10185203	Extractable Organics	7/1/2003
6375	Methyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	1/5/2024
7825	Methyl parathion (Parathion, methyl)	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
7825	Methyl parathion (Parathion, methyl)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
5000	Methyl tert-butyl ether (MTBE)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4965	Methylcyclohexane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4975	Methylene chloride	EPA 624.1	10298121	Volatile Organics	4/4/2018
4975	Methylene chloride	EPA 8260D	10307127	Volatile Organics	1/5/2024
7870	Mirex	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1100	Molybdenum	EPA 200.7	10013806	Metals	2/6/2002
1100	Molybdenum	EPA 200.8	10014605	Metals	10/17/2003
1100	Molybdenum	EPA 6010D	10155950	Metals	1/5/2024
1100	Molybdenum	EPA 6020B	10156420	Metals	1/5/2024
4360	n-Amyl acetate	EPA 1666A	10128208	Volatile Organics	7/30/2007
5005	Naphthalene	EPA 624.1	10298121	Volatile Organics	9/15/2022
5005	Naphthalene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5005	Naphthalene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5005	Naphthalene	EPA 8270	10185203	Extractable Organics	7/1/2003
5005	Naphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4403	n-Butyl Acetate	EPA 1666A	10128208	Volatile Organics	7/30/2007
4403	n-Butyl Acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4425	n-Butyl alcohol	EPA 8015C	10173816	Volatile Organics	1/5/2024
4425	n-Butyl alcohol	EPA 8260D	10307127	Volatile Organics	1/5/2024
4435	n-Butylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
9395	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	EPA 1633	10123463	Extractable Organics	1/31/2024
4846	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9431	N-ethylperfluorooctane sulfonamido ethanol (EtFOSE)	EPA 1633	10123463	Extractable Organics	1/31/2024
1105	Nickel	EPA 200.7	10013806	Metals	2/6/2002
1105	Nickel	EPA 200.8	10014605	Metals	10/17/2003
1105	Nickel	EPA 6010D	10155950	Metals	1/5/2024
1105	Nickel	EPA 6020B	10156420	Metals	1/5/2024
1805	Nitrate	EPA 9056A	10199607	General Chemistry	1/5/2024
1810	Nitrate as N	EPA 300.0	10053200	General Chemistry	2/6/2002
1810	Nitrate as N	EPA 353.2	10067604	General Chemistry	2/6/2002
1820	Nitrate-nitrite	EPA 300.0	10053200	General Chemistry	2/6/2002

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1820	Nitrate-nitrite	EPA 353.2	10067604	General Chemistry	2/6/2002
1835	Nitrite	EPA 9056A	10199607	General Chemistry	1/5/2024
1840	Nitrite as N	EPA 300.0	10053200	General Chemistry	2/6/2002
1840	Nitrite as N	EPA 353.2	10067604	General Chemistry	2/6/2002
5015	Nitrobenzene	EPA 625.1	10300024	Extractable Organics	4/4/2018
5015	Nitrobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
5015	Nitrobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
9433	N-Methylperfluorooctane sulfonamide (MeFOSA)	EPA 1633	10123463	Extractable Organics	1/31/2024
4847	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6949	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	EPA 1633	10123463	Extractable Organics	1/31/2024
6525	n-Nitrosodiethylamine	EPA 8270	10185203	Extractable Organics	7/1/2003
6525	n-Nitrosodiethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6530	n-Nitrosodimethylamine	EPA 625.1	10300024	Extractable Organics	4/4/2018
6530	n-Nitrosodimethylamine	EPA 8270	10185203	Extractable Organics	7/1/2003
6530	n-Nitrosodimethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
5025	n-Nitroso-di-n-butylamine	EPA 8270	10185203	Extractable Organics	7/1/2003
5025	n-Nitroso-di-n-butylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6545	n-Nitrosodi-n-propylamine	EPA 625.1	10300024	Extractable Organics	4/4/2018
6545	n-Nitrosodi-n-propylamine	EPA 8270	10185203	Extractable Organics	7/1/2003
6545	n-Nitrosodi-n-propylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6535	n-Nitrosodiphenylamine	EPA 625.1	10300024	Extractable Organics	4/4/2018
6535	n-Nitrosodiphenylamine	EPA 8270	10185203	Extractable Organics	7/1/2003
6535	n-Nitrosodiphenylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6550	n-Nitrosomethylethylamine	EPA 8270	10185203	Extractable Organics	7/1/2003
6550	n-Nitrosomethylethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6555	n-Nitrosomorpholine	EPA 8270	10185203	Extractable Organics	7/1/2003
6555	n-Nitrosomorpholine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6560	n-Nitrosopiperidine	EPA 8270	10185203	Extractable Organics	7/1/2003
6560	n-Nitrosopiperidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6565	n-Nitrosopyrrolidine	EPA 8270	10185203	Extractable Organics	7/1/2003
6565	n-Nitrosopyrrolidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 1633	10123463	Extractable Organics	1/31/2024
5055	n-Propanol (1-Propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024
5090	n-Propylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
8290	o,o,o-Triethyl phosphorothioate	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
8290	o,o,o-Triethyl phosphorothioate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1860	Oil & Grease	EPA 1664A	10127807	General Chemistry	12/2/2015
1865	Organic nitrogen	TKN minus AMMONIA	60034437	General Chemistry	7/30/2007
1870	Orthophosphate as P	EPA 365.1	10070005	General Chemistry	11/18/2008
1870	Orthophosphate as P	SM 4500-P F-2011	20125024	General Chemistry	1/31/2024
5145	o-Toluidine	EPA 8270	10185203	Extractable Organics	7/1/2003
5145	o-Toluidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
5250	o-Xylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
7955	Parathion, ethyl	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
7955	Parathion, ethyl	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
6590	Pentachlorobenzene	EPA 8270	10185203	Extractable Organics	7/1/2003
6590	Pentachlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5035	Pentachloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270	10185203	Extractable Organics	7/1/2003
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6605	Pentachlorophenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6605	Pentachlorophenol	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
6605	Pentachlorophenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6605	Pentachlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6918	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6915	Perfluorobutanoic Acid (PFBA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6920	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6905	Perfluorodecanoic Acid (PFDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6923	Perfluorododecane Sulfonic Acid (PFDoS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6903	Perfluorododecanoic Acid (PFDoA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9470	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6908	Perfluoroheptanoic Acid (PFHpA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6913	Perfluorohexanoic Acid (PFHxA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6929	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6906	Perfluorononanoic Acid (PFNA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6917	Perfluorooctane sulfonamide (PFOSA)	EPA 1633	10123463	Extractable Organics	1/31/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6931	Perfluorooctane sulfonic acid (PFOS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6912	Perfluorooctanoic Acid (PFOA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6934	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6914	Perfluoropentanoic Acid (PFPeA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6902	Perfluorotetradecanoic acid (PFTDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9563	Perfluorotridecanoic acid (PFTrDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6904	Perfluoroundecanoic acid (PFUnDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
1900	pH	EPA 150.1	10008409	General Chemistry	2/6/2002
1900	pH	EPA 9040C	10244403	General Chemistry	1/5/2024
1900	pH	SM 4500-H+ B-2011	20105220	General Chemistry	1/31/2024
6610	Phenacetin	EPA 8270	10185203	Extractable Organics	7/1/2003
6610	Phenacetin	EPA 8270E	10242543	Extractable Organics	1/5/2024
6615	Phenanthrene	EPA 625.1	10300024	Extractable Organics	4/4/2018
6615	Phenanthrene	EPA 8270	10185203	Extractable Organics	7/1/2003
6615	Phenanthrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6625	Phenol	EPA 625.1	10300024	Extractable Organics	4/4/2018
6625	Phenol	EPA 8270	10185203	Extractable Organics	7/1/2003
6625	Phenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
7985	Phorate	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
7985	Phorate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1910	Phosphorus, total	EPA 200.7	10013806	Metals	1/10/2023
1910	Phosphorus, total	EPA 365.4	10071202	General Chemistry	2/6/2002
1910	Phosphorus, total	EPA 6010D	10155950	Metals	1/5/2024
8645	Picloram	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
4910	p-Isopropyltoluene	EPA 8260D	10307127	Volatile Organics	1/5/2024
1125	Potassium	EPA 200.7	10013806	Metals	2/6/2002
1125	Potassium	EPA 6010D	10155950	Metals	1/5/2024
1125	Potassium	EPA 6020B	10156420	Metals	1/5/2024
6650	Pronamide (Kerb)	EPA 8270	10185203	Extractable Organics	7/1/2003
6650	Pronamide (Kerb)	EPA 8270E	10242543	Extractable Organics	1/5/2024
5080	Propionitrile (Ethyl cyanide)	EPA 8260D	10307127	Volatile Organics	1/5/2024
6665	Pyrene	EPA 625.1	10300024	Extractable Organics	4/4/2018
6665	Pyrene	EPA 8270	10185203	Extractable Organics	7/1/2003
6665	Pyrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5095	Pyridine	EPA 8270	10185203	Extractable Organics	7/1/2003
5095	Pyridine	EPA 8270E	10242543	Extractable Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1945	Residual free chlorine	EPA 330.3	10058807	General Chemistry	2/6/2002
1955	Residue-filterable (TDS)	EPA 160.1	10009208	General Chemistry	2/6/2002
1955	Residue-filterable (TDS)	SM 2540 C-2015	20050435	General Chemistry	1/31/2024
1960	Residue-nonfilterable (TSS)	EPA 160.2	10009606	General Chemistry	2/6/2002
1960	Residue-nonfilterable (TSS)	SM 2540 D-2015	20051223	General Chemistry	1/31/2024
1965	Residue-settleable	EPA 160.5	10010807	General Chemistry	2/6/2002
1965	Residue-settleable	SM 2540 F-2015	20052226	General Chemistry	1/31/2024
1950	Residue-total	EPA 160.3	10010001	General Chemistry	2/6/2002
1950	Residue-total	SM 2540 B-2015	20049438	General Chemistry	1/31/2024
6685	Safrole	EPA 8270	10185203	Extractable Organics	7/1/2003
6685	Safrole	EPA 8270E	10242543	Extractable Organics	1/5/2024
1975	Salinity	SM 2520 B-2011	20040088	General Chemistry	1/31/2024
4440	sec-Butylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
1140	Selenium	EPA 200.7	10013806	Metals	2/6/2002
1140	Selenium	EPA 200.8	10014605	Metals	10/17/2003
1140	Selenium	EPA 6010D	10155950	Metals	1/5/2024
1140	Selenium	EPA 6020B	10156420	Metals	1/5/2024
1990	Silica as SiO2	EPA 200.7	10013806	Metals	7/30/2007
1145	Silicon	EPA 200.7	10013806	Metals	2/6/2002
1145	Silicon	EPA 6010D	10155950	Metals	1/5/2024
1150	Silver	EPA 200.7	10013806	Metals	2/6/2002
1150	Silver	EPA 200.8	10014605	Metals	10/17/2003
1150	Silver	EPA 6010D	10155950	Metals	1/5/2024
1150	Silver	EPA 6020B	10156420	Metals	1/5/2024
8650	Silvex (2,4,5-TP)	EPA 615	10105609	Pesticides-Herbicides-PCB's	2/6/2002
8650	Silvex (2,4,5-TP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
1155	Sodium	EPA 200.7	10013806	Metals	2/6/2002
1155	Sodium	EPA 6010D	10155950	Metals	1/5/2024
1155	Sodium	EPA 6020B	10156420	Metals	1/5/2024
1160	Strontium	EPA 200.7	10013806	Metals	2/6/2002
1160	Strontium	EPA 6010D	10155950	Metals	1/5/2024
5100	Styrene	EPA 8260D	10307127	Volatile Organics	1/5/2024
2000	Sulfate	EPA 300.0	10053200	General Chemistry	2/6/2002
2000	Sulfate	EPA 375.4	10073800	General Chemistry	2/6/2002
2000	Sulfate	EPA 9038	10196608	General Chemistry	7/1/2003
2000	Sulfate	EPA 9056A	10199607	General Chemistry	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
2005	Sulfide	EPA 376.1	10074201	General Chemistry	7/30/2007
2005	Sulfide	EPA 9030B	10195605	General Chemistry	1/5/2024
2005	Sulfide	EPA 9034	10196006	General Chemistry	7/1/2003
2005	Sulfide	SM 4500-S F (19th/20th/21st Ed.)/TITR	20126652	General Chemistry	7/30/2007
2015	Sulfite-SO3	EPA 377.1	10075000	General Chemistry	9/15/2022
2015	Sulfite-SO3	SM 4500-SO_3^{-} B-2011	20130636	General Chemistry	1/31/2024
8155	Sulfotepp	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
8155	Sulfotepp	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
4370	T-amylmethylether (TAME)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4368	tert-Amyl Alcohol	EPA 8260D	10307127	Volatile Organics	1/5/2024
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260D	10307127	Volatile Organics	1/5/2024
9557	tert-Butyl Formate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4445	tert-Butylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5115	Tetrachloroethylene (Perchloroethylene)	EPA 624.1	10298121	Volatile Organics	4/4/2018
1165	Thallium	EPA 200.7	10013806	Metals	2/6/2002
1165	Thallium	EPA 200.8	10014605	Metals	10/17/2003
1165	Thallium	EPA 6010D	10155950	Metals	1/5/2024
1165	Thallium	EPA 6020B	10156420	Metals	1/5/2024
8235	Thionazin (Zinophos)	EPA 8270	10185203	Pesticides-Herbicides-PCB's	7/1/2003
8235	Thionazin (Zinophos)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1175	Tin	EPA 200.7	10013806	Metals	2/6/2002
1175	Tin	EPA 200.8	10014605	Metals	1/10/2023
1175	Tin	EPA 6010D	10155950	Metals	1/5/2024
1175	Tin	EPA 6020B	10156420	Metals	1/5/2024
1180	Titanium	EPA 200.7	10013806	Metals	2/6/2002
1180	Titanium	EPA 6010D	10155950	Metals	1/5/2024
5140	Toluene	EPA 624.1	10298121	Volatile Organics	4/4/2018
5140	Toluene	EPA 8260D	10307127	Volatile Organics	1/5/2024
2500	Total coliforms	SM 9223 B (Colilert Quanti-Tray)-2016	20211647	Microbiology	1/31/2024
2500	Total coliforms	SM 9223 B /QUANTI-TRAY	20211603	Microbiology	1/10/2023
1645	Total cyanide	EPA 9012B	10243228	General Chemistry	1/5/2024
1825	Total nitrate-nitrite	EPA 9056A	10199607	General Chemistry	1/5/2024
2040	Total organic carbon	EPA 415.1	10078407	General Chemistry	2/6/2002
2040	Total organic carbon	EPA 9060A	10244823	General Chemistry	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Non-Potable Water

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
2040	Total organic carbon	SM 5310 B-2014	20137831	Microbiology	1/31/2024
2045	Total organic halides (TOX)	EPA 9020B	10194408	General Chemistry	1/5/2024
2050	Total Petroleum Hydrocarbons (TPH)	EPA 1664A	10127807	General Chemistry	2/6/2002
2050	Total Petroleum Hydrocarbons (TPH)	FL-PRO	90015808	Extractable Organics	9/15/2022
1905	Total phenolics	EPA 420.1	10079400	General Chemistry	2/6/2002
1905	Total phenolics	EPA 9065	10200405	General Chemistry	7/1/2003
1940	Total residual chlorine	SM 4500 Cl B	20018808	General Chemistry	11/18/2008
8250	Toxaphene (Chlorinated camphene)	EPA 608.3	10296614	Pesticides-Herbicides-PCB's	4/4/2018
4700	trans-1,2-Dichloroethylene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4700	trans-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4685	trans-1,3-Dichloropropene	EPA 624.1	10298121	Volatile Organics	4/4/2018
4685	trans-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4605	trans-1,4-Dichloro-2-butene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5170	Trichloroethene (Trichloroethylene)	EPA 624.1	10298121	Volatile Organics	4/4/2018
5170	Trichloroethene (Trichloroethylene)	EPA 8260D	10307127	Volatile Organics	1/5/2024
5175	Trichlorofluoromethane	EPA 624.1	10298121	Volatile Organics	4/4/2018
5175	Trichlorofluoromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
2055	Turbidity	EPA 180.1	10011800	General Chemistry	2/6/2002
2055	Turbidity	SM 2130 B-2011	20048220	General Chemistry	1/31/2024
2058	Un-Ionized Ammonia	DEP SOP 10/03/83	90015842	General Chemistry	7/30/2007
1185	Vanadium	EPA 200.7	10013806	Metals	2/6/2002
1185	Vanadium	EPA 200.8	10014605	Metals	10/17/2003
1185	Vanadium	EPA 6010D	10155950	Metals	1/5/2024
1185	Vanadium	EPA 6020B	10156420	Metals	1/5/2024
5225	Vinyl acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
5235	Vinyl chloride	EPA 624.1	10298121	Volatile Organics	4/4/2018
5235	Vinyl chloride	EPA 8260D	10307127	Volatile Organics	1/5/2024
5260	Xylene (total)	EPA 624.1	10298121	Volatile Organics	4/4/2018
5260	Xylene (total)	EPA 8260D	10307127	Volatile Organics	1/5/2024
1190	Zinc	EPA 200.7	10013806	Metals	2/6/2002
1190	Zinc	EPA 200.8	10014605	Metals	10/17/2003
1190	Zinc	EPA 6010D	10155950	Metals	1/5/2024
1190	Zinc	EPA 6020B	10156420	Metals	1/5/2024

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5105	1,1,1,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5160	1,1,1-Trichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5110	1,1,2,2-Tetrachloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5185	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260D	10307127	Volatile Organics	1/5/2024
5165	1,1,2-Trichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4630	1,1-Dichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4640	1,1-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5150	1,2,3-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5180	1,2,3-Trichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5182	1,2,3-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6715	1,2,4,5-Tetrachlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5155	1,2,4-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5155	1,2,4-Trichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4570	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4585	1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4610	1,2-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4610	1,2-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4635	1,2-Dichloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4655	1,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
6220	1,2-Diphenylhydrazine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6800	1,3,5-Trichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5215	1,3,5-Trimethylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6885	1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270E	10242543	Extractable Organics	1/5/2024
4615	1,3-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4615	1,3-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4660	1,3-Dichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
6160	1,3-Dinitrobenzene (1,3-DNB)	EPA 8270E	10242543	Extractable Organics	1/5/2024
4620	1,4-Dichlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4620	1,4-Dichlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4735	1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6420	1,4-Naphthoquinone	EPA 8270E	10242543	Extractable Organics	1/5/2024
6630	1,4-Phenylenediamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
9490	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS)	EPA 1633	10123463	Extractable Organics	1/31/2024
4510	1-Chlorohexane	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6948	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6946	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6947	1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6380	1-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6425	1-Naphthylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
4665	2,2-Dichloropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4659	2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270E	10242543	Extractable Organics	1/5/2024
6735	2,3,4,6-Tetrachlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
8655	2,4,5-T	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
6835	2,4,5-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6840	2,4,6-Trichlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
8545	2,4-D	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
8560	2,4-DB	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
6000	2,4-Dichlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6130	2,4-Dimethylphenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6175	2,4-Dinitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6185	2,4-Dinitrotoluene (2,4-DNT)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6005	2,6-Dichlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6190	2,6-Dinitrotoluene (2,6-DNT)	EPA 8270E	10242543	Extractable Organics	1/5/2024
5515	2-Acetylaminofluorene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4410	2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260D	10307127	Volatile Organics	1/5/2024
5795	2-Chloronaphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5800	2-Chlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
4535	2-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	1/5/2024
9340	2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9338	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA)	EPA 1633	10123463	Extractable Organics	1/31/2024
4860	2-Hexanone	EPA 8260D	10307127	Volatile Organics	1/5/2024
6360	2-Methyl-4,6-dinitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6385	2-Methylnaphthalene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6385	2-Methylnaphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6400	2-Methylphenol (o-Cresol)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6430	2-Naphthylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6460	2-Nitroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6490	2-Nitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
5020	2-Nitropropane	EPA 8260D	10307127	Volatile Organics	1/5/2024
5050	2-Picoline (2-Methylpyridine)	EPA 8270E	10242543	Extractable Organics	1/5/2024
5945	3,3'-Dichlorobenzidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6120	3,3'-Dimethylbenzidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
8600	3,5-Dichlorobenzoic acid	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
6412	3/4-Methylphenols (m/p-Cresols)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6355	3-Methylcholanthrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6465	3-Nitroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
9353	4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA)	EPA 1633	10123463	Extractable Organics	1/31/2024
7355	4,4'-DDD	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7360	4,4'-DDE	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7365	4,4'-DDT	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6951	4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	EPA 1633	10123463	Extractable Organics	1/31/2024
5540	4-Aminobiphenyl	EPA 8270E	10242543	Extractable Organics	1/5/2024
5660	4-Bromophenyl phenyl ether	EPA 8270E	10242543	Extractable Organics	1/5/2024
5700	4-Chloro-3-methylphenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
5745	4-Chloroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
5825	4-Chlorophenyl phenylether	EPA 8270E	10242543	Extractable Organics	1/5/2024
4540	4-Chlorotoluene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6105	4-Dimethyl aminoazobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4995	4-Methyl-2-pentanone (MIBK)	EPA 8260D	10307127	Volatile Organics	1/5/2024
6470	4-Nitroaniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
6500	4-Nitrophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6570	5-Nitro-o-toluidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6115	7,12-Dimethylbenz(a) anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6952	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6125	a,a-Dimethylphenethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
5500	Acenaphthene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5505	Acenaphthylene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4315	Acetone	EPA 8260D	10307127	Volatile Organics	1/5/2024
4320	Acetonitrile	EPA 8260D	10307127	Volatile Organics	1/5/2024
5510	Acetophenone	EPA 8270E	10242543	Extractable Organics	1/5/2024
8505	Acifluorfen	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
4325	Acrolein (Propenal)	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4340	Acrylonitrile	EPA 8260D	10307127	Volatile Organics	1/5/2024
7025	Aldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
4355	Allyl chloride (3-Chloropropene)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7110	alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7240	alpha-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1000	Aluminum	EPA 6010D	10155950	Metals	1/5/2024
1000	Aluminum	EPA 6020B	10156420	Metals	1/5/2024
1510	Amenable cyanide	EPA 9012B	10243228	General Chemistry	1/5/2024
1515	Ammonia as N	EPA 350.1	10063602	General Chemistry	7/30/2007
5545	Aniline	EPA 8270E	10242543	Extractable Organics	1/5/2024
5555	Anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
1005	Antimony	EPA 6010D	10155950	Metals	1/5/2024
1005	Antimony	EPA 6020B	10156420	Metals	1/5/2024
5560	Aramite	EPA 8270E	10242543	Extractable Organics	1/5/2024
8880	Aroclor-1016 (PCB-1016)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8885	Aroclor-1221 (PCB-1221)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8890	Aroclor-1232 (PCB-1232)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8895	Aroclor-1242 (PCB-1242)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8900	Aroclor-1248 (PCB-1248)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8905	Aroclor-1254 (PCB-1254)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8910	Aroclor-1260 (PCB-1260)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8912	Aroclor-1262 (PCB-1262)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
8913	Aroclor-1268 (PCB-1268)	EPA 8082A	10179358	Pesticides-Herbicides-PCB's	1/5/2024
1010	Arsenic	EPA 6010D	10155950	Metals	1/5/2024
1010	Arsenic	EPA 6020B	10156420	Metals	1/5/2024
7065	Atrazine	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1015	Barium	EPA 6010D	10155950	Metals	1/5/2024
1015	Barium	EPA 6020B	10156420	Metals	1/5/2024
8530	Bentazon	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
5570	Benzaldehyde	EPA 8270E	10242543	Extractable Organics	1/5/2024
4375	Benzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5595	Benzidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
5575	Benzo(a)anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5580	Benzo(a)pyrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5585	Benzo(b)fluoranthene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5590	Benzo(g,h,i)perylene	EPA 8270E	10242543	Extractable Organics	1/5/2024

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
5600	Benzo(k)fluoranthene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5610	Benzoic acid	EPA 8270E	10242543	Extractable Organics	1/5/2024
5630	Benzyl alcohol	EPA 8270E	10242543	Extractable Organics	1/5/2024
5635	Benzyl chloride	EPA 8260D	10307127	Volatile Organics	1/5/2024
1020	Beryllium	EPA 6010D	10155950	Metals	1/5/2024
1020	Beryllium	EPA 6020B	10156420	Metals	1/5/2024
7115	beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6703	Biphenyl (1,1-Biphenyl, BZ 0)	EPA 8270E	10242543	Extractable Organics	1/5/2024
5760	bis(2-Chloroethoxy)methane	EPA 8270E	10242543	Extractable Organics	1/5/2024
5765	bis(2-Chloroethyl) ether	EPA 8270E	10242543	Extractable Organics	1/5/2024
1025	Boron	EPA 6010D	10155950	Metals	1/5/2024
1540	Bromide	EPA 300.0	10053200	General Chemistry	7/30/2007
1540	Bromide	EPA 9056A	10199607	General Chemistry	1/5/2024
4385	Bromobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4390	Bromochloromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4395	Bromodichloromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4400	Bromoform	EPA 8260D	10307127	Volatile Organics	1/5/2024
5670	Butyl benzyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
1030	Cadmium	EPA 6010D	10155950	Metals	1/5/2024
1030	Cadmium	EPA 6020B	10156420	Metals	1/5/2024
1035	Calcium	EPA 6010D	10155950	Metals	1/5/2024
1035	Calcium	EPA 6020B	10156420	Metals	1/5/2024
7180	Caprolactam	EPA 8270E	10242543	Extractable Organics	1/5/2024
5680	Carbazole	EPA 8270E	10242543	Extractable Organics	1/5/2024
4450	Carbon disulfide	EPA 8260D	10307127	Volatile Organics	1/5/2024
4455	Carbon tetrachloride	EPA 8260D	10307127	Volatile Organics	1/5/2024
8540	Chloramben	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
7250	Chlordane (tech.)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1575	Chloride	EPA 300.0	10053200	General Chemistry	7/30/2007
1575	Chloride	EPA 9056A	10199607	General Chemistry	1/5/2024
1575	Chloride	EPA 9251	10207406	General Chemistry	12/4/2020
4475	Chlorobenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
7260	Chlorobenzilate	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
4485	Chloroethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4505	Chloroform	EPA 8260D	10307127	Volatile Organics	1/5/2024
4525	Chloroprene	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1040	Chromium	EPA 6010D	10155950	Metals	1/5/2024
1040	Chromium	EPA 6020B	10156420	Metals	1/5/2024
1045	Chromium VI	EPA 7199	10163005	General Chemistry	6/16/2023
5855	Chrysene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4645	cis-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4680	cis-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	1/5/2024
1050	Cobalt	EPA 6010D	10155950	Metals	1/5/2024
1050	Cobalt	EPA 6020B	10156420	Metals	1/5/2024
1055	Copper	EPA 6010D	10155950	Metals	1/5/2024
1055	Copper	EPA 6020B	10156420	Metals	1/5/2024
4555	Cyclohexane	EPA 8260D	10307127	Volatile Organics	1/5/2024
8550	Dacthal (DCPA)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
8555	Dalapon	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
7105	delta-BHC	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6065	Di(2-ethylhexyl) phthalate (DEHP)	EPA 8270E	10242543	Extractable Organics	1/5/2024
7405	Diallate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
5895	Dibenz(a,h)anthracene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5905	Dibenzofuran	EPA 8270E	10242543	Extractable Organics	1/5/2024
4575	Dibromochloromethane	EPA 8260	10184404	Volatile Organics	2/6/2002
4575	Dibromochloromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
4595	Dibromomethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
8595	Dicamba	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
4625	Dichlorodifluoromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
8605	Dichloroprop (Dichlorprop)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
7470	Dieldrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
9369	Diesel range organics (DRO)	EPA 8015C	10173816	Extractable Organics	1/5/2024
4725	Diethyl ether	EPA 8260D	10307127	Volatile Organics	1/5/2024
6070	Diethyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
9375	Di-isopropylether (DIPE)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7475	Dimethoate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
6135	Dimethyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
5925	Di-n-butyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
6200	Di-n-octyl phthalate	EPA 8270E	10242543	Extractable Organics	1/5/2024
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
8620	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024

Laboratory Scope of Accreditation

Attachment to Certificate #: E87052-83, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
8625	Disulfoton	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
7510	Endosulfan I	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7515	Endosulfan II	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7520	Endosulfan sulfate	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7540	Endrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7530	Endrin aldehyde	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7535	Endrin ketone	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
4750	Ethanol	EPA 8015C	10173816	Volatile Organics	1/5/2024
4750	Ethanol	EPA 8260D	10307127	Volatile Organics	1/5/2024
4755	Ethyl acetate	EPA 8015C	10173816	Volatile Organics	1/5/2024
4755	Ethyl acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4760	Ethyl acrylate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4810	Ethyl methacrylate	EPA 8260D	10307127	Volatile Organics	1/5/2024
6260	Ethyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	1/5/2024
4765	Ethylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4785	Ethylene glycol	EPA 8015C	10173816	Volatile Organics	1/5/2024
4770	Ethyl-t-butylether (ETBE)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7580	Famphur	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
6265	Fluoranthene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6270	Fluorene	EPA 8270E	10242543	Extractable Organics	1/5/2024
1730	Fluoride	EPA 300.0	10053200	General Chemistry	7/30/2007
1730	Fluoride	EPA 9056A	10199607	General Chemistry	1/5/2024
7120	gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7245	gamma-Chlordane	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
9408	Gasoline range organics (GRO)	EPA 8015C	10173816	Volatile Organics	1/5/2024
7685	Heptachlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
7690	Heptachlor epoxide	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6275	Hexachlorobenzene	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
4835	Hexachlorobutadiene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4835	Hexachlorobutadiene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6285	Hexachlorocyclopentadiene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4840	Hexachloroethane	EPA 8270E	10242543	Extractable Organics	1/5/2024
6290	Hexachlorophene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6295	Hexachloropropene	EPA 8270E	10242543	Extractable Organics	1/5/2024
9460	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX)	EPA 1633	10123463	Extractable Organics	1/31/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1780	Ignitability	EPA 1010	10116606	General Chemistry	9/15/2022
1780	Ignitability	EPA 1010B	10234830	General Chemistry	1/5/2024
1780	Ignitability	EPA 1030	10117201	General Chemistry	7/30/2007
6315	Indeno(1,2,3-cd)pyrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4870	Iodomethane (Methyl iodide)	EPA 8260D	10307127	Volatile Organics	1/5/2024
1070	Iron	EPA 6010D	10155950	Metals	1/5/2024
1070	Iron	EPA 6020B	10156420	Metals	1/5/2024
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024
4875	Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260D	10307127	Volatile Organics	1/5/2024
7725	Isodrin	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
6320	Isophorone	EPA 8270E	10242543	Extractable Organics	1/5/2024
4895	Isopropyl alcohol (2-Propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024
4895	Isopropyl alcohol (2-Propanol)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4900	Isopropylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
6325	Isosafrole	EPA 8270E	10242543	Extractable Organics	1/5/2024
7740	Kepone	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1795	Kjeldahl nitrogen - total	EPA 351.2	10065404	General Chemistry	12/2/2005
1075	Lead	EPA 6010D	10155950	Metals	1/5/2024
1075	Lead	EPA 6020B	10156420	Metals	1/5/2024
1080	Lithium	EPA 6010D	10155950	Metals	1/5/2024
5240	m+p-Xylenes	EPA 8260D	10307127	Volatile Organics	1/5/2024
1085	Magnesium	EPA 6010D	10155950	Metals	1/5/2024
1085	Magnesium	EPA 6020B	10156420	Metals	1/5/2024
1090	Manganese	EPA 6010D	10155950	Metals	1/5/2024
1090	Manganese	EPA 6020B	10156420	Metals	1/5/2024
7775	MCPA	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
7780	MCPP	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
1095	Mercury	EPA 6020B	10156420	Metals	1/5/2024
1095	Mercury	EPA 7471B	10166457	Metals	1/5/2024
4925	Methacrylonitrile	EPA 8260D	10307127	Volatile Organics	1/5/2024
4930	Methanol	EPA 8015C	10173816	Volatile Organics	1/5/2024
6345	Methapyrilene	EPA 8270E	10242543	Extractable Organics	1/5/2024
7810	Methoxychlor	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
4940	Methyl acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4950	Methyl bromide (Bromomethane)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4960	Methyl chloride (Chloromethane)	EPA 8260D	10307127	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4990	Methyl methacrylate	EPA 8260D	10307127	Volatile Organics	1/5/2024
6375	Methyl methanesulfonate	EPA 8270E	10242543	Extractable Organics	1/5/2024
7825	Methyl parathion (Parathion, methyl)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
5000	Methyl tert-butyl ether (MTBE)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4965	Methylcyclohexane	EPA 8260D	10307127	Volatile Organics	1/5/2024
7870	Mirex	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1100	Molybdenum	EPA 6010D	10155950	Metals	1/5/2024
1100	Molybdenum	EPA 6020B	10156420	Metals	1/5/2024
5005	Naphthalene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5005	Naphthalene	EPA 8270E	10242543	Extractable Organics	1/5/2024
4403	n-Butyl Acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
4425	n-Butyl alcohol	EPA 8015C	10173816	Volatile Organics	1/5/2024
4425	n-Butyl alcohol	EPA 8260D	10307127	Volatile Organics	1/5/2024
4435	n-Butylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
9395	N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	EPA 1633	10123463	Extractable Organics	1/31/2024
4846	N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9431	N-ethylperfluorooctane sulfonamido ethanol (EtFOSE)	EPA 1633	10123463	Extractable Organics	1/31/2024
1105	Nickel	EPA 6010D	10155950	Metals	1/5/2024
1105	Nickel	EPA 6020B	10156420	Metals	1/5/2024
1805	Nitrate	EPA 9056A	10199607	General Chemistry	1/5/2024
1810	Nitrate as N	EPA 300.0	10053200	General Chemistry	7/30/2007
1810	Nitrate as N	EPA 353.2	10067604	General Chemistry	12/2/2005
1835	Nitrite	EPA 9056A	10199607	General Chemistry	1/5/2024
1840	Nitrite as N	EPA 300.0	10053200	General Chemistry	7/30/2007
1840	Nitrite as N	EPA 353.2	10067604	General Chemistry	12/2/2005
5015	Nitrobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
9433	N-Methylperfluorooctane sulfonamide (MeFOSA)	EPA 1633	10123463	Extractable Organics	1/31/2024
4847	N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6949	N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	EPA 1633	10123463	Extractable Organics	1/31/2024
6525	n-Nitrosodiethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6530	n-Nitrosodimethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
5025	n-Nitroso-di-n-butylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6545	n-Nitrosodi-n-propylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6535	n-Nitrosodiphenylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6550	n-Nitrosomethylethylamine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6555	n-Nitrosomorpholine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6560	n-Nitrosopiperidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6565	n-Nitrosopyrrolidine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6956	Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	EPA 1633	10123463	Extractable Organics	1/31/2024
5055	n-Propanol (1-Propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024
5090	n-Propylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
8290	o,o,o-Triethyl phosphorothioate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1865	Organic nitrogen	TKN minus AMMONIA	60034437	General Chemistry	7/30/2007
1870	Orthophosphate as P	EPA 365.1	10070005	General Chemistry	11/18/2008
5250	o-Xylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
1434	Paint Filter Liquids	EPA 9095B	10245600	General Chemistry	1/5/2024
7955	Parathion, ethyl	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
6590	Pentachlorobenzene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6600	Pentachloronitrobenzene (Quintozene)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6605	Pentachlorophenol	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
6605	Pentachlorophenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
6957	Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6965	Perfluoro-3-methoxypropanoic Acid (PFMPA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6966	Perfluoro-4-methoxybutanoic Acid (PFMBA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6918	Perfluorobutane Sulfonic Acid (PFBS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6915	Perfluorobutanoic Acid (PFBA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6920	Perfluorodecane Sulfonic Acid (PFDS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6905	Perfluorodecanoic Acid (PFDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6923	Perfluorododecane Sulfonic Acid (PFDoS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6903	Perfluorododecanoic Acid (PFDoA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9470	Perfluoroheptane Sulfonic Acid (PFHpS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6908	Perfluoroheptanoic Acid (PFHpA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6927	Perfluorohexane Sulfonic Acid (PFHxS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6913	Perfluorohexanoic Acid (PFHxA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6929	Perfluorononane Sulfonic Acid (PFNS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6906	Perfluorononanoic Acid (PFNA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6917	Perfluorooctane sulfonamide (PFOSA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6931	Perfluorooctane sulfonic acid (PFOS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6912	Perfluorooctanoic Acid (PFOA)	EPA 1633	10123463	Extractable Organics	1/31/2024

Laboratory Scope of Accreditation

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State Laboratory ID: E87052 EPA Lab Code: GA00006 (912) 354-7858

E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
6934	Perfluoropentane Sulfonic Acid (PFPeS)	EPA 1633	10123463	Extractable Organics	1/31/2024
6914	Perfluoropentanoic Acid (PFPeA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6902	Perfluorotetradecanoic acid (PFTDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
9563	Perfluorotridecanoic acid (PFTrDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
6904	Perfluoroundecanoic acid (PFUnDA)	EPA 1633	10123463	Extractable Organics	1/31/2024
1900	pH	EPA 9045D	10198455	General Chemistry	1/5/2024
6610	Phenacetin	EPA 8270E	10242543	Extractable Organics	1/5/2024
6615	Phenanthrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
6625	Phenol	EPA 8270E	10242543	Extractable Organics	1/5/2024
7985	Phorate	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1910	Phosphorus, total	EPA 365.4	10071202	General Chemistry	12/2/2005
1910	Phosphorus, total	EPA 6010D	10155950	Metals	1/5/2024
8645	Picloram	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
1125	Potassium	EPA 6010D	10155950	Metals	1/5/2024
1125	Potassium	EPA 6020B	10156420	Metals	1/5/2024
6650	Pronamide (Kerb)	EPA 8270E	10242543	Extractable Organics	1/5/2024
6665	Pyrene	EPA 8270E	10242543	Extractable Organics	1/5/2024
5095	Pyridine	EPA 8270E	10242543	Extractable Organics	1/5/2024
6685	Safrole	EPA 8270E	10242543	Extractable Organics	1/5/2024
1140	Selenium	EPA 6010D	10155950	Metals	1/5/2024
1140	Selenium	EPA 6020B	10156420	Metals	1/5/2024
1150	Silver	EPA 6010D	10155950	Metals	1/5/2024
1150	Silver	EPA 6020B	10156420	Metals	1/5/2024
8650	Silvex (2,4,5-TP)	EPA 8151A	10183207	Pesticides-Herbicides-PCB's	1/5/2024
1155	Sodium	EPA 6010D	10155950	Metals	1/5/2024
1155	Sodium	EPA 6020B	10156420	Metals	1/5/2024
1160	Strontium	EPA 6010D	10155950	Metals	1/5/2024
2000	Sulfate	EPA 300.0	10053200	General Chemistry	7/30/2007
2000	Sulfate	EPA 9038	10196608	General Chemistry	2/6/2002
2000	Sulfate	EPA 9056A	10199607	General Chemistry	1/5/2024
2005	Sulfide	EPA 9030B	10195605	General Chemistry	1/5/2024
2005	Sulfide	EPA 9034	10196006	General Chemistry	2/6/2002
8155	Sulfotepp	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1460	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	10119003	General Chemistry	2/6/2002
4370	T-amylmethylether (TAME)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8015C	10173816	Volatile Organics	1/5/2024

Laboratory Scope of Accreditation

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E87052
Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Matrix: Solid and Chemical Materials

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
4420	tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260D	10307127	Volatile Organics	1/5/2024
4445	tert-Butylbenzene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5115	Tetrachloroethylene (Perchloroethylene)	EPA 8260D	10307127	Volatile Organics	1/5/2024
1165	Thallium	EPA 6010D	10155950	Metals	1/5/2024
1165	Thallium	EPA 6020B	10156420	Metals	1/5/2024
8235	Thionazin (Zinophos)	EPA 8270E	10242543	Pesticides-Herbicides-PCB's	1/5/2024
1175	Tin	EPA 6010D	10155950	Metals	1/5/2024
1180	Titanium	EPA 6010D	10155950	Metals	1/5/2024
5140	Toluene	EPA 8260D	10307127	Volatile Organics	1/5/2024
1645	Total cyanide	EPA 9012B	10243228	General Chemistry	1/5/2024
1825	Total nitrate-nitrite	EPA 353.2	10067604	General Chemistry	12/2/2005
1825	Total nitrate-nitrite	EPA 9056A	10199607	General Chemistry	1/5/2024
1827	Total Nitrogen	TKN + Total Nitrate-Nitrite	60034459	General Chemistry	7/30/2007
2050	Total Petroleum Hydrocarbons (TPH)	FL-PRO	90015808	Extractable Organics	9/15/2022
1905	Total phenolics	EPA 9065	10200405	General Chemistry	2/6/2002
8250	Toxaphene (Chlorinated camphene)	EPA 8081B	10178811	Pesticides-Herbicides-PCB's	1/5/2024
1466	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	10118806	General Chemistry	2/6/2002
4700	trans-1,2-Dichloroethylene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4685	trans-1,3-Dichloropropene	EPA 8260D	10307127	Volatile Organics	1/5/2024
4605	trans-1,4-Dichloro-2-butene	EPA 8260D	10307127	Volatile Organics	1/5/2024
5170	Trichloroethene (Trichloroethylene)	EPA 8260D	10307127	Volatile Organics	1/5/2024
5175	Trichlorofluoromethane	EPA 8260D	10307127	Volatile Organics	1/5/2024
1185	Vanadium	EPA 6010D	10155950	Metals	1/5/2024
1185	Vanadium	EPA 6020B	10156420	Metals	1/5/2024
5225	Vinyl acetate	EPA 8260D	10307127	Volatile Organics	1/5/2024
5235	Vinyl chloride	EPA 8260D	10307127	Volatile Organics	1/5/2024
5260	Xylene (total)	EPA 8260D	10307127	Volatile Organics	1/5/2024
1190	Zinc	EPA 6010D	10155950	Metals	1/5/2024
1190	Zinc	EPA 6020B	10156420	Metals	1/5/2024



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E87689

EUROFINS ST. LOUIS
13715 RIDER TRAIL NORTH
EARTH CITY, MO 63045

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - RADIOCHEMISTRY, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - RADIOCHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - RADIOCHEMISTRY

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: September 18, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87689-74-09/18/2024
Supersedes all previously issued certificates

Laboratory Scope of Accreditation

Attachment to Certificate #: E87689-74, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87689** EPA Lab Code: **MO00054** **(314) 298-8566**

E87689
Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045

Matrix: **Drinking Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
2830	Gross Alpha	EPA 900.0 (GPC)	10242634	Radiochemistry	12/6/2023
2830	Gross Alpha	SM 7110 C	20159028	Radiochemistry	12/8/2022
2840	Gross Beta	EPA 900.0 (GPC)	10242634	Radiochemistry	12/6/2023
3045	Isotopic uranium	DOE U-02-RC	90011408	Radiochemistry	8/15/2018
2965	Radium-226	EPA 903.0	10309407	Radiochemistry	3/31/2015
2970	Radium-228	EPA 904.0	10309805	Radiochemistry	12/10/2008
2985	Radon	SM 7500-Rn B	20173733	Radiochemistry	8/15/2018
2980	Radon-222	ST-RC-0222 / LSC	60051878	Radiochemistry	7/1/2020
1143	Selenium-79	ST-RC-0079 / LSC	60051845	Radiochemistry	7/1/2020
3005	Strontium-90	EPA 905.0	10310006	Radiochemistry	12/10/2008
3030	Tritium	EPA 906.0	10310200	Radiochemistry	12/10/2008
1184	Uranium (mass)	EPA 200.8	10014605	Radiochemistry	8/15/2018

Laboratory Scope of Accreditation

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State Laboratory ID: **E87689** EPA Lab Code: **MO00054** **(314) 298-8566**

E87689
Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1000	Aluminum	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1000	Aluminum	EPA 200.8	10014605	Metals	7/1/2013
1000	Aluminum	EPA 6010D	10155950	Metals	12/12/2022
1000	Aluminum	EPA 6020B	10156420	Metals	12/12/2022
1005	Antimony	EPA 200.7	10013806	Metals	7/1/2013
1005	Antimony	EPA 200.8	10014605	Metals	7/1/2013
1005	Antimony	EPA 6010D	10155950	Metals	12/12/2022
1005	Antimony	EPA 6020B	10156420	Metals	12/12/2022
1010	Arsenic	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1010	Arsenic	EPA 200.8	10014605	Metals	7/1/2013
1010	Arsenic	EPA 6010D	10155950	Metals	12/12/2022
1010	Arsenic	EPA 6020B	10156420	Metals	12/12/2022
1015	Barium	EPA 200.7	10013806	Metals	7/1/2013
1015	Barium	EPA 200.8	10014605	Metals	7/1/2013
1015	Barium	EPA 6010D	10155950	Metals	12/12/2022
1015	Barium	EPA 6020B	10156420	Metals	12/12/2022
1020	Beryllium	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1020	Beryllium	EPA 200.8	10014605	Metals	7/1/2013
1020	Beryllium	EPA 6010D	10155950	Metals	12/12/2022
1020	Beryllium	EPA 6020B	10156420	Metals	12/12/2022
1025	Boron	EPA 200.7	10013806	Metals	7/1/2013
1025	Boron	EPA 6010D	10155950	Metals	12/12/2022
1025	Boron	EPA 6020B	10156420	Metals	12/12/2022
1030	Cadmium	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1030	Cadmium	EPA 200.8	10014605	Metals	7/1/2013
1030	Cadmium	EPA 6010D	10155950	Metals	12/12/2022
1030	Cadmium	EPA 6020B	10156420	Metals	12/12/2022
1035	Calcium	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1035	Calcium	EPA 6010D	10155950	Metals	12/12/2022
1035	Calcium	EPA 6020B	10156420	Metals	12/12/2022
1040	Chromium	EPA 200.7	10013806	Metals	7/1/2013
1040	Chromium	EPA 200.8	10014605	Metals	7/1/2013
1040	Chromium	EPA 6010D	10155950	Metals	12/12/2022
1040	Chromium	EPA 6020B	10156420	Metals	12/12/2022
1050	Cobalt	EPA 200.7	10013806	Metals	7/1/2013
1050	Cobalt	EPA 200.8	10014605	Metals	7/1/2013

Laboratory Scope of Accreditation

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State Laboratory ID: **E87689** EPA Lab Code: **MO00054** **(314) 298-8566**

E87689
Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1050	Cobalt	EPA 6010D	10155950	Metals	12/12/2022
1050	Cobalt	EPA 6020B	10156420	Metals	12/12/2022
1055	Copper	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1055	Copper	EPA 200.8	10014605	Metals	7/1/2013
1055	Copper	EPA 6010D	10155950	Metals	12/12/2022
1055	Copper	EPA 6020B	10156420	Metals	12/12/2022
2826	Gamma Emitters	EPA 901.1	10308608	Radiochemistry	7/1/2013
2830	Gross Alpha	EPA 900.0	10308200	Radiochemistry	7/1/2013
2830	Gross Alpha	EPA 900.0 (GPC)	10242634	Radiochemistry	10/20/2023
2830	Gross Alpha	EPA 9310	10310802	Radiochemistry	7/1/2013
2840	Gross Beta	EPA 900.0	10308200	Radiochemistry	7/1/2013
2840	Gross Beta	EPA 900.0 (GPC)	10242634	Radiochemistry	10/20/2023
2840	Gross Beta	EPA 9310	10310802	Radiochemistry	7/1/2013
1070	Iron	EPA 200.7	10013806	Metals	7/1/2013
1070	Iron	EPA 6010D	10155950	Metals	12/12/2022
1070	Iron	EPA 6020B	10156420	Metals	12/12/2022
1075	Lead	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1075	Lead	EPA 200.8	10014605	Metals	7/1/2013
1075	Lead	EPA 6010D	10155950	Metals	12/12/2022
1075	Lead	EPA 6020B	10156420	Metals	12/12/2022
1080	Lithium	EPA 6010D	10155950	Metals	12/12/2022
1085	Magnesium	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1085	Magnesium	EPA 200.8	10014605	Metals	7/1/2013
1085	Magnesium	EPA 6010D	10155950	Metals	12/12/2022
1085	Magnesium	EPA 6020B	10156420	Metals	12/12/2022
1090	Manganese	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1090	Manganese	EPA 200.8	10014605	Metals	7/1/2013
1090	Manganese	EPA 6010D	10155950	Metals	12/12/2022
1090	Manganese	EPA 6020B	10156420	Metals	12/12/2022
1095	Mercury	EPA 245.1	10036609	Metals	7/1/2013
1095	Mercury	EPA 7470A	10165807	Metals	12/12/2022
1100	Molybdenum	EPA 200.7	10013806	Metals	7/1/2013
1100	Molybdenum	EPA 200.8	10014605	Metals	7/1/2013
1100	Molybdenum	EPA 6010D	10155950	Metals	12/12/2022
1100	Molybdenum	EPA 6020B	10156420	Metals	12/12/2022
1105	Nickel	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013

Laboratory Scope of Accreditation

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State Laboratory ID: **E87689** EPA Lab Code: **MO00054** **(314) 298-8566**

E87689
Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1105	Nickel	EPA 200.8	10014605	Metals	7/1/2013
1105	Nickel	EPA 6010D	10155950	Metals	12/12/2022
1105	Nickel	EPA 6020B	10156420	Metals	12/12/2022
1125	Potassium	EPA 200.7	10013806	Metals	7/1/2013
1125	Potassium	EPA 6010D	10155950	Metals	12/12/2022
1125	Potassium	EPA 6020B	10156420	Metals	12/12/2022
2965	Radium-226	EPA 903.0	10309407	Radiochemistry	7/1/2013
2970	Radium-228	EPA 904.0	10309805	Radiochemistry	7/1/2013
2970	Radium-228	EPA 9320	10208603	Radiochemistry	7/1/2013
1140	Selenium	EPA 200.7	10013806	Metals	7/1/2013
1140	Selenium	EPA 200.8	10014605	Metals	7/1/2013
1140	Selenium	EPA 6010D	10155950	Metals	12/12/2022
1140	Selenium	EPA 6020B	10156420	Metals	12/12/2022
1990	Silica as SiO2	EPA 200.7	10013806	Metals	6/12/2023
1145	Silicon	EPA 6010D	10155950	Metals	6/12/2023
1150	Silver	EPA 200.7	10013806	Metals	7/1/2013
1150	Silver	EPA 200.8	10014605	Metals	7/1/2013
1150	Silver	EPA 6010D	10155950	Metals	12/12/2022
1150	Silver	EPA 6020B	10156420	Metals	12/12/2022
1155	Sodium	EPA 200.7	10013806	Metals	7/1/2013
1155	Sodium	EPA 6010D	10155950	Metals	12/12/2022
1155	Sodium	EPA 6020B	10156420	Metals	12/12/2022
1160	Strontium	EPA 200.7	10013806	Metals	7/1/2013
1160	Strontium	EPA 6010D	10155950	Metals	12/12/2022
1160	Strontium	EPA 6020B	10156420	Metals	12/12/2022
3005	Strontium-90	DOE Sr-03-RC	90009806	Radiochemistry	7/1/2013
3005	Strontium-90	EPA 905.0	10310006	Radiochemistry	7/1/2013
1165	Thallium	EPA 200.7	10013806	Metals	7/1/2013
1165	Thallium	EPA 200.8	10014605	Metals	7/1/2013
1165	Thallium	EPA 6010D	10155950	Metals	12/12/2022
1165	Thallium	EPA 6020B	10156420	Metals	12/12/2022
1170	Thorium	EPA 200.8	10014605	Metals	7/1/2013
1170	Thorium	EPA 6020B	10156420	Metals	12/12/2022
1175	Tin	EPA 200.7	10013806	Metals	7/1/2013
1175	Tin	EPA 6010D	10155950	Metals	12/12/2022
1175	Tin	EPA 6020B	10156420	Metals	12/12/2022

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State Laboratory ID: **E87689** EPA Lab Code: **MO00054** **(314) 298-8566**

E87689
Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045

Matrix: **Non-Potable Water**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1180	Titanium	EPA 200.7	10013806	Metals	7/1/2013
1180	Titanium	EPA 6010D	10155950	Metals	12/12/2022
1180	Titanium	EPA 6020B	10156420	Metals	12/12/2022
2975	Total radium	EPA 903.0	10309407	Radiochemistry	4/21/2020
2975	Total radium	EPA 9315	10311009	Radiochemistry	7/1/2013
3030	Tritium	EPA 906.0	10310200	Radiochemistry	7/1/2013
1184	Uranium (mass)	EPA 200.8	10014605	Metals	7/1/2013
1184	Uranium (mass)	EPA 6020B	10156420	Metals	12/12/2022
1185	Vanadium	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1185	Vanadium	EPA 200.8	10014605	Metals	7/1/2013
1185	Vanadium	EPA 6010D	10155950	Metals	12/12/2022
1185	Vanadium	EPA 6020B	10156420	Metals	12/12/2022
1190	Zinc	EPA 200.7	10013806	General Chemistry,Metals	7/1/2013
1190	Zinc	EPA 200.8	10014605	Metals	7/1/2013
1190	Zinc	EPA 6010D	10155950	Metals	12/12/2022
1190	Zinc	EPA 6020B	10156420	Metals	12/12/2022

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State Laboratory ID: **E87689** EPA Lab Code: **MO00054** **(314) 298-8566**

E87689
Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1000	Aluminum	EPA 6010D	10155950	Metals	12/12/2022
1000	Aluminum	EPA 6020B	10156420	Metals	12/12/2022
1005	Antimony	EPA 6010D	10155950	Metals	12/12/2022
1005	Antimony	EPA 6020B	10156420	Metals	12/12/2022
1010	Arsenic	EPA 6010D	10155950	Metals	12/12/2022
1010	Arsenic	EPA 6020B	10156420	Metals	12/12/2022
1015	Barium	EPA 6010D	10155950	Metals	12/12/2022
1015	Barium	EPA 6020B	10156420	Metals	12/12/2022
1020	Beryllium	EPA 6010D	10155950	Metals	12/12/2022
1020	Beryllium	EPA 6020B	10156420	Metals	12/12/2022
1025	Boron	EPA 6010D	10155950	Metals	12/12/2022
1025	Boron	EPA 6020B	10156420	Metals	12/12/2022
1030	Cadmium	EPA 6010D	10155950	Metals	12/12/2022
1030	Cadmium	EPA 6020B	10156420	Metals	12/12/2022
1035	Calcium	EPA 6010D	10155950	Metals	12/12/2022
1035	Calcium	EPA 6020B	10156420	Metals	12/12/2022
1040	Chromium	EPA 6010D	10155950	Metals	12/12/2022
1040	Chromium	EPA 6020B	10156420	Metals	12/12/2022
1050	Cobalt	EPA 6010D	10155950	Metals	12/12/2022
1050	Cobalt	EPA 6020B	10156420	Metals	12/12/2022
1055	Copper	EPA 6010D	10155950	Metals	12/12/2022
1055	Copper	EPA 6020B	10156420	Metals	12/12/2022
2830	Gross Alpha	EPA 9310	10310802	Radiochemistry	7/1/2013
2840	Gross Beta	EPA 9310	10310802	Radiochemistry	7/1/2013
1070	Iron	EPA 6010D	10155950	Metals	12/12/2022
1070	Iron	EPA 6020B	10156420	Metals	12/12/2022
1075	Lead	EPA 6010D	10155950	Metals	12/12/2022
1075	Lead	EPA 6020B	10156420	Metals	12/12/2022
1080	Lithium	EPA 6010D	10155950	Metals	12/12/2022
1085	Magnesium	EPA 6010D	10155950	Metals	12/12/2022
1085	Magnesium	EPA 6020B	10156420	Metals	12/12/2022
1090	Manganese	EPA 6010D	10155950	Metals	12/12/2022
1090	Manganese	EPA 6020B	10156420	Metals	12/12/2022
1095	Mercury	EPA 7471B	10166457	Metals	12/12/2022
1100	Molybdenum	EPA 6010D	10155950	Metals	12/12/2022
1100	Molybdenum	EPA 6020B	10156420	Metals	12/12/2022

Laboratory Scope of Accreditation

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State Laboratory ID: **E87689** EPA Lab Code: **MO00054** **(314) 298-8566**

E87689
Eurofins St. Louis
13715 Rider Trail North
Earth City, MO 63045

Matrix: **Solid and Chemical Materials**

Analyte#	Analyte	Method/Tech	Method Code	Category	Effective Date
1105	Nickel	EPA 6010D	10155950	Metals	12/12/2022
1105	Nickel	EPA 6020B	10156420	Metals	12/12/2022
1125	Potassium	EPA 6010D	10155950	Metals	12/12/2022
1125	Potassium	EPA 6020B	10156420	Metals	12/12/2022
2970	Radium-228	EPA 9320	10208603	Radiochemistry	7/1/2013
1140	Selenium	EPA 6010D	10155950	Metals	12/12/2022
1140	Selenium	EPA 6020B	10156420	Metals	12/12/2022
1145	Silicon	EPA 6010D	10155950	Metals	12/12/2022
1150	Silver	EPA 6010D	10155950	Metals	12/12/2022
1150	Silver	EPA 6020B	10156420	Metals	12/12/2022
1155	Sodium	EPA 6010D	10155950	Metals	12/12/2022
1155	Sodium	EPA 6020B	10156420	Metals	12/12/2022
1160	Strontium	EPA 6010D	10155950	Metals	12/12/2022
1160	Strontium	EPA 6020B	10156420	Metals	12/12/2022
1165	Thallium	EPA 6010D	10155950	Metals	12/12/2022
1165	Thallium	EPA 6020B	10156420	Metals	12/12/2022
1175	Tin	EPA 6010D	10155950	Metals	12/12/2022
1175	Tin	EPA 6020B	10156420	Metals	12/12/2022
1180	Titanium	EPA 6010D	10155950	Metals	12/12/2022
1180	Titanium	EPA 6020B	10156420	Metals	12/12/2022
2975	Total radium	EPA 9315	10311009	Radiochemistry	7/1/2013
1184	Uranium (mass)	EPA 6020B	10156420	Metals	12/12/2022
1185	Vanadium	EPA 6010D	10155950	Metals	12/12/2022
1185	Vanadium	EPA 6020B	10156420	Metals	12/12/2022
1190	Zinc	EPA 6010D	10155950	Metals	12/12/2022
1190	Zinc	EPA 6020B	10156420	Metals	12/12/2022

APPENDIX C

Well Condition Assessment Forms and Well Maintenance and Repair Documentation Memorandum

APPENDIX C

Well Condition Assessment Forms

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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)
SGWA-1	Yes	Yes	No	Yes
SGWA-2	Yes	Yes	No	Yes
SGWA-3	Yes	Yes	No	Yes
SGWA-4	Yes	Yes	No	Yes
SGWA-5	Yes	Yes	No	Yes
SGWC-6	Yes	Yes	No	Yes
SGWC-7	Yes	Yes	No	Yes
SGWC-8	Yes	Yes	No	Yes
SGWC-9	Yes	Yes	No	Yes
SGWC-10	Yes	Yes	No	Yes
SGWC-11	Yes	Yes	No	Yes
SGWC-12	Yes	Yes	No	Yes
SGWC-13	Yes	Yes	No	Yes
SGWC-14	Yes	Yes	No	Yes
SGWC-15	Yes	Yes	No	Yes
SGWC-16	Yes	Yes	No	Yes
SGWC-17	Yes	Yes	No	Yes
SGWC-18	Yes	Yes	No	Yes
SGWC-19	Yes	Yes	No	Yes
SGWC-20	Yes	Yes	No	Yes
SGWC-21	Yes	Yes	No	Yes
SGWC-22	Yes	Yes	No	Yes
SGWC-23	Yes	Yes	No	Yes
SGWA-24	Yes	Yes	No	Yes
SGWA-25	No	Yes	No	Yes
PZ-13S	Yes	Yes	No	Yes
PZ-14S	Yes	Yes	No	Yes
PZ-17I	Yes	Yes	No	Yes
PZ-39S	Yes	Yes	No	Yes
PZ-40I	Yes	Yes	No	Yes
PZ-41S	Yes	Yes	No	Yes
PZ-42I	Yes	Yes	No	Yes
PZ-43S	Yes	Yes	No	Yes
PZ-44I	Yes	Yes	No	Yes
PZ-69I	Yes	Yes	No	Yes
PZ-2I	Yes	Yes	No	Yes
PZ-3S	Yes	Yes	No	Yes
PZ-5I	Yes	Yes	No	Yes
PZ-9I	Yes	Yes	No	Yes

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

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-10S	Yes	Yes	No	Yes
PZ-11S	Yes	Yes	No	Yes
PZ-12S	Yes	Yes	No	Yes
PZ-14I	Yes	Yes	No	Yes
PZ-15S	Yes	Yes	No	Yes
PZ-19I	Yes	Yes	No	Yes
PZ-19S	Yes	Yes	No	Yes
PZ-20I	Yes	Yes	No	Yes
PZ-21S	Yes	Yes	No	Yes
PZ-25S	Yes	Yes	No	Yes
PZ-25I	Yes	Yes	No	Yes
PZ-26S	Yes	Yes	No	Yes
PZ-27D	Yes	Yes	No	Yes
PZ-27S	Yes	Yes	No	Yes
PZ-28I	Yes	Yes	No	Yes
PZ-29S	Yes	Yes	No	Yes
PZ-30I	Yes	Yes	No	Yes
PZ-31I	Yes	Yes	No	Yes
PZ-32D	Yes	Yes	No	Yes
PZ-32S	Yes	Yes	No	Yes
PZ-33I	Yes	Yes	No	Yes
PZ-34S	Yes	Yes	No	Yes
PZ-35I	Yes	Yes	No	Yes
PZ-36I	Yes	Yes	No	Yes
PZ-36S	Yes	Yes	No	Yes
PZ-37I	Yes	Yes	No	Yes
PZ-38I	Yes	Yes	No	Yes
PZ-45D	No	Yes	No	Yes
PZ-46D	Yes	Yes	No	Yes
PZ-47D	No	Yes	No	Yes
PZ-48S	Yes	Yes	No	Yes
PZ-49D	Yes	No	No	Yes
PZ-49S	Yes	Yes	No	Yes
PZ-50D	NA	NA	NA	NA

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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-51D	Yes	Yes	No	Yes
PZ-52	Yes	Yes	No	Yes
PZ-53	Yes	Yes	No	Yes
PZ-54	Yes	Yes	No	Yes
PZ-55	Yes	Yes	No	Yes
PZ-56	No	Yes	No	Yes
PZ-57	Yes	Yes	No	Yes
PZ-58	Yes	Yes	No	Yes
PZ-59S	No	Yes	No	Yes
PZ-59D	No	Yes	No	Yes
PZ-60S	No	Yes	No	Yes
PZ-60D	No	Yes	No	Yes
PZ-61	Yes	Yes	No	Yes
PZ-62	Yes	Yes	No	Yes
PZ-63	Yes	Yes	No	Yes
PZ-64	Yes	Yes	No	Yes
PZ-65	No	Yes	No	Yes
PZ-66D	Yes	Yes	No	Yes
PZ-66	Yes	Yes	No	Yes
PZ-67D	Yes	Yes	No	Yes
PZ-67	Yes	Yes	No	Yes
PZ-68	No	Yes	No	Yes
LPZ-01	Yes	Yes	No	Yes
LPZ-02	Yes	Yes	No	Yes
LPZ-03	Yes	Yes	No	Yes
LPZ-04	Yes	Yes	No	Yes
LPZ-05	Yes	Yes	No	Yes
B-102A	Yes	Yes	No	Yes
B-102B	Yes	Yes	No	Yes
B-103A	Yes	Yes	No	Yes
B-103B	Yes	Yes	No	Yes
B-104A	Yes	Yes	No	Yes
B-104B	Yes	Yes	No	Yes
GWC-30	Yes	Yes	No	Yes
GWC-31	Yes	Yes	No	Yes
GWC-32	Yes	Yes	No	Yes
GWC-33A	Yes	Yes	No	Yes

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

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)
GWC-34	Yes	Yes	No	Yes
GWC-35	No	Yes	No	Yes
GWC-36	Yes	Yes	No	Yes
GWC-37	Yes	Yes	No	Yes
GWC-38	Yes	Yes	No	Yes
GWA-39	Yes	Yes	No	Yes
GWA-40	Yes	Yes	No	Yes
GWA-41	Yes	Yes	No	Yes
GWA-42	No	Yes	No	Yes
GWA-43	Yes	Yes	No	Yes
GWA-44A	No	No	No	No
GWA-54	Yes	Yes	No	Yes
GWC-1	Yes	Yes	No	Yes
GWC-2	Yes	Yes	No	Yes
GWC-3	Yes	Yes	No	Yes
GWC-4	Yes	Yes	No	Yes
GWC-5	Yes	Yes	No	Yes
GWC-6	Yes	Yes	No	Yes
GWC-7	Yes	Yes	No	Yes
GWC-8	Yes	Yes	No	Yes
GWC-8A	Yes	Yes	No	Yes
GWC-9	Yes	Yes	No	Yes
GWC-10	Yes	Yes	No	Yes
GWC-11	Yes	Yes	No	Yes
GWC-12	Yes	Yes	No	Yes
GWC-13	Yes	Yes	No	Yes
GWC-14	Yes	Yes	No	Yes
GWA-15	Yes	Yes	No	Yes
GWA-16	Yes	Yes	No	Yes
GWA-17	Yes	Yes	No	Yes
GWC-18	Yes	Yes	No	Yes
GWC-19	Yes	Yes	No	Yes
GWC-20	Yes	Yes	No	Yes
GWA-21	Yes	Yes	No	Yes
GWA-22	Yes	Yes	No	Yes
GWC-29	Yes	Yes	No	Yes
GWA-45	Yes	Yes	No	Yes

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

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)
GWA-46	Yes	Yes	No	Yes
GWA-47	Yes	Yes	No	Yes
GWA-48	Yes	Yes	No	Yes
GWA-49	Yes	Yes	No	Yes
GWC-50	Yes	Yes	No	Yes
GWC-51	Yes	Yes	No	Yes
GWC-52	Yes	Yes	No	Yes
GWC-53	Yes	Yes	No	Yes

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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
SGWA-1	Yes	Yes	Yes	Yes	Yes
SGWA-2	Yes	Yes	Yes	Yes	Yes
SGWA-3	Yes	Yes	Yes	Yes	Yes
SGWA-4	Yes	Yes	Yes	Yes	Yes
SGWA-5	Yes	Yes	Yes	Yes	Yes
SGWC-6	Yes	Yes	Yes	Yes	Yes
SGWC-7	Yes	Yes	Yes	No	Yes
SGWC-8	Yes	Yes	Yes	Yes	Yes
SGWC-9	Yes	Yes	Yes	Yes	Yes
SGWC-10	Yes	Yes	Yes	Yes	Yes
SGWC-11	Yes	Yes	Yes	Yes	Yes
SGWC-12	Yes	Yes	Yes	Yes	Yes
SGWC-13	Yes	Yes	Yes	No	Yes
SGWC-14	Yes	Yes	Yes	Yes	Yes
SGWC-15	Yes	Yes	Yes	Yes	Yes
SGWC-16	Yes	Yes	Yes	Yes	Yes
SGWC-17	Yes	Yes	Yes	Yes	Yes
SGWC-18	Yes	Yes	Yes	Yes	Yes
SGWC-19	Yes	Yes	Yes	Yes	Yes
SGWC-20	Yes	Yes	Yes	Yes	Yes
SGWC-21	Yes	Yes	Yes	Yes	Yes
SGWC-22	Yes	Yes	Yes	Yes	Yes
SGWC-23	Yes	Yes	Yes	Yes	Yes
SGWA-24	Yes	Yes	Yes	Yes	Yes
SGWA-25	Yes	Yes	Yes	Yes	Yes
PZ-13S	Yes	Yes	Yes	Yes	Yes
PZ-14S	Yes	Yes	Yes	Yes	Yes
PZ-17I	Yes	Yes	Yes	Yes	Yes
PZ-39S	Yes	Yes	Yes	Yes	Yes
PZ-40I	Yes	Yes	Yes	Yes	Yes
PZ-41S	Yes	Yes	Yes	Yes	Yes
PZ-42I	Yes	Yes	Yes	Yes	Yes
PZ-43S	Yes	Yes	Yes	Yes	Yes
PZ-44I	Yes	Yes	Yes	Yes	Yes
PZ-69I	Yes	Yes	Yes	Yes	Yes
PZ-2I	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes
PZ-5I	Yes	Yes	Yes	Yes	Yes
PZ-9I	No	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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-10S	Yes	Yes	Yes	Yes	Yes
PZ-11S	Yes	Yes	Yes	Yes	Yes
PZ-12S	Yes	Yes	Yes	Yes	Yes
PZ-14I	Yes	Yes	Yes	Yes	Yes
PZ-15S	Yes	Yes	Yes	Yes	Yes
PZ-19I	Yes	Yes	Yes	Yes	Yes
PZ-19S	Yes	Yes	Yes	Yes	Yes
PZ-20I	Yes	Yes	Yes	Yes	Yes
PZ-21S	Yes	Yes	Yes	Yes	Yes
PZ-25S	Yes	Yes	Yes	Yes	Yes
PZ-25I	Yes	Yes	Yes	Yes	Yes
PZ-26S	Yes	Yes	Yes	Yes	Yes
PZ-27D	Yes	Yes	Yes	Yes	Yes
PZ-27S	Yes	Yes	Yes	Yes	Yes
PZ-28I	Yes	Yes	Yes	Yes	Yes
PZ-29S	Yes	Yes	Yes	Yes	Yes
PZ-30I	Yes	Yes	Yes	Yes	Yes
PZ-31I	Yes	Yes	Yes	Yes	Yes
PZ-32D	Yes	Yes	Yes	Yes	Yes
PZ-32S	Yes	Yes	Yes	Yes	Yes
PZ-33I	Yes	Yes	Yes	Yes	Yes
PZ-34S	Yes	Yes	Yes	Yes	Yes
PZ-35I	Yes	Yes	Yes	Yes	Yes
PZ-36I	Yes	Yes	Yes	Yes	Yes
PZ-36S	Yes	Yes	Yes	Yes	Yes
PZ-37I	Yes	Yes	Yes	Yes	Yes
PZ-38I	Yes	Yes	Yes	Yes	Yes
PZ-45D	Yes	Yes	Yes	Yes	Yes
PZ-46D	Yes	Yes	Yes	Yes	Yes
PZ-47D	Yes	Yes	Yes	Yes	Yes
PZ-48S	Yes	Yes	Yes	Yes	Yes
PZ-49D	Yes	Yes	Yes	Yes	Yes
PZ-49S	Yes	Yes	Yes	Yes	Yes
PZ-50D	NA	NA	NA	NA	NA

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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-51D	Yes	Yes	Yes	Yes	Yes
PZ-52	Yes	Yes	Yes	Yes	Yes
PZ-53	Yes	Yes	Yes	Yes	Yes
PZ-54	Yes	Yes	Yes	Yes	Yes
PZ-55	Yes	Yes	Yes	Yes	Yes
PZ-56	Yes	Yes	Yes	Yes	Yes
PZ-57	Yes	Yes	Yes	Yes	Yes
PZ-58	Yes	Yes	Yes	Yes	Yes
PZ-59S	Yes	Yes	Yes	No	Yes
PZ-59D	Yes	Yes	Yes	Yes	Yes
PZ-60S	Yes	Yes	Yes	Yes	Yes
PZ-60D	Yes	Yes	Yes	Yes	Yes
PZ-61	Yes	Yes	Yes	Yes	Yes
PZ-62	Yes	Yes	Yes	Yes	Yes
PZ-63	Yes	Yes	Yes	Yes	Yes
PZ-64	Yes	Yes	Yes	Yes	Yes
PZ-65	Yes	Yes	Yes	Yes	Yes
PZ-66D	Yes	Yes	Yes	Yes	Yes
PZ-66	Yes	Yes	Yes	Yes	Yes
PZ-67D	Yes	Yes	Yes	Yes	Yes
PZ-67	Yes	Yes	Yes	Yes	Yes
PZ-68	Yes	Yes	Yes	Yes	Yes
LPZ-01	Yes	Yes	Yes	Yes	Yes
LPZ-02	Yes	Yes	Yes	Yes	Yes
LPZ-03	Yes	Yes	Yes	Yes	Yes
LPZ-04	Yes	Yes	Yes	Yes	Yes
LPZ-05	Yes	Yes	Yes	Yes	Yes
B-102A	Yes	Yes	Yes	Yes	Yes
B-102B	Yes	Yes	Yes	Yes	Yes
B-103A	Yes	Yes	Yes	Yes	Yes
B-103B	Yes	Yes	Yes	Yes	Yes
B-104A	Yes	Yes	Yes	Yes	Yes
B-104B	Yes	Yes	Yes	Yes	Yes
GWC-30	Yes	Yes	Yes	Yes	Yes
GWC-31	Yes	Yes	Yes	Yes	Yes
GWC-32	Yes	Yes	Yes	Yes	Yes
GWC-33A	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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
GWC-34	Yes	Yes	Yes	Yes	Yes
GWC-35	Yes	Yes	Yes	Yes	Yes
GWC-36	Yes	Yes	Yes	Yes	Yes
GWC-37	Yes	Yes	Yes	Yes	Yes
GWC-38	Yes	Yes	Yes	Yes	Yes
GWA-39	Yes	Yes	Yes	Yes	Yes
GWA-40	Yes	Yes	Yes	Yes	Yes
GWA-41	Yes	Yes	Yes	Yes	Yes
GWA-42	Yes	Yes	Yes	Yes	Yes
GWA-43	Yes	Yes	Yes	Yes	Yes
GWA-44A	Yes	Yes	Yes	Yes	Yes
GWA-54	Yes	Yes	Yes	Yes	Yes
GWC-1	Yes	Yes	Yes	Yes	Yes
GWC-2	Yes	Yes	Yes	Yes	Yes
GWC-3	Yes	Yes	Yes	Yes	Yes
GWC-4	Yes	Yes	Yes	Yes	Yes
GWC-5	Yes	Yes	Yes	Yes	Yes
GWC-6	Yes	Yes	Yes	Yes	Yes
GWC-7	Yes	Yes	Yes	Yes	Yes
GWC-8	Yes	Yes	Yes	Yes	Yes
GWC-8A	Yes	Yes	Yes	Yes	Yes
GWC-9	Yes	Yes	Yes	Yes	Yes
GWC-10	Yes	Yes	Yes	Yes	Yes
GWC-11	Yes	Yes	Yes	Yes	Yes
GWC-12	Yes	Yes	Yes	Yes	Yes
GWC-13	Yes	Yes	Yes	Yes	No
GWC-14	Yes	Yes	Yes	Yes	Yes
GWA-15	Yes	Yes	Yes	Yes	Yes
GWA-16	Yes	Yes	Yes	Yes	Yes
GWA-17	Yes	Yes	Yes	Yes	Yes
GWC-18	Yes	Yes	Yes	Yes	Yes
GWC-19	Yes	Yes	Yes	Yes	Yes
GWC-20	Yes	Yes	Yes	Yes	Yes
GWA-21	Yes	Yes	Yes	Yes	Yes
GWA-22	Yes	Yes	Yes	Yes	Yes
GWC-29	Yes	Yes	Yes	Yes	Yes
GWA-45	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

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
GWA-46	Yes	Yes	Yes	Yes	Yes
GWA-47	Yes	Yes	Yes	Yes	Yes
GWA-48	Yes	Yes	Yes	Yes	Yes
GWA-49	Yes	Yes	Yes	Yes	Yes
GWC-50	Yes	Yes	Yes	Yes	Yes
GWC-51	Yes	Yes	Yes	Yes	Yes
GWC-52	Yes	Yes	Yes	Yes	Yes
GWC-53	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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
SGWA-1	Yes	Yes	Yes	Yes	Yes	Yes
SGWA-2	Yes	Yes	Yes	Yes	Yes	Yes
SGWA-3	Yes	Yes	Yes	Yes	Yes	Yes
SGWA-4	Yes	Yes	Yes	Yes	Yes	Yes
SGWA-5	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-6	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-7	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-8	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-9	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-10	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-11	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-12	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-13	No	Yes	Yes	Yes	Yes	Yes
SGWC-14	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-15	No	Yes	Yes	Yes	Yes	Yes
SGWC-16	No	Yes	Yes	Yes	Yes	Yes
SGWC-17	No	Yes	Yes	Yes	Yes	Yes
SGWC-18	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-19	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-20	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-21	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-22	Yes	Yes	Yes	Yes	Yes	Yes
SGWC-23	Yes	Yes	Yes	Yes	Yes	Yes
SGWA-24	No	Yes	Yes	Yes	Yes	Yes
SGWA-25	Yes	Yes	Yes	Yes	Yes	Yes
PZ-13S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-14S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-17I	No	Yes	Yes	Yes	Yes	Yes
PZ-39S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-40I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-41S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-42I	Yes	Yes	Yes	No	Yes	Yes
PZ-43S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-44I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-69I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-2I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-3S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-5I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-9I	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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-10S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-11S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-12S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-14I	Yes	Yes	Yes	No	Yes	Yes
PZ-15S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-19I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-19S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-20I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-21S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-25S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-25I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-26S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-27D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-27S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-28I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-29S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-30I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-31I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-32D	Yes	Yes	Yes	No	Yes	Yes
PZ-32S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-33I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-34S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-35I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-36I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-36S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-37I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-38I	Yes	Yes	Yes	Yes	Yes	Yes
PZ-45D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-46D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-47D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-48S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-49D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-49S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-50D	NA	NA	NA	NA	NA	NA

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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-51D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-52	Yes	Yes	Yes	Yes	Yes	Yes
PZ-53	Yes	Yes	Yes	Yes	Yes	Yes
PZ-54	No	Yes	Yes	Yes	Yes	Yes
PZ-55	Yes	Yes	Yes	Yes	Yes	Yes
PZ-56	Yes	Yes	Yes	Yes	Yes	Yes
PZ-57	Yes	Yes	Yes	Yes	Yes	Yes
PZ-58	Yes	Yes	Yes	Yes	Yes	Yes
PZ-59S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-59D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-60S	Yes	Yes	Yes	Yes	Yes	Yes
PZ-60D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-61	Yes	Yes	Yes	Yes	Yes	Yes
PZ-62	Yes	Yes	Yes	Yes	Yes	Yes
PZ-63	Yes	Yes	Yes	Yes	Yes	Yes
PZ-64	Yes	Yes	Yes	Yes	Yes	Yes
PZ-65	Yes	Yes	Yes	Yes	Yes	Yes
PZ-66D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-66	Yes	Yes	Yes	Yes	Yes	Yes
PZ-67D	Yes	Yes	Yes	Yes	Yes	Yes
PZ-67	Yes	Yes	Yes	Yes	Yes	Yes
PZ-68	Yes	Yes	Yes	Yes	Yes	Yes
LPZ-01	Yes	Yes	Yes	Yes	Yes	Yes
LPZ-02	Yes	Yes	Yes	Yes	Yes	Yes
LPZ-03	Yes	Yes	Yes	Yes	Yes	Yes
LPZ-04	Yes	Yes	Yes	Yes	Yes	Yes
LPZ-05	Yes	Yes	Yes	Yes	Yes	Yes
B-102A	Yes	Yes	Yes	Yes	Yes	Yes
B-102B	Yes	Yes	Yes	Yes	Yes	Yes
B-103A	Yes	Yes	Yes	Yes	Yes	Yes
B-103B	Yes	Yes	Yes	Yes	Yes	Yes
B-104A	Yes	Yes	Yes	Yes	Yes	Yes
B-104B	Yes	Yes	Yes	Yes	Yes	Yes
GWC-30	No	Yes	Yes	Yes	Yes	Yes
GWC-31	Yes	Yes	Yes	Yes	Yes	Yes
GWC-32	Yes	Yes	Yes	Yes	Yes	Yes
GWC-33A	No	Yes	No	Yes	Yes	Yes

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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
GWC-34	No	Yes	Yes	Yes	Yes	Yes
GWC-35	Yes	Yes	Yes	Yes	Yes	Yes
GWC-36	No	Yes	No	Yes	Yes	Yes
GWC-37	Yes	Yes	Yes	Yes	Yes	Yes
GWC-38	Yes	Yes	Yes	Yes	Yes	Yes
GWA-39	No	Yes	Yes	Yes	Yes	Yes
GWA-40	Yes	Yes	Yes	Yes	Yes	Yes
GWA-41	Yes	Yes	Yes	Yes	Yes	Yes
GWA-42	Yes	Yes	Yes	Yes	Yes	Yes
GWA-43	Yes	Yes	Yes	Yes	Yes	Yes
GWA-44A	Yes	Yes	Yes	Yes	Yes	Yes
GWA-54	Yes	Yes	Yes	Yes	Yes	Yes
GWC-1	Yes	Yes	Yes	Yes	Yes	Yes
GWC-2	Yes	Yes	Yes	Yes	Yes	Yes
GWC-3	Yes	Yes	Yes	Yes	Yes	Yes
GWC-4	Yes	Yes	Yes	Yes	Yes	Yes
GWC-5	Yes	Yes	Yes	Yes	Yes	Yes
GWC-6	Yes	Yes	Yes	Yes	Yes	Yes
GWC-7	Yes	Yes	Yes	Yes	Yes	Yes
GWC-8	Yes	Yes	Yes	Yes	Yes	Yes
GWC-8A	Yes	Yes	Yes	Yes	Yes	Yes
GWC-9	Yes	Yes	Yes	Yes	Yes	Yes
GWC-10	Yes	Yes	Yes	Yes	Yes	Yes
GWC-11	Yes	Yes	Yes	Yes	Yes	Yes
GWC-12	Yes	Yes	Yes	Yes	Yes	Yes
GWC-13	Yes	Yes	Yes	Yes	Yes	Yes
GWC-14	Yes	Yes	Yes	Yes	Yes	Yes
GWA-15	Yes	Yes	Yes	Yes	Yes	Yes
GWA-16	Yes	Yes	Yes	Yes	Yes	Yes
GWA-17	Yes	Yes	Yes	Yes	Yes	Yes
GWC-18	Yes	Yes	Yes	Yes	Yes	Yes
GWC-19	Yes	Yes	Yes	Yes	Yes	Yes
GWC-20	Yes	Yes	Yes	Yes	Yes	Yes
GWA-21	Yes	Yes	Yes	Yes	Yes	Yes
GWA-22	Yes	Yes	Yes	Yes	Yes	Yes
GWC-29	Yes	Yes	Yes	Yes	Yes	Yes
GWA-45	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: Plant Scherer

Date: 2/18/2025

Permit Number: NA

Field Conditions: Good

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
GWA-46	Yes	Yes	Yes	Yes	Yes	Yes
GWA-47	Yes	Yes	Yes	Yes	Yes	Yes
GWA-48	Yes	Yes	Yes	Yes	Yes	Yes
GWA-49	Yes	Yes	Yes	Yes	Yes	Yes
GWC-50	Yes	Yes	Yes	Yes	Yes	Yes
GWC-51	Yes	Yes	Yes	No	Yes	Yes
GWC-52	Yes	Yes	Yes	Yes	Yes	Yes
GWC-53	Yes	Yes	Yes	Yes	Yes	Yes

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

Well ID:	Corrective actions as needed, by date:
SGWA-1	
SGWA-2	
SGWA-3	
SGWA-4	
SGWA-5	
SGWC-6	
SGWC-7	
SGWC-8	
SGWC-9	
SGWC-10	
SGWC-11	
SGWC-12	
SGWC-13	
SGWC-14	
SGWC-15	
SGWC-16	
SGWC-17	
SGWC-18	
SGWC-19	
SGWC-20	
SGWC-21	
SGWC-22	
SGWC-23	
SGWA-24	
SGWA-25	Clear overgrowth
PZ-13S	
PZ-14S	
PZ-17I	
PZ-39S	
PZ-40I	
PZ-41S	
PZ-42I	
PZ-43S	
PZ-44I	
PZ-69I	
PZ-2I	
PZ-3S	
PZ-5I	
PZ-9I	

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

Well ID:	Corrective actions as needed, by date:
PZ-10S	
PZ-11S	
PZ-12S	
PZ-14I	
PZ-15S	
PZ-19I	
PZ-19S	
PZ-20I	
PZ-21S	
PZ-25S	
PZ-25I	
PZ-26S	
PZ-27D	
PZ-27S	
PZ-28I	
PZ-29S	
PZ-30I	
PZ-31I	
PZ-32D	
PZ-32S	
PZ-33I	
PZ-34S	
PZ-35I	
PZ-36I	
PZ-36S	
PZ-37I	
PZ-38I	
PZ-45D	Clear path
PZ-46D	
PZ-47D	Clear path
PZ-48S	
PZ-49D	
PZ-49S	
PZ-50D	Not required - no access

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

Well ID:	Corrective actions as needed, by date:
PZ-51D	
PZ-52	
PZ-53	
PZ-54	Ant mound on well pad needs removal
PZ-55	
PZ-56	Overgrown- area surrounding well pad needs clearing
PZ-57	
PZ-58	
PZ-59S	Needs overgrowth cleared
PZ-59D	Needs overgrowth cleared
PZ-60S	Needs overgrowth cleared
PZ-60D	Needs overgrowth cleared
PZ-61	
PZ-62	
PZ-63	
PZ-64	
PZ-65	
PZ-66D	
PZ-66	
PZ-67D	
PZ-67	
PZ-68	
LPZ-01	
LPZ-02	
LPZ-03	
LPZ-04	
LPZ-05	
B-102A	
B-102B	
B-103A	
B-103B	
B-104A	
B-104B	
GWC-30	
GWC-31	
GWC-32	
GWC-33A	Erosion on SE corner of pad - needs reinforcement

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

Well ID:	Corrective actions as needed, by date:
GWC-34	Ant mound on well pad needs removal
GWC-35	
GWC-36	Erosion on SE corner of pad - needs reinforcement
GWC-37	
GWC-38	
GWA-39	Some cracks in pad, needs completion
GWA-40	
GWA-41	
GWA-42	Brush on concrete pad needs clearing
GWA-43	
GWA-44A	Standing water surrounding 3 sides of well. Needs "A" added to label.
GWA-54	
GWC-1	
GWC-2	
GWC-3	
GWC-4	
GWC-5	
GWC-6	
GWC-7	
GWC-8	
GWC-8A	
GWC-9	
GWC-10	
GWC-11	
GWC-12	
GWC-13	Lock needs to be replaced
GWC-14	
GWA-15	
GWA-16	
GWA-17	
GWC-18	
GWC-19	
GWC-20	
GWA-21	
GWA-22	
GWC-29	
GWA-45	

Well Inspection

Site Name: _Plant Scherer_____ Date: _2/18/2025_____

Permit Number:___NA_____ Field Conditions: ____Good_____

Well ID:	Corrective actions as needed, by date:
GWA-46	
GWA-47	
GWA-48	
GWA-49	
GWC-50	
GWC-51	
GWC-52	
GWC-53	

APPENDIX C

Well Maintenance and Repair Documentation Memorandum

TECHNICAL MEMORANDUM

DATE August 29, 2025

TO Joju Abraham, PG
Southern Company Services

CC Ben Hodges, Georgia Power Company

FROM WSP USA Inc.

PLANT SCHERER ASH POND 1 – WELL MAINTENANCE AND REPAIR DOCUMENTATION

GEORGIA POWER COMPANY

WSP USA Inc. (WSP) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant Scherer Ash Pond 1 during the semi-annual reporting period. Repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

Table 1: Plant Scherer Ash Pond 1 – Well Maintenance Summary

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/Repair Performed
Scherer / AP1	04/2025	SGWA-25	Cleared overgrowth from well pad
Scherer / AP1	04/2025	PZ-45D	Cleared brush in area around well
Scherer / AP1	04/2025	PZ-47D	Cleared brush in area around well
Scherer / AP1	04/2025	PZ-54	Anthill cleared to improve access and visibility
Scherer / AP1	04/2025	PZ-56	Cleared overgrowth from well pad
Scherer / AP1	04/2025	PZ-59S	Cleared overgrowth from well pad
Scherer / AP1	04/2025	PZ-59D	Cleared overgrowth from well pad
Scherer / AP1	04/2025	PZ-60S	Cleared overgrowth from well pad
Scherer / AP1	04/2025	PZ-60D	Cleared overgrowth from well pad

All maintenance and repairs are also documented in the 2025 semi-annual groundwater monitoring report.

WSP
5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341 T: +1 770 496-1893 F: +1 770 934-9476

WSP USA Inc.



Dawn L. Prell
Technical Principal, Hydrogeologist



Rhonda N. Quinn, PG
Senior Consultant, Geologist

Southern Company CFS
Plant Scherer April 2025 Well O&M (April 10th)

PZ-45D – Area around PZ cleared of brush





PZ-47D – Area around PZ cleared of brush





Southern Company

APPENDIX D

Statistical Analyses

GROUNDWATER STATS CONSULTING

August 29, 2025

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Scherer Ash Pond (AP)
Statistical Analysis – February 2025 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2025 Semi-Annual Groundwater Detection and Assessment Monitoring of groundwater data for Georgia Power Company's Plant Scherer AP. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III and IV parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells. Sampling is conducted on a semi-annual basis for all constituents. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** SGWA-1, SGWA-2, SGWA-3, SGWA-4, SGWA-5, SGWA-24, and SGWA-25
- **Downgradient wells:** SGWC-6, SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, and SGWC-23

- **Assessment Wells:** PZ-13S, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-41S, PZ-42I, PZ-43S, PZ-44I, and PZ-69I

The assessment wells were first sampled as early as October 2018 and all data are included on the time series graphs and box plots. These well/constituent pairs are formally evaluated for Appendix IV constituents using confidence intervals which require a minimum of 4 samples.

Resamples were collected in October 2022 for the following well/constituent pairs due to the August 2022 samples exceeding hold times for mercury and TDS:

- Mercury: SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23, PZ-14S, PZ-39S, PZ-40I, and PZ-42I
- pH: SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, SGWC-23, PZ-14S, PZ-39S, PZ-40I, and PZ-42I
- TDS: SGWC-16 and SGWC-17

Additional resamples were collected in November 2022 for the following well/constituent pairs due to the October 2022 resamples exceeding hold times for TDS:

- pH: SGWC-16 and SGWC-17
- TDS: SGWC-16 and SGWC-17

Per request of WSP Golder, the August 2022 samples that exceeded hold times for mercury and TDS are not included in the Sanitas database. The resamples collected for pH at these wells in October and November 2022 and were retained in the database.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician for Groundwater Stats Consulting. 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 CCR program monitors 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

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of Appendix IV downgradient well/constituent pairs containing 100% non-detects follows this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data. This generally gives the most conservative limit in each case. Due to varying reporting limits during the February 2025 sample event for fluoride and lithium, the most recent reporting limits of 0.2 mg/L and 0.005 mg/L, respectfully, were substituted across all wells in order to maintain conservative (i.e., lower) limit from a regulatory perspective.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on a previous screening, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method

should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

The original background screening was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Interwell prediction limits, combined with a 1-of-2 resample plan, were recommended for all Appendix III constituents.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. While data were further tested for intrawell eligibility during the screening, interwell methods were recommended for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Statistical Methods:

Based on the evaluation for state and federal regulatory requirements, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- Appendix IV: Confidence intervals on downgradient well data compared against Ground Water Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Summary of Background Update Conducted in 2025

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at upgradient wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. When the most recent value is identified as an outlier, values are often not flagged in the database at this time as the measurements may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected.

Using the Tukey's box plot method and visual screening, the previously flagged value for fluoride at upgradient well SGWA-4 was confirmed. Tukey's test identified several other

outliers; however, these measurements were not flagged in the database as the measurements appeared to be representative of remaining observations among pooled upgradient concentrations and would not drastically change resulting limits if flagged. When any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages will display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data. When the reporting limit was higher than the CCR-rule specified levels discussed below, non-detects were substituted with one half the reporting limit.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each upgradient well to identify statistically significant increasing or decreasing trends (Figure D). In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The following statistically significant trends were identified at upgradient wells:

Appendix III
Increasing:

- Calcium: SGWA-2, SGWA-3, SGWA-4, SGWA-5, and SGWA-24
- Chloride: SGWA-24
- pH: SGWA-3
- TDS: SGWA-4

Decreasing:

- Chloride: SGWA-3
- pH: SGWA-4
- Sulfate: SGWA-3 and SGWA-4

Appendix IV
Increasing:

- Barium: SGWA-3, SGWA-4, SGWA-5, SGWA-24, and SGWA-25
- Chromium: SGWA-2, SGWA-3, SGWA-4, and SGWA-24

Decreasing:

- Barium: SGWA-1
- Beryllium: SGWA-1
- Cobalt: SGWA-1 and SGWA-25

The results of the trend analyses showed several statistically significant decreasing and increasing trends for the Appendix III and IV parameters. However, the trends noted were relatively low in magnitude compared to average pooled upgradient concentrations and, therefore, no adjustments were made to the data sets at this time. If the observed decreasing or increasing trends persist over a longer time frame and influence resulting statistical limits, some records may need to be truncated. Exceptions include the trends for cobalt at upgradient wells SGWA-1 and SGWA-25; therefore, earlier observations from these records were truncated prior to constructing statistical limits. Trend tests for cobalt at upgradient wells SGWA-1 and SGWA-25 using both the truncated portion of their record and the full record follow this letter.

Statistical Analysis of Appendix III Parameters – February 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers, as described above, during this analysis (Figure C). Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. Data from upgradient wells for Appendix III parameters are reassessed for outliers during each analysis. The previously flagged value of fluoride at upgradient well SGWA-4 was confirmed, and no additional outliers were flagged. A summary of flagged outliers follows this report.

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 E. Interwell prediction limits pool upgradient well data to establish a background limit for an individual

constituent. The February 2025 samples from each downgradient well are compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance.

Several prediction limit exceedances were identified for Appendix III parameters. A summary table of the interwell prediction limits follows this letter and includes a list of exceedances. Note that while the Sanitas software does not identify reported estimated measurements flagged with "J" or non-detect observations flagged with "ND" by the laboratory in accordance with the EPA Unified Guidance (2009), the reported estimated measurement of 6.3 (J) mg/L and non-detect observation of 25 (ND) mg/L for chloride at downgradient wells SGWC-20 and SGWC-18, respectively, exceeded the background limit of 3.2 mg/L.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site, which is an indication of variability in groundwater unrelated to practices at the site. A summary of the trend test results including a list of statistically significant trends follows this letter. Statistically significant trends were noted for the following well/constituent pairs:

Increasing:

- Boron: SGWC-10, SGWC-11, SGWC-16, SGWC-18, and SGWC-22
- Calcium: SGWA-2, SGWA-3, SGWA-4, SGWA-5, SGWA-24 (all upgradient), SGWC-13, SGWC-17, SGWC-19, SGWC-21, and SGWC-22
- Chloride: SGWA-24 (upgradient), SGWC-9, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-18, and SGWC-23
- pH: SGWA-3 (upgradient) and SGWC-18

- Sulfate: SGWC-12, SGWC-13, SGWC-16, SGWC-17, SGWC-19, SGWC-21, and SGWC-22
- TDS: SGWA-4 (upgradient), SGWC-13, SGWC-17, SGWC-19, and SGWC-22

Decreasing:

- Boron: SGWC-20 and SGWC-23
- Calcium: SGWC-9
- Chloride: SGWA-3 (upgradient) and SGWC-7
- pH: SGWA-4 (upgradient)
- Sulfate: SGWA-3, SGWA-4 (both upgradient), SGWC-7, SGWC-9, and SGWC-23
- TDS: SGWC-9

Statistical Analysis of Appendix IV Parameters – February 2025

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Downgradient well/constituent pairs containing 100% non-detects do not require analysis.

Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. The previously flagged value of fluoride at SGWA-4 was confirmed, and no additional outliers were flagged. A summary of flagged outliers follows this report (Figure C). Additionally, downgradient well data through February 2025 were screened through visual screening using time series graphs. Since the downgradient well data are used to construct confidence intervals, a regulatory conservative approach is taken in that values that are marginally high relative to the rest of the data are retained unless there is particular justification for excluding them. For chromium at downgradient well SGWC-8, repeated detections above the reporting limit have been recorded since August 2022; therefore, a previously flagged value is no longer flagged as an outlier in this database. Previously flagged non-detects for lithium at downgradient wells SGWC-7 and SGWC-20 were unflagged since the most recent reporting limit of 0.005 mg/L was substituted for all non-detects.

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 G). 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 used. As mentioned above, the records for cobalt at upgradient well SGWA-1 and SGWA-25 were truncated to use more recent and stable concentrations to establish an interwell tolerance limit. A list of well/constituent pairs using a truncated portion of their record follows this report.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure H).

Confidence Intervals

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV constituents in downgradient wells with a minimum of 8 samples and assessment wells with a minimum of 4 samples (Figure I).

The Sanitas software was used to calculate the confidence intervals, either parametric or nonparametric, 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 largest and smallest 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 confidence level associated with nonparametric confidence intervals is dependent upon the number of samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence interval results, along with graphical comparison against GWPS follow this letter. Exceedances were noted for the following well/constituent pairs:

- Cobalt: SGWC-10, SGWC-11, SGWC-14, SGWC-15, SGWC-18, and SGWC-20

Trend Test Evaluation – Appendix IV

When confidence interval exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 95% confidence level (Figure J). Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells. When similar patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter and statistically significant trends were identified for the following well/constituent pairs:

Increasing
- None

Decreasing
- Cobalt: SGWA-1, SGWA-25 (both upgradient), SGWC-11, SGWC-18, and SGWC-20

Summary

Observations from the February 2025 sample event at Scherer AP were compared to established interwell prediction limits for all Appendix III constituents. Several statistically significant increases were identified and may be seen on the summary table following this letter.

When confidence intervals were constructed on downgradient wells for Appendix IV constituents and compared to respective GWPS, the following exceedances were identified:

- Cobalt: SGWC-10, SGWC-11, SGWC-14, SGWC-15, SGWC-18, and SGWC-20

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Scherer AP. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Table of Contents

Summary Tables	14
Figure A. Time Series	38
Figure B. Box Plots	206
Figure C. Outlier Summary	228
Figure D. Upgradient Wells Trend Tests	238
Figure E. Appendix III Interwell Prediction Limits	251
Figure F. Appendix III Trend Tests	306
Figure G. Upper Tolerance Limits	341
Figure H. Groundwater Protection Standard	351
Figure I. Confidence Intervals	353
Figure J. Appendix IV Trend Tests	454

Summary Tables

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Date Ranges

Date: 5/8/2025 5:15 PM

Plant Scherer Client: Southern Company Data: Scherer AP

Cobalt (mg/L)

SGWA-1 overall:10/5/2018-2/20/2025

SGWA-25 overall:9/14/2020-2/19/2025

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100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 4/17/2025 11:32 AM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Antimony (mg/L)
SGWC-6, SGWC-8, SGWC-9, SGWC-11, SGWC-12, SGWC-14, SGWC-15, SGWC-16, SGWC-17, PZ-14S, PZ-39S, PZ-41S, PZ-43S, PZ-44I, PZ-69I

Arsenic (mg/L)
PZ-13S, PZ-14S, PZ-17I, PZ-40I, PZ-41S, PZ-43S, PZ-44I

Beryllium (mg/L)
SGWC-9, SGWC-11, SGWC-12, SGWC-13, SGWC-16, SGWC-21, SGWC-23, PZ-13S, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-41S, PZ-42I, PZ-43S, PZ-44I, PZ-69I

Cadmium (mg/L)
SGWC-7, SGWC-9, SGWC-10, SGWC-12, SGWC-13, SGWC-16, SGWC-17, SGWC-22, SGWC-23, PZ-13S, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-41S, PZ-42I, PZ-43S, PZ-44I, PZ-69I

Chromium (mg/L)
SGWC-6, SGWC-11, PZ-40I, PZ-69I

Cobalt (mg/L)
PZ-17I

Lead (mg/L)
SGWC-9, SGWC-11, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-41S, PZ-43S, PZ-44I, PZ-69I

Mercury (mg/L)
SGWC-19, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-41S, PZ-42I, PZ-43S, PZ-69I

Molybdenum (mg/L)
SGWC-10, SGWC-11, SGWC-13, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19, SGWC-20, SGWC-21, SGWC-22, PZ-13S, PZ-14S, PZ-17I, PZ-41S, PZ-43S, PZ-44I

Selenium (mg/L)
SGWC-8, SGWC-9, SGWC-10, SGWC-21, SGWC-22, PZ-13S, PZ-14S, PZ-43S, PZ-69I

Thallium (mg/L)
SGWC-16, SGWC-19, SGWC-21, PZ-13S, PZ-14S, PZ-17I, PZ-39S, PZ-40I, PZ-42I, PZ-43S, PZ-44I, PZ-69I

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:08 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	**SGWA-2 (bg)**	**0.2691**	**165**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-3 (bg)**	**0.1577**	**118**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-4 (bg)**	**0.6836**	**188**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-5 (bg)**	**0.05152**	**128**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-24 (bg)**	**0.6716**	**205**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWA-3 (bg)**	**-0.102**	**-115**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWA-24 (bg)**	**0.1828**	**146**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**SGWA-3 (bg)**	**0.01976**	**148**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**SGWA-4 (bg)**	**-0.01901**	**-171**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWA-3 (bg)**	**-0.128**	**-144**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWA-4 (bg)**	**-0.1188**	**-146**	**-105**	**Yes**	**24**	**8.333**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**SGWA-4 (bg)**	**4.811**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

Appendix IV Trend Tests - Upgradient Wells - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 2:51 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**SGWA-1 (bg)**	**-0.0007521**	**-101**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-3 (bg)**	**0.0007521**	**167**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-4 (bg)**	**0.004152**	**281**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-5 (bg)**	**0.0002816**	**146**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-24 (bg)**	**0.0008921**	**218**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-25 (bg)**	**0.0004906**	**131**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	**SGWA-1 (bg)**	**-0.00002045**	**-116**	**-96**	**Yes**	**27**	**51.85**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-2 (bg)**	**0.0001642**	**119**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-3 (bg)**	**0.002354**	**300**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-4 (bg)**	**0.0002901**	**148**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-24 (bg)**	**0.0002851**	**211**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.001701**	**-260**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.001657**	**-263**	**-96**	**Yes**	**27**	**14.81**	**n/a**	**0.05**	**NP**

Cobalt SGWA-1 & SGWA-25 Trend Test - Truncated Records - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.00009099**	**-54**	**-49**	**Yes**	**17**	**0**	**n/a**	**0.05**	**NP**

Cobalt SGWA-1 & SGWA-25 Trend Test - Truncated Records - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.00009099**	**-54**	**-49**	**Yes**	**17**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWA-25 (bg)	0	-1	-27	No	11	36.36	n/a	0.05	NP

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	SGWC-9	0.18	n/a	2/19/2025	1.4	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-10	0.18	n/a	2/19/2025	0.31	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-11	0.18	n/a	2/20/2025	0.87	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-13	0.18	n/a	2/19/2025	0.96	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-14	0.18	n/a	2/19/2025	1.6	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-15	0.18	n/a	2/20/2025	1.3	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-16	0.18	n/a	2/19/2025	0.88	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-17	0.18	n/a	2/19/2025	0.39	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-18	0.18	n/a	2/21/2025	5.5	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-19	0.18	n/a	2/21/2025	2	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-20	0.18	n/a	2/20/2025	1.9	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-21	0.18	n/a	2/20/2025	1.3	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-22	0.18	n/a	2/20/2025	0.52	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-23	0.18	n/a	2/21/2025	0.35	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Calcium (mg/L)	SGWC-8	23	n/a	2/19/2025	39	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-9	23	n/a	2/19/2025	29	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-12	23	n/a	2/19/2025	25	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-13	23	n/a	2/19/2025	31	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-14	23	n/a	2/19/2025	37	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-17	23	n/a	2/19/2025	79	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-18	23	n/a	2/21/2025	37	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-19	23	n/a	2/21/2025	43	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-21	23	n/a	2/20/2025	42	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-22	23	n/a	2/20/2025	25	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Chloride (mg/L)	SGWC-7	3.2	n/a	2/19/2025	4.6	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-8	3.2	n/a	2/19/2025	18	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-9	3.2	n/a	2/19/2025	14	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-10	3.2	n/a	2/19/2025	9.6	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-11	3.2	n/a	2/20/2025	12	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-12	3.2	n/a	2/19/2025	12	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-13	3.2	n/a	2/19/2025	25	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-14	3.2	n/a	2/19/2025	30	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-15	3.2	n/a	2/20/2025	11	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-16	3.2	n/a	2/19/2025	17	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-17	3.2	n/a	2/19/2025	20	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-19	3.2	n/a	2/21/2025	12	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-21	3.2	n/a	2/20/2025	5.5	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-22	3.2	n/a	2/20/2025	10	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-23	3.2	n/a	2/21/2025	8	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Fluoride (mg/L)	SGWC-7	0.2	n/a	2/19/2025	0.23	Yes	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
pH, Field (SU)	SGWC-15	7.01	5.09	2/20/2025	4.55	Yes	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-18	7.01	5.09	2/21/2025	4.78	Yes	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-20	7.01	5.09	2/20/2025	4.17	Yes	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-7	3.75	n/a	2/19/2025	4.8	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-8	3.75	n/a	2/19/2025	37	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-9	3.75	n/a	2/19/2025	120	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-10	3.75	n/a	2/19/2025	36	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-11	3.75	n/a	2/20/2025	31	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-12	3.75	n/a	2/19/2025	83	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-13	3.75	n/a	2/19/2025	170	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-14	3.75	n/a	2/19/2025	230	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-15	3.75	n/a	2/20/2025	210	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-16	3.75	n/a	2/19/2025	84	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-17	3.75	n/a	2/19/2025	340	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-18	3.75	n/a	2/21/2025	850	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-19	3.75	n/a	2/21/2025	270	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-20	3.75	n/a	2/20/2025	280	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-21	3.75	n/a	2/20/2025	120	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-22	3.75	n/a	2/20/2025	88	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-23	3.75	n/a	2/21/2025	52	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-8	200	n/a	2/19/2025	330	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-9	200	n/a	2/19/2025	310	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-12	200	n/a	2/19/2025	220	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	SGWC-13	200	n/a	2/19/2025	280	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-14	200	n/a	2/19/2025	350	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-15	200	n/a	2/20/2025	320	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-17	200	n/a	2/19/2025	520	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-18	200	n/a	2/21/2025	1100	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-19	200	n/a	2/21/2025	420	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-20	200	n/a	2/20/2025	390	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-21	200	n/a	2/20/2025	380	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-22	200	n/a	2/20/2025	210	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	SGWC-6	0.18	n/a	2/20/2025	0.069J	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-7	0.18	n/a	2/19/2025	0.08ND	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-8	0.18	n/a	2/19/2025	0.042J	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	**SGWC-9**	**0.18**	**n/a**	**2/19/2025**	**1.4**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-10**	**0.18**	**n/a**	**2/19/2025**	**0.31**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-11**	**0.18**	**n/a**	**2/20/2025**	**0.87**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	SGWC-12	0.18	n/a	2/19/2025	0.039J	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	**SGWC-13**	**0.18**	**n/a**	**2/19/2025**	**0.96**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-14**	**0.18**	**n/a**	**2/19/2025**	**1.6**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-15**	**0.18**	**n/a**	**2/20/2025**	**1.3**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-16**	**0.18**	**n/a**	**2/19/2025**	**0.88**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-17**	**0.18**	**n/a**	**2/19/2025**	**0.39**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-18**	**0.18**	**n/a**	**2/21/2025**	**5.5**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-19**	**0.18**	**n/a**	**2/21/2025**	**2**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-20**	**0.18**	**n/a**	**2/20/2025**	**1.9**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-21**	**0.18**	**n/a**	**2/20/2025**	**1.3**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-22**	**0.18**	**n/a**	**2/20/2025**	**0.52**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-23**	**0.18**	**n/a**	**2/21/2025**	**0.35**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	SGWC-6	23	n/a	2/20/2025	13	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-7	23	n/a	2/19/2025	17	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-8**	**23**	**n/a**	**2/19/2025**	**39**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-9**	**23**	**n/a**	**2/19/2025**	**29**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-10	23	n/a	2/19/2025	4.3	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-11	23	n/a	2/20/2025	3.3	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-12**	**23**	**n/a**	**2/19/2025**	**25**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-13**	**23**	**n/a**	**2/19/2025**	**31**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-14**	**23**	**n/a**	**2/19/2025**	**37**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-15	23	n/a	2/20/2025	16	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-16	23	n/a	2/19/2025	1.9	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-17**	**23**	**n/a**	**2/19/2025**	**79**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-18**	**23**	**n/a**	**2/21/2025**	**37**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-19**	**23**	**n/a**	**2/21/2025**	**43**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-20	23	n/a	2/20/2025	22	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-21**	**23**	**n/a**	**2/20/2025**	**42**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-22**	**23**	**n/a**	**2/20/2025**	**25**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-23	23	n/a	2/21/2025	19	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Chloride (mg/L)	SGWC-6	3.2	n/a	2/20/2025	2.6	No	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	**SGWC-7**	**3.2**	**n/a**	**2/19/2025**	**4.6**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-8**	**3.2**	**n/a**	**2/19/2025**	**18**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-9**	**3.2**	**n/a**	**2/19/2025**	**14**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-10**	**3.2**	**n/a**	**2/19/2025**	**9.6**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-11**	**3.2**	**n/a**	**2/20/2025**	**12**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-12**	**3.2**	**n/a**	**2/19/2025**	**12**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-13**	**3.2**	**n/a**	**2/19/2025**	**25**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-14**	**3.2**	**n/a**	**2/19/2025**	**30**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-15**	**3.2**	**n/a**	**2/20/2025**	**11**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-16**	**3.2**	**n/a**	**2/19/2025**	**17**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-17**	**3.2**	**n/a**	**2/19/2025**	**20**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	SGWC-18	3.2	n/a	2/21/2025	25ND	No	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	**SGWC-19**	**3.2**	**n/a**	**2/21/2025**	**12**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	SGWC-20	3.2	n/a	2/20/2025	6.3J	No	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	**SGWC-21**	**3.2**	**n/a**	**2/20/2025**	**5.5**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-22**	**3.2**	**n/a**	**2/20/2025**	**10**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-23**	**3.2**	**n/a**	**2/21/2025**	**8**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Fluoride (mg/L)	SGWC-6	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**SGWC-7**	**0.2**	**n/a**	**2/19/2025**	**0.23**	**Yes**	**195**	**n/a**	**n/a**	**57.95**	**n/a**	**n/a**	**0.00005191**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	SGWC-8	0.2	n/a	2/19/2025	0.17J	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-9	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-10	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-11	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-12	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-13	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-14	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	SGWC-15	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-16	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-17	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-18	0.2	n/a	2/21/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-19	0.2	n/a	2/21/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-20	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-21	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-22	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-23	0.2	n/a	2/21/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
pH, Field (SU)	SGWC-6	7.01	5.09	2/20/2025	6.3	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-7	7.01	5.09	2/19/2025	6.51	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-8	7.01	5.09	2/19/2025	6.65	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-9	7.01	5.09	2/19/2025	6.21	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-10	7.01	5.09	2/19/2025	5.32	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-11	7.01	5.09	2/20/2025	5.38	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-12	7.01	5.09	2/19/2025	6.22	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-13	7.01	5.09	2/19/2025	6.06	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-14	7.01	5.09	2/19/2025	5.79	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**SGWC-15**	**7.01**	**5.09**	**2/20/2025**	**4.55**	**Yes**	**205**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	SGWC-16	7.01	5.09	2/19/2025	5.1	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-17	7.01	5.09	2/19/2025	6.28	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**SGWC-18**	**7.01**	**5.09**	**2/21/2025**	**4.78**	**Yes**	**205**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	SGWC-19	7.01	5.09	2/21/2025	5.59	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**SGWC-20**	**7.01**	**5.09**	**2/20/2025**	**4.17**	**Yes**	**205**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	SGWC-21	7.01	5.09	2/20/2025	6.44	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-22	7.01	5.09	2/20/2025	5.7	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-23	7.01	5.09	2/21/2025	5.93	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-6	3.75	n/a	2/20/2025	1ND	No	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**SGWC-7**	**3.75**	**n/a**	**2/19/2025**	**4.8**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-8**	**3.75**	**n/a**	**2/19/2025**	**37**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-9**	**3.75**	**n/a**	**2/19/2025**	**120**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-10**	**3.75**	**n/a**	**2/19/2025**	**36**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-11**	**3.75**	**n/a**	**2/20/2025**	**31**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-12**	**3.75**	**n/a**	**2/19/2025**	**83**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-13**	**3.75**	**n/a**	**2/19/2025**	**170**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-14**	**3.75**	**n/a**	**2/19/2025**	**230**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-15**	**3.75**	**n/a**	**2/20/2025**	**210**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-16**	**3.75**	**n/a**	**2/19/2025**	**84**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-17**	**3.75**	**n/a**	**2/19/2025**	**340**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-18**	**3.75**	**n/a**	**2/21/2025**	**850**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-19**	**3.75**	**n/a**	**2/21/2025**	**270**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-20**	**3.75**	**n/a**	**2/20/2025**	**280**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-21**	**3.75**	**n/a**	**2/20/2025**	**120**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-22**	**3.75**	**n/a**	**2/20/2025**	**88**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-23**	**3.75**	**n/a**	**2/21/2025**	**52**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-6	200	n/a	2/20/2025	130	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-7	200	n/a	2/19/2025	160	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	**SGWC-8**	**200**	**n/a**	**2/19/2025**	**330**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-9**	**200**	**n/a**	**2/19/2025**	**310**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-10	200	n/a	2/19/2025	93	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-11	200	n/a	2/20/2025	90	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	**SGWC-12**	**200**	**n/a**	**2/19/2025**	**220**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-13**	**200**	**n/a**	**2/19/2025**	**280**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-14**	**200**	**n/a**	**2/19/2025**	**350**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-15**	**200**	**n/a**	**2/20/2025**	**320**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-16	200	n/a	2/19/2025	150	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	**SGWC-17**	**200**	**n/a**	**2/19/2025**	**520**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-18**	**200**	**n/a**	**2/21/2025**	**1100**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-19**	**200**	**n/a**	**2/21/2025**	**420**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-20**	**200**	**n/a**	**2/20/2025**	**390**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-21**	**200**	**n/a**	**2/20/2025**	**380**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-22**	**200**	**n/a**	**2/20/2025**	**210**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-23	200	n/a	2/21/2025	190	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:59 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	SGWC-10	0.02525	199	105	Yes	24	8.333	n/a	0.01	NP
Boron (mg/L)	SGWC-11	0.05585	245	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-16	0.02666	161	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-18	0.408	196	111	Yes	25	0	n/a	0.01	NP
Boron (mg/L)	SGWC-20	-0.04741	-112	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-22	0.01961	145	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-23	-0.02692	-146	-105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-2 (bg)	0.2691	165	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-3 (bg)	0.1577	118	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-4 (bg)	0.6836	188	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-5 (bg)	0.05152	128	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-24 (bg)	0.6716	205	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-9	-2.195	-143	-105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-13	1.059	216	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-17	3.768	238	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-19	1.055	144	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-21	1.553	167	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-22	0.8824	159	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-3 (bg)	-0.102	-115	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-24 (bg)	0.1828	146	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-7	-0.3605	-177	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-9	1.22	191	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-11	0.3582	141	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-12	0.175	171	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-13	1.183	228	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-14	0.4032	123	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-15	0.2885	159	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-16	0.314	184	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-18	1.326	148	111	Yes	25	4	n/a	0.01	NP
Chloride (mg/L)	SGWC-23	0.2906	115	105	Yes	24	0	n/a	0.01	NP
pH, Field (SU)	SGWA-3 (bg)	0.01976	148	139	Yes	29	0	n/a	0.01	NP
pH, Field (SU)	SGWA-4 (bg)	-0.01901	-171	-139	Yes	29	0	n/a	0.01	NP
pH, Field (SU)	SGWC-18	0.02047	160	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	SGWA-3 (bg)	-0.128	-144	-105	Yes	24	4.167	n/a	0.01	NP
Sulfate (mg/L)	SGWA-4 (bg)	-0.1188	-146	-105	Yes	24	8.333	n/a	0.01	NP
Sulfate (mg/L)	SGWC-7	-1.767	-187	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-9	-16.63	-137	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-12	4.6	212	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-13	4.003	171	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-16	6.484	270	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-17	16.04	248	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-19	7.411	129	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-21	6.509	162	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-22	4	152	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-23	-9.483	-227	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-4 (bg)	4.811	142	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-9	-20.64	-144	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-13	10.2	171	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-17	21.73	235	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-19	10.51	117	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-22	8.746	117	105	Yes	24	0	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:59 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	SGWA-1 (bg)	0	-44	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	SGWA-2 (bg)	0	-46	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	SGWA-3 (bg)	0	-12	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	SGWA-4 (bg)	0	-1	-105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	SGWA-5 (bg)	0	-41	-105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	SGWA-24 (bg)	0	7	105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	SGWA-25 (bg)	0	18	105	No	24	87.5	n/a	0.01	NP
Boron (mg/L)	SGWC-9	-0.004047	-49	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-10**	**0.02525**	**199**	**105**	**Yes**	**24**	**8.333**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**SGWC-11**	**0.05585**	**245**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-13	0.02031	77	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-14	0.02217	102	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-15	-0.02473	-74	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-16**	**0.02666**	**161**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-17	0	6	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-18**	**0.408**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-19	0.01622	62	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-20**	**-0.04741**	**-112**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-21	-0.01642	-85	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-22**	**0.01961**	**145**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**SGWC-23**	**-0.02692**	**-146**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWA-1 (bg)	-0.03201	-47	-105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWA-2 (bg)**	**0.2691**	**165**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-3 (bg)**	**0.1577**	**118**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-4 (bg)**	**0.6836**	**188**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-5 (bg)**	**0.05152**	**128**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-24 (bg)**	**0.6716**	**205**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWA-25 (bg)	-0.06868	-49	-105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-8	-0.3636	-31	-105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-9**	**-2.195**	**-143**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWC-12	0.234	80	105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-13**	**1.059**	**216**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWC-14	0.169	42	105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-17**	**3.768**	**238**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWC-18	-1.435	-55	-111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-19**	**1.055**	**144**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWC-21**	**1.553**	**167**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWC-22**	**0.8824**	**159**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWA-1 (bg)	0	22	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-2 (bg)	0	11	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWA-3 (bg)**	**-0.102**	**-115**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWA-4 (bg)	0	-1	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-5 (bg)	0.02482	65	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWA-24 (bg)**	**0.1828**	**146**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWA-25 (bg)	0	-10	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-7**	**-0.3605**	**-177**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-8	0.4393	79	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-9**	**1.22**	**191**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-10	0.05862	59	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-11**	**0.3582**	**141**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-12**	**0.175**	**171**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-13**	**1.183**	**228**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-14**	**0.4032**	**123**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-15**	**0.2885**	**159**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-16**	**0.314**	**184**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-17	0	-13	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-18**	**1.326**	**148**	**111**	**Yes**	**25**	**4**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-19	0.2838	85	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-20	-0.1353	-87	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-21	0.2523	68	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-22	0.08106	104	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-23**	**0.2906**	**115**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:59 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Fluoride (mg/L)	SGWA-1 (bg)	0	-64	-131	No	28	85.71	n/a	0.01	NP
Fluoride (mg/L)	SGWA-2 (bg)	0	-51	-131	No	28	42.86	n/a	0.01	NP
Fluoride (mg/L)	SGWA-3 (bg)	0	8	131	No	28	67.86	n/a	0.01	NP
Fluoride (mg/L)	SGWA-4 (bg)	-0.003296	-80	-124	No	27	40.74	n/a	0.01	NP
Fluoride (mg/L)	SGWA-5 (bg)	0	-37	-131	No	28	78.57	n/a	0.01	NP
Fluoride (mg/L)	SGWA-24 (bg)	-0.0003025	-69	-131	No	28	42.86	n/a	0.01	NP
Fluoride (mg/L)	SGWA-25 (bg)	0	-21	-131	No	28	46.43	n/a	0.01	NP
Fluoride (mg/L)	SGWC-7	-0.005789	-76	-131	No	28	3.571	n/a	0.01	NP
pH, Field (SU)	SGWA-1 (bg)	-0.01736	-88	-139	No	29	0	n/a	0.01	NP
pH, Field (SU)	SGWA-2 (bg)	0.0054	61	139	No	29	0	n/a	0.01	NP
pH, Field (SU)	**SGWA-3 (bg)**	**0.01976**	**148**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**SGWA-4 (bg)**	**-0.01901**	**-171**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	SGWA-5 (bg)	-0.008975	-73	-146	No	30	0	n/a	0.01	NP
pH, Field (SU)	SGWA-24 (bg)	0.002555	32	139	No	29	0	n/a	0.01	NP
pH, Field (SU)	SGWA-25 (bg)	-0.01139	-86	-146	No	30	0	n/a	0.01	NP
pH, Field (SU)	SGWC-15	-0.01023	-106	-139	No	29	0	n/a	0.01	NP
pH, Field (SU)	**SGWC-18**	**0.02047**	**160**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	SGWC-20	-0.004976	-57	-139	No	29	0	n/a	0.01	NP
Sulfate (mg/L)	SGWA-1 (bg)	-0.02284	-52	-105	No	24	20.83	n/a	0.01	NP
Sulfate (mg/L)	SGWA-2 (bg)	0	6	105	No	24	54.17	n/a	0.01	NP
Sulfate (mg/L)	**SGWA-3 (bg)**	**-0.128**	**-144**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWA-4 (bg)**	**-0.1188**	**-146**	**-105**	**Yes**	**24**	**8.333**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWA-5 (bg)	0	54	105	No	24	83.33	n/a	0.01	NP
Sulfate (mg/L)	SGWA-24 (bg)	0	32	105	No	24	83.33	n/a	0.01	NP
Sulfate (mg/L)	SGWA-25 (bg)	0	30	105	No	24	79.17	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-7**	**-1.767**	**-187**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-8	0	-7	-105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-9**	**-16.63**	**-137**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-10	0.822	55	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-11	-0.09154	-33	-105	No	24	12.5	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-12**	**4.6**	**212**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-13**	**4.003**	**171**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-14	2.541	89	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-15	0	51	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-16**	**6.484**	**270**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-17**	**16.04**	**248**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-18	45.63	62	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-19**	**7.411**	**129**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-20	0	6	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-21**	**6.509**	**162**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-22**	**4**	**152**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-23**	**-9.483**	**-227**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWA-1 (bg)	1.413	39	105	No	24	4.167	n/a	0.01	NP
TDS (mg/L)	SGWA-2 (bg)	0.2276	50	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-3 (bg)	1.563	48	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWA-4 (bg)**	**4.811**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWA-5 (bg)	1.28	48	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-24 (bg)	2.602	95	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-25 (bg)	-0.7464	-36	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-8	-5.894	-95	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-9**	**-20.64**	**-144**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-12	2.575	85	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-13**	**10.2**	**171**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-14	4.547	103	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-15	1.456	49	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-17**	**21.73**	**235**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-18	66.6	68	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-19**	**10.51**	**117**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-20	1.306	35	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-21	9.566	103	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-22**	**8.746**	**117**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits Summary Table

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:26 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0021	154	n/a	n/a	95.45	n/a	n/a	0.0003711	NP Inter(NDs)
Arsenic (mg/L)	0.0015	189	n/a	n/a	88.36	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.091	189	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0025	189	n/a	n/a	92.59	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	0.0025	182	n/a	n/a	98.9	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.027	196	n/a	n/a	24.49	n/a	n/a	NaN	NP Inter(normality)
Cobalt (mg/L)	0.0025	163	n/a	n/a	77.3	n/a	n/a	0.0002339	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.66	189	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Fluoride (mg/L)	0.2	195	n/a	n/a	57.95	n/a	n/a	NaN	NP Inter(NDs)
Lead (mg/L)	0.001	189	n/a	n/a	94.18	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.0051	189	n/a	n/a	84.66	n/a	n/a	NaN	NP Inter(NDs)
Mercury (mg/L)	0.0005	191	n/a	n/a	93.19	n/a	n/a	NaN	NP Inter(NDs)
Molybdenum (mg/L)	0.015	182	n/a	n/a	93.41	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	0.005	189	n/a	n/a	93.12	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.001	189	n/a	n/a	93.65	n/a	n/a	NaN	NP Inter(NDs)

SCHERER ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0021	0.006
Arsenic, Total (mg/L)	0.01		0.0015	0.01
Barium, Total (mg/L)	2		0.091	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		0.027	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		1.66	5
Fluoride, Total (mg/L)	4		0.2	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.0051	0.04
Mercury, Total (mg/L)	0.002		0.0005	0.002
Molybdenum, Total (mg/L)		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

Grey cell indicates Background Limit is higher than MCL or CCR-Rule Specified Level

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

Appendix IV Confidence Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.02975**	**0.02249**	**0.006**	**Yes**	**27**	**0.02612**	**0.007607**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02648**	**0.02085**	**0.006**	**Yes**	**27**	**0.02367**	**0.005903**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-14**	**0.01095**	**0.007151**	**0.006**	**Yes**	**27**	**0.00905**	**0.003981**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2731**	**0.2552**	**0.006**	**Yes**	**27**	**0.2641**	**0.01872**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.1383**	**0.09971**	**0.006**	**Yes**	**28**	**0.119**	**0.04127**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.1984**	**0.1464**	**0.006**	**Yes**	**27**	**0.1724**	**0.05452**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	21	0.001924	0.0003491	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-10	0.002	0.0014	0.006	No	21	0.001971	0.0001309	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	21	0.001924	0.0003491	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	20	0.00196	0.0001789	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-19	0.0021	0.002	0.006	No	21	0.002005	0.00002182	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-20	0.002	0.0019	0.006	No	20	0.001995	0.00002236	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-21	0.002	0.0019	0.006	No	21	0.001995	0.00002182	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-22	0.0022	0.002	0.006	No	21	0.00201	0.00004364	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-23	0.002	0.00098	0.006	No	21	0.001951	0.0002226	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-13S	0.002	0.00046	0.006	No	7	0.00178	0.0005821	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	PZ-17I	0.002	0.00061	0.006	No	7	0.001801	0.0005254	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	PZ-40I	0.002	0.00089	0.006	No	7	0.001841	0.0004195	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	PZ-42I	0.002	0.0009	0.006	No	7	0.001843	0.0004158	85.71	None	No	0.008	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	27	0.0009444	0.0001619	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0009	0.01	No	27	0.0009141	0.0001769	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.001	0.01	No	27	0.0009174	0.0001864	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.0009	0.01	No	27	0.0008993	0.0001979	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	27	0.0009567	0.0001293	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.00103	0.001	0.01	No	27	0.001004	0.00008692	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.001	0.001	0.01	No	27	0.0009174	0.0002182	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.001	0.00088	0.01	No	27	0.0009793	0.0001441	85.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	27	0.0009796	0.0001569	81.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001418	0.0008969	0.01	No	27	0.001323	0.0005914	18.52	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	27	0.0009415	0.0001722	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	27	0.0009344	0.0001626	77.78	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.002812	0.001697	0.01	No	28	0.002255	0.001194	3.571	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	27	0.0009726	0.00009971	92.59	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	27	0.0008593	0.0003362	40.74	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	27	0.0009911	0.00004619	96.3	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	27	0.0008863	0.0002378	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	27	0.0009778	0.00008386	92.59	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-39S	0.0019	0.00028	0.01	No	8	0.001023	0.000435	75	None	No	0.004	NP (NDs)
Arsenic (mg/L)	PZ-42I	0.001	0.00049	0.01	No	8	0.0009363	0.0001803	87.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	PZ-69I	0.001	0.00059	0.01	No	7	0.0008614	0.0001786	57.14	None	No	0.008	NP (NDs)
Barium (mg/L)	SGWC-6	0.1217	0.08184	2	No	27	0.1018	0.04181	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2833	0.2455	2	No	27	0.2644	0.03964	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.1843	0.1584	2	No	27	0.1713	0.02713	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-9	0.06263	0.05144	2	No	27	0.05703	0.01173	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-10	0.03381	0.02891	2	No	27	0.03136	0.005133	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.045	0.038	2	No	27	0.04371	0.008632	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-12	0.05602	0.04387	2	No	27	0.04994	0.01273	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.03663	0.02986	2	No	27	0.03324	0.007102	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05589	0.04713	2	No	27	0.05151	0.009175	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.03603	0.03016	2	No	27	0.03309	0.006152	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.03285	0.02265	2	No	27	0.02851	0.01158	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-17	0.02465	0.02052	2	No	27	0.02259	0.004338	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02107	0.01416	2	No	28	0.0182	0.007827	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-19	0.03767	0.03005	2	No	27	0.03386	0.007985	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03051	0.0236	2	No	27	0.02741	0.007686	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-21	0.12	0.092	2	No	27	0.1034	0.01406	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.08756	0.07867	2	No	27	0.08311	0.009323	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.085	0.06	2	No	27	0.07228	0.01372	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-13S	0.04993	0.04236	2	No	7	0.04614	0.003185	0	None	No	0.01	Param.
Barium (mg/L)	PZ-14S	0.03683	0.03229	2	No	9	0.03456	0.002351	0	None	No	0.01	Param.
Barium (mg/L)	PZ-17I	0.06477	0.05523	2	No	8	0.06	0.004504	0	None	No	0.01	Param.
Barium (mg/L)	PZ-39S	0.0445	0.03421	2	No	8	0.03875	0.007924	0	None	x^4	0.01	Param.
Barium (mg/L)	PZ-40I	0.089	0.033	2	No	8	0.04563	0.01888	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-41S	0.059	0.023	2	No	9	0.02922	0.01149	0	None	No	0.002	NP (normality)
Barium (mg/L)	PZ-42I	0.1	0.047	2	No	8	0.05725	0.01746	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-43S	0.12	0.07	2	No	8	0.0805	0.01663	0	None	No	0.004	NP (normality)

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	PZ-44I	0.014	0.0078	2	No	8	0.009475	0.002025	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-69I	0.1939	0.1376	2	No	7	0.1657	0.0237	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	27	0.002415	0.0004426	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-7	0.0025	0.00033	0.004	No	27	0.00242	0.0004176	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	27	0.002333	0.000602	92.59	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	27	0.002417	0.0004311	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	27	0.002342	0.0005716	92.59	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00052	0.00038	0.004	No	27	0.0005163	0.0002731	11.11	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	27	0.002418	0.0004272	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00035	0.004	No	28	0.00157	0.001094	57.14	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-19	0.0025	0.00022	0.004	No	27	0.001986	0.0009794	77.78	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008241	0.0006656	0.004	No	27	0.0007449	0.0001661	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	27	0.00242	0.0004176	96.3	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	26	0.002412	0.0004471	96.15	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	26	0.002416	0.0004295	96.15	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	26	0.002412	0.0004471	96.15	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	26	0.002058	0.0009276	80.77	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.00047	0.00027	0.005	No	26	0.0009906	0.001028	30.77	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00032	0.005	No	26	0.001717	0.001099	65.38	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	26	0.002325	0.000618	92.31	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-20	0.0025	0.00015	0.005	No	26	0.002041	0.0009584	80.77	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	26	0.002419	0.0004138	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-7	0.002	0.002	0.1	No	27	0.002	0.0001664	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0023	0.0016	0.1	No	27	0.004107	0.01021	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	SGWC-9	0.0039	0.0017	0.1	No	27	0.002059	0.0003724	92.59	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-10	0.002	0.0012	0.1	No	27	0.00197	0.000154	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	27	0.002011	0.00005774	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	27	0.001989	0.00005774	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0016	0.1	No	27	0.001993	0.000998	62.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03472	0.03257	0.1	No	27	0.03364	0.002252	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01225	0.01041	0.1	No	27	0.01133	0.001929	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.007298	0.004902	0.1	No	27	0.0061	0.002511	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.009957	0.007939	0.1	No	28	0.009161	0.002491	0	None	ln(x)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.0157	0.01439	0.1	No	27	0.01504	0.00137	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0016	0.1	No	27	0.001915	0.0003022	77.78	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.002	0.002	0.1	No	27	0.00193	0.0002072	77.78	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0022	0.0015	0.1	No	27	0.001889	0.0004526	59.26	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001813	0.00136	0.1	No	27	0.001889	0.0004309	33.33	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	PZ-13S	0.00419	0.002467	0.1	No	7	0.003329	0.0007251	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-14S	0.002604	0.001752	0.1	No	9	0.002178	0.000441	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-17I	0.004322	0.002803	0.1	No	8	0.003563	0.000717	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-39S	0.03004	0.01138	0.1	No	8	0.02071	0.008801	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-41S	0.0059	0.00125	0.1	No	9	0.005128	0.001493	11.11	None	No	0.002	NP (normality)
Chromium (mg/L)	PZ-42I	0.003	0.0012	0.1	No	8	0.002025	0.0004833	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	PZ-43S	0.002	0.0012	0.1	No	8	0.0019	0.0002828	50	None	No	0.004	NP (normality)
Chromium (mg/L)	PZ-44I	0.0046	0.0013	0.1	No	8	0.002238	0.0009855	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.0025	0.0016	0.006	No	27	0.002046	0.001083	48.15	None	No	0.01	NP (normality)
Cobalt (mg/L)	SGWC-7	0.008606	0.003681	0.006	No	27	0.006144	0.005163	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.0012	0.006	No	27	0.001977	0.0009328	70.37	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.013	0.00072	0.006	No	27	0.007037	0.006034	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-10**	**0.02975**	**0.02249**	**0.006**	**Yes**	**27**	**0.02612**	**0.007607**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02648**	**0.02085**	**0.006**	**Yes**	**27**	**0.02367**	**0.005903**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003441	0.002142	0.006	No	27	0.002791	0.001362	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.0073	0.0019	0.006	No	27	0.004444	0.003599	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-14**	**0.01095**	**0.007151**	**0.006**	**Yes**	**27**	**0.00905**	**0.003981**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2731**	**0.2552**	**0.006**	**Yes**	**27**	**0.2641**	**0.01872**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.005219	0.003843	0.006	No	27	0.004616	0.001552	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.0007	0.00043	0.006	No	27	0.0006174	0.0003008	14.81	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.1383**	**0.09971**	**0.006**	**Yes**	**28**	**0.119**	**0.04127**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00049	0.006	No	27	0.001653	0.001058	59.26	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-20**	**0.1984**	**0.1464**	**0.006**	**Yes**	**27**	**0.1724**	**0.05452**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00017	0.006	No	27	0.001804	0.001093	70.37	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.002666	0.001431	0.006	No	27	0.002203	0.001448	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.006	No	27	0.002412	0.0004561	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-13S	0.006288	0.004752	0.006	No	10	0.00552	0.0008613	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-14S	0.0025	0.00019	0.006	No	11	0.0006891	0.0008994	18.18	None	No	0.006	NP (normality)
Cobalt (mg/L)	PZ-39S	0.0025	0.00028	0.006	No	10	0.001415	0.001146	50	None	No	0.011	NP (normality)
Cobalt (mg/L)	PZ-40I	0.003835	0.0008346	0.006	No	8	0.002348	0.002243	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-41S	0.002096	0.0003762	0.006	No	11	0.001616	0.002558	9.091	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-42I	0.002213	0.0002301	0.006	No	8	0.001349	0.002078	12.5	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-43S	0.0025	0.00097	0.006	No	10	0.002732	0.002213	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	PZ-44I	0.00246	0.00154	0.006	No	8	0.002	0.0004342	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-69I	0.00319	0.001582	0.006	No	7	0.002386	0.0006768	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.3692	0.1624	5	No	27	0.2658	0.2168	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.4923	0.2802	5	No	27	0.3863	0.2224	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.378	1.837	5	No	27	2.108	0.5677	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3622	0.1554	5	No	27	0.2588	0.2167	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.47	0.102	5	No	27	0.3223	0.3372	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.508	0.1896	5	No	27	0.3488	0.3338	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4349	0.1765	5	No	27	0.3057	0.2708	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4293	0.2022	5	No	27	0.3157	0.238	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3383	0.09009	5	No	27	0.2142	0.2601	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4903	0.2877	5	No	27	0.389	0.2124	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3383	0.1269	5	No	27	0.2326	0.2215	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.3762	0.1905	5	No	27	0.2833	0.1946	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.433	0.139	5	No	28	0.3213	0.3402	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.419	0.114	5	No	27	0.2724	0.3349	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.513	0.2486	5	No	27	0.3808	0.2772	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.239	5	No	27	0.5284	0.4825	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4434	0.1654	5	No	27	0.3587	0.3835	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.5986	0.3623	5	No	27	0.4805	0.2476	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-13S	0.2311	-0.0771	5	No	7	0.077	0.1297	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-14S	0.4233	0.1213	5	No	9	0.2723	0.1564	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17I	1.972	-0.001201	5	No	9	0.89	1.865	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-39S	0.535	-0.002713	5	No	8	0.2662	0.2537	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-40I	1.477	0.1771	5	No	8	0.8269	0.613	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-41S	0.4964	-0.06232	5	No	9	0.217	0.2893	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-42I	0.8268	0.1377	5	No	8	0.4663	0.3925	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-43S	0.9349	0.07654	5	No	8	0.4794	0.506	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-44I	1.026	-0.001786	5	No	8	0.3456	0.4649	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-69I	0.8086	0.07166	5	No	7	0.4401	0.3102	0	None	No	0.01	Param.
Fluoride (mg/L)	SGWC-6	0.1219	0.09328	4	No	28	0.1398	0.04474	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	SGWC-7	0.2239	0.1779	4	No	28	0.2009	0.04929	3.571	None	No	0.01	Param.
Fluoride (mg/L)	SGWC-8	0.5239	0.372	4	No	28	0.459	0.1766	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	SGWC-9	0.09532	0.05954	4	No	28	0.1445	0.0963	42.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	SGWC-10	0.2	0.047	4	No	28	0.1704	0.06474	82.14	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-11	0.2	0.08	4	No	28	0.1739	0.05762	82.14	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-12	0.08978	0.06377	4	No	28	0.1133	0.05816	25	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	SGWC-13	0.2	0.077	4	No	28	0.1542	0.07077	67.86	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-14	0.2	0.068	4	No	28	0.1535	0.07513	71.43	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-15	0.14	0.11	4	No	28	0.1332	0.0497	10.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	SGWC-16	0.2	0.09	4	No	28	0.1609	0.06992	75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-17	0.2	0.058	4	No	28	0.1226	0.07246	42.86	None	No	0.01	NP (normality)
Fluoride (mg/L)	SGWC-18	0.2	0.099	4	No	29	0.1528	0.06689	62.07	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-19	0.2	0.18	4	No	28	0.1763	0.05749	82.14	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-20	0.2371	0.1664	4	No	28	0.2018	0.07564	10.71	None	No	0.01	Param.
Fluoride (mg/L)	SGWC-21	0.2	0.079	4	No	28	0.1278	0.0585	35.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	SGWC-22	0.2	0.1	4	No	28	0.1573	0.06995	71.43	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-23	0.2	0.052	4	No	28	0.1173	0.06999	39.29	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-13S	0.2	0.042	4	No	7	0.1587	0.07094	71.43	None	No	0.008	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-14S	0.2	0.029	4	No	9	0.1636	0.0724	77.78	None	No	0.002	NP (NDs)
Fluoride (mg/L)	PZ-17I	0.2	0.028	4	No	8	0.1219	0.08382	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	PZ-39S	0.2	0.04	4	No	8	0.129	0.07721	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	PZ-40I	0.2	0.036	4	No	8	0.1604	0.07343	75	None	No	0.004	NP (NDs)
Fluoride (mg/L)	PZ-41S	0.2	0.035	4	No	9	0.1661	0.06754	77.78	None	No	0.002	NP (NDs)
Fluoride (mg/L)	PZ-42I	0.07964	0.03768	4	No	8	0.1114	0.07525	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-43S	0.2	0.028	4	No	8	0.1384	0.08514	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Fluoride (mg/L)	PZ-44I	0.2	0.031	4	No	8	0.1581	0.07754	75	Kaplan-Meier	No	0.004	NP (NDs)
Fluoride (mg/L)	PZ-69I	0.21	0.083	4	No	7	0.1614	0.05574	42.86	None	No	0.008	NP (normality)
Lead (mg/L)	SGWC-6	0.001	0.00054	0.015	No	27	0.0009533	0.0001746	92.59	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.015	No	27	0.0009311	0.0002284	88.89	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.015	No	27	0.0009596	0.0001525	92.59	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-10	0.001	0.00014	0.015	No	27	0.0009037	0.0002776	88.89	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-12	0.001	0.0002	0.015	No	27	0.0009704	0.000154	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.015	No	27	0.0009544	0.0001641	92.59	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.015	No	27	0.0009296	0.0002154	88.89	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.015	No	27	0.0009715	0.0001482	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.015	No	27	0.0009678	0.0001674	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.015	No	27	0.0009693	0.0001597	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.015	No	28	0.0009643	0.000143	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-19	0.001	0.00033	0.015	No	27	0.0009752	0.0001289	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00027	0.015	No	27	0.000657	0.0003682	51.85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.015	No	27	0.0009622	0.0008186	74.07	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.015	No	27	0.0008463	0.0003286	81.48	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.015	No	27	0.0009663	0.0001751	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-13S	0.001	0.00069	0.015	No	7	0.0009557	0.0001172	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	PZ-42I	0.001	0.00019	0.015	No	8	0.0008988	0.0002864	87.5	None	No	0.004	NP (NDs)
Lithium (mg/L)	SGWC-6	0.005	0.0046	0.04	No	27	0.004711	0.0008746	85.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-7	0.005198	0.004061	0.04	No	27	0.00463	0.001192	3.704	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0023	0.04	No	27	0.00407	0.001477	70.37	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-9	0.005	0.0014	0.04	No	27	0.004867	0.0006928	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-10	0.005	0.0011	0.04	No	27	0.004856	0.0007506	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0031	0.04	No	27	0.004144	0.001332	59.26	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0012	0.04	No	27	0.004715	0.001028	92.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0026	0.04	No	27	0.004544	0.00114	85.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0035	0.04	No	27	0.004563	0.001126	85.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.04	No	27	0.004126	0.000969	48.15	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-16	0.005	0.0038	0.04	No	27	0.004685	0.0009894	88.89	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.04	No	27	0.004867	0.0006928	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.00465	0.003707	0.04	No	28	0.004629	0.0009083	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.0072	0.0027	0.04	No	27	0.005293	0.003233	70.37	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004603	0.003523	0.04	No	27	0.004063	0.001133	14.81	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.04	No	27	0.004411	0.001221	77.78	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.04	No	27	0.004436	0.00127	81.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0034	0.04	No	27	0.004144	0.0009846	40.74	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-13S	0.005	0.0023	0.04	No	7	0.004014	0.001267	57.14	None	No	0.008	NP (NDs)
Lithium (mg/L)	PZ-14S	0.005	0.0015	0.04	No	11	0.0039	0.0016	63.64	None	No	0.006	NP (NDs)
Lithium (mg/L)	PZ-17I	0.005	0.0016	0.04	No	8	0.004162	0.001551	75	None	No	0.004	NP (NDs)
Lithium (mg/L)	PZ-39S	0.01448	0.002234	0.04	No	8	0.008062	0.006614	12.5	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-40I	0.01349	0.008107	0.04	No	8	0.0108	0.002541	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-41S	0.0057	0.00099	0.04	No	9	0.004399	0.001489	66.67	None	No	0.002	NP (NDs)
Lithium (mg/L)	PZ-42I	0.028	0.0025	0.04	No	8	0.007187	0.008518	12.5	None	No	0.004	NP (normality)
Lithium (mg/L)	PZ-43S	0.004556	0.002344	0.04	No	8	0.003837	0.001203	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	PZ-44I	0.03617	0.008255	0.04	No	12	0.02342	0.02114	8.333	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-69I	0.005	0.0025	0.04	No	7	0.003929	0.0012	42.86	None	No	0.008	NP (normality)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	27	0.0001967	0.00001732	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	27	0.0001967	0.00001732	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	27	0.0001954	0.00002386	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	27	0.0001963	0.00001925	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	27	0.0001974	0.00001347	96.3	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	27	0.0001963	0.00001925	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	27	0.000196	0.00002059	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	27	0.0001967	0.00001732	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	27	0.0001848	0.00003755	81.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00012	0.002	No	27	0.000155	0.00004467	40.74	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	27	0.0001954	0.00002386	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	27	0.0001814	0.00003788	77.78	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001824	0.0001241	0.002	No	28	0.0001814	0.00004614	39.29	Kaplan-Meier	x^3	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	27	0.0001883	0.00003468	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	27	0.0001963	0.00001925	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	27	0.0001963	0.00001944	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.0002	0.00011	0.002	No	27	0.0001915	0.00003788	85.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-13S	0.0004163	0.00009181	0.002	No	7	0.0002409	0.0002042	0	None	ln(x)	0.01	Param.
Mercury (mg/L)	PZ-44I	0.0002	0.000084	0.002	No	8	0.0001855	0.00004101	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.1	No	26	0.01391	0.003847	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.0033	0.0012	0.1	No	26	0.004209	0.005416	19.23	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.1	No	26	0.0139	0.003868	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.001	0.1	No	26	0.01016	0.006788	65.38	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.1	No	26	0.01393	0.003764	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.1	No	26	0.01399	0.003572	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-23	0.015	0.00062	0.1	No	26	0.01445	0.00282	96.15	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-39S	0.0075	0.00087	0.1	No	7	0.001994	0.002431	14.29	None	No	0.008	NP (normality)
Molybdenum (mg/L)	PZ-40I	0.015	0.00079	0.1	No	7	0.01297	0.005371	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	PZ-42I	0.00859	0.005478	0.1	No	7	0.007	0.001374	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	PZ-69I	0.015	0.00069	0.1	No	7	0.007043	0.00745	42.86	None	No	0.008	NP (normality)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	27	0.00449	0.00147	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	27	0.004827	0.0008968	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	27	0.004832	0.0008737	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	27	0.004826	0.0009026	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	27	0.004664	0.00121	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	27	0.004685	0.001135	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0021	0.05	No	27	0.0044	0.002423	51.85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	27	0.003718	0.001864	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	27	0.004487	0.001479	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.007215	0.003178	0.05	No	28	0.007137	0.007397	10.71	None	ln(x)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00099	0.05	No	27	0.004373	0.001534	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.00396	0.05	No	27	0.004054	0.001694	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00075	0.05	No	27	0.004317	0.001672	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-17I	0.005	0.00047	0.05	No	8	0.004434	0.001602	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-39S	0.001965	0.00105	0.05	No	8	0.002425	0.001629	25	Kaplan-Meier	ln(x)	0.01	Param.
Selenium (mg/L)	PZ-40I	0.005	0.00059	0.05	No	8	0.004449	0.001559	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-41S	0.007043	0.005179	0.05	No	9	0.006111	0.0009649	0	None	No	0.01	Param.
Selenium (mg/L)	PZ-42I	0.005	0.00026	0.05	No	8	0.004407	0.001676	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-44I	0.005	0.00046	0.05	No	8	0.004432	0.001605	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	27	0.0008952	0.0002604	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	27	0.0009496	0.0001836	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	27	0.0009048	0.0002524	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	27	0.0009507	0.0001784	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	27	0.0009293	0.0002249	88.89	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	27	0.0009374	0.0002255	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	27	0.000947	0.0001914	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	27	0.0009711	0.0001501	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.001	0.00035	0.002	No	27	0.0009185	0.0002492	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.00016	0.002	No	27	0.0006612	0.0004231	59.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	27	0.0009719	0.0001463	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00068	0.00016	0.002	No	28	0.0004791	0.0003889	32.14	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00033	0.00017	0.002	No	27	0.0004267	0.000382	29.63	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	27	0.000977	0.0001193	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	27	0.0009689	0.0001617	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-41S	0.001	0.00034	0.002	No	9	0.0009267	0.00022	88.89	None	No	0.002	NP (NDs)

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 4:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.001701**	**-260**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.001657**	**-263**	**-96**	**Yes**	**27**	**14.81**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-11**	**-0.002089**	**-234**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-18**	**-0.008455**	**-168**	**-101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.01635**	**-213**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

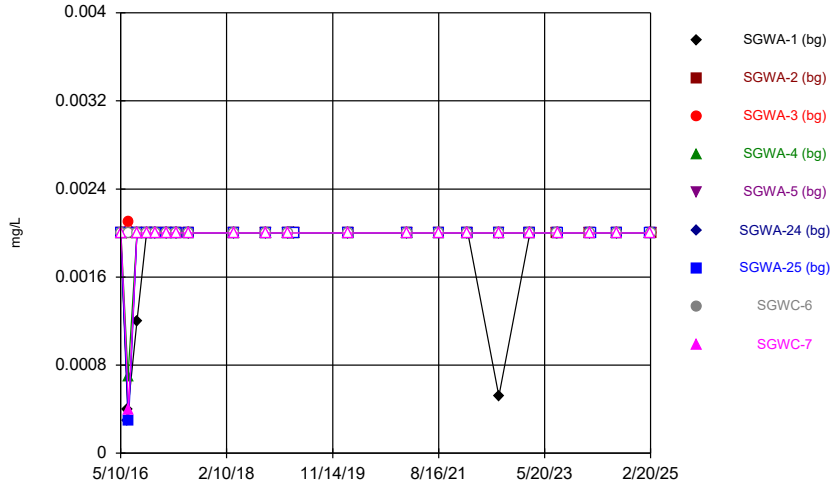
Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 4:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.001701**	**-260**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWA-2 (bg)	0	13	96	No	27	92.59	n/a	0.05	NP
Cobalt (mg/L)	SGWA-3 (bg)	0	22	96	No	27	96.3	n/a	0.05	NP
Cobalt (mg/L)	SGWA-4 (bg)	0	17	96	No	27	92.59	n/a	0.05	NP
Cobalt (mg/L)	SGWA-5 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Cobalt (mg/L)	SGWA-24 (bg)	0	17	96	No	27	70.37	n/a	0.05	NP
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.001657**	**-263**	**-96**	**Yes**	**27**	**14.81**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWC-10	0	16	96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	**SGWC-11**	**-0.002089**	**-234**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWC-14	-0.0002829	-41	-96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	SGWC-15	-0.001247	-49	-96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	**SGWC-18**	**-0.008455**	**-168**	**-101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.01635**	**-213**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**

FIGURE A.

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Hollow symbols indicate censored values.

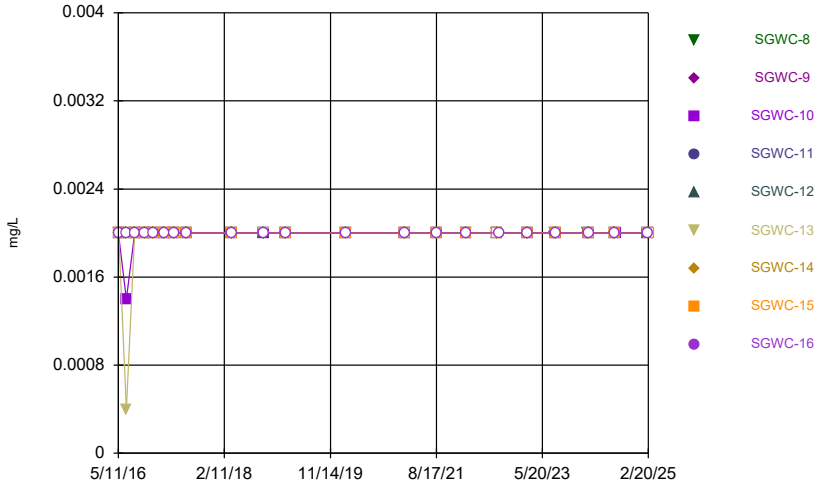
Time Series



Constituent: Antimony Analysis Run 5/12/2025 10:38 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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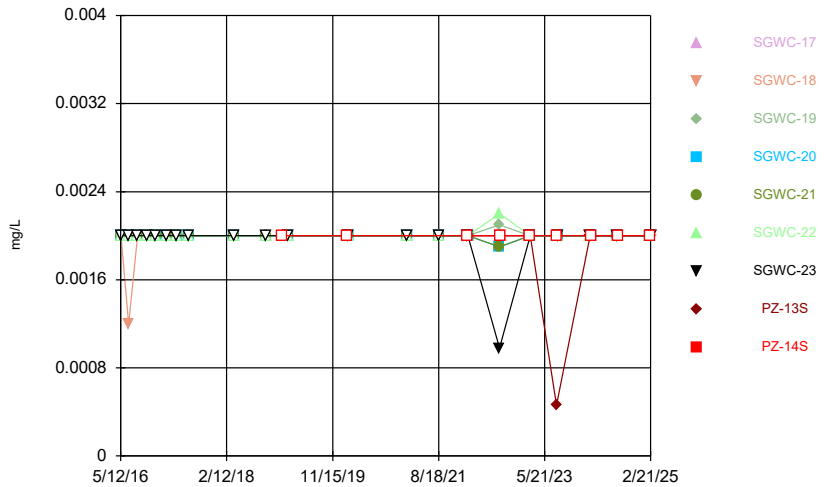
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Plant Scherer Client: Southern Company Data: Scherer AP

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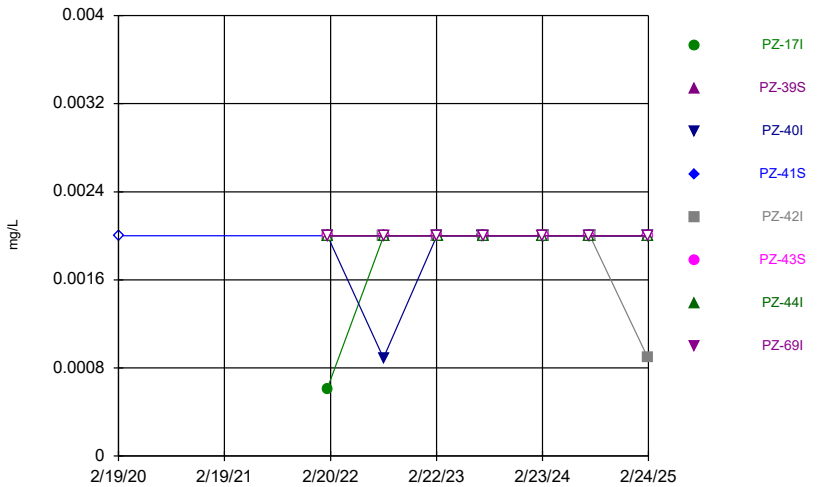
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Constituent: Antimony Analysis Run 5/12/2025 10:38 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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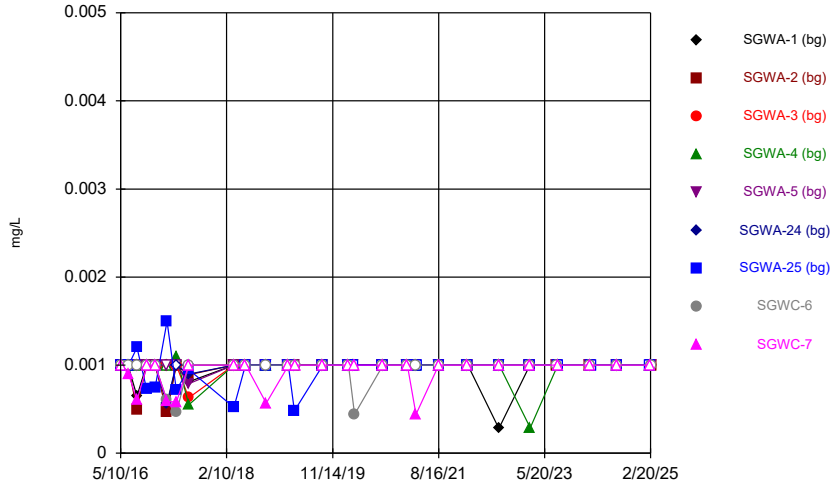
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Plant Scherer Client: Southern Company Data: Scherer AP

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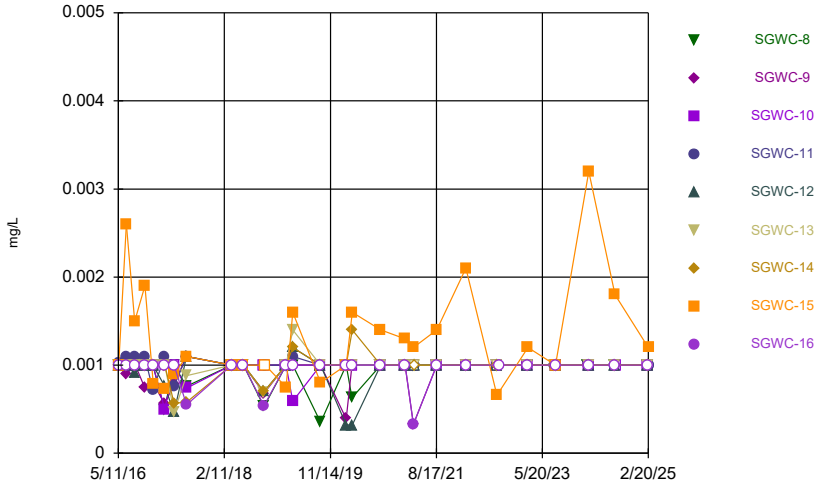
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Constituent: Arsenic Analysis Run 5/12/2025 10:38 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

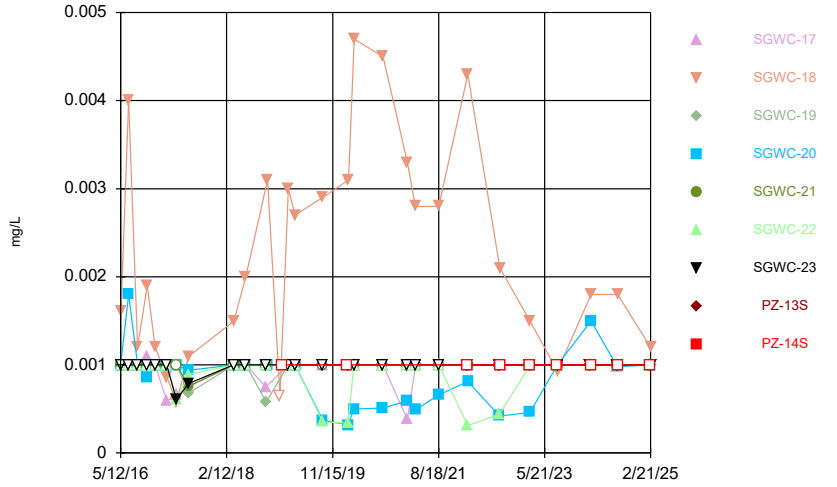
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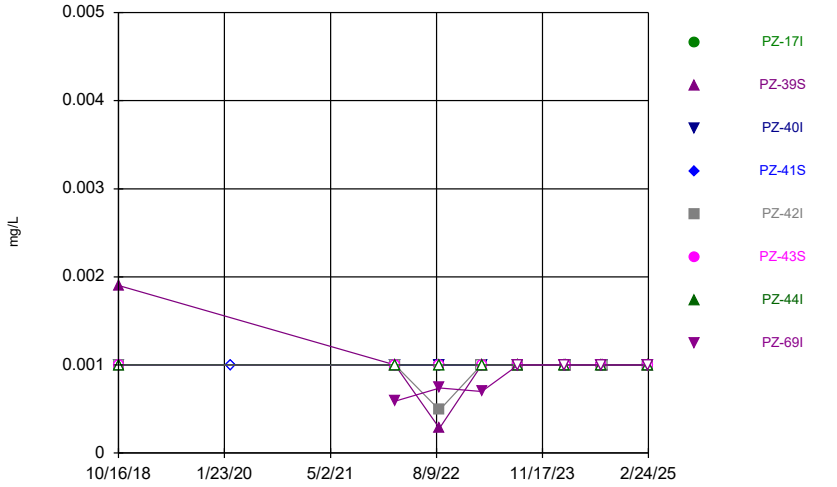
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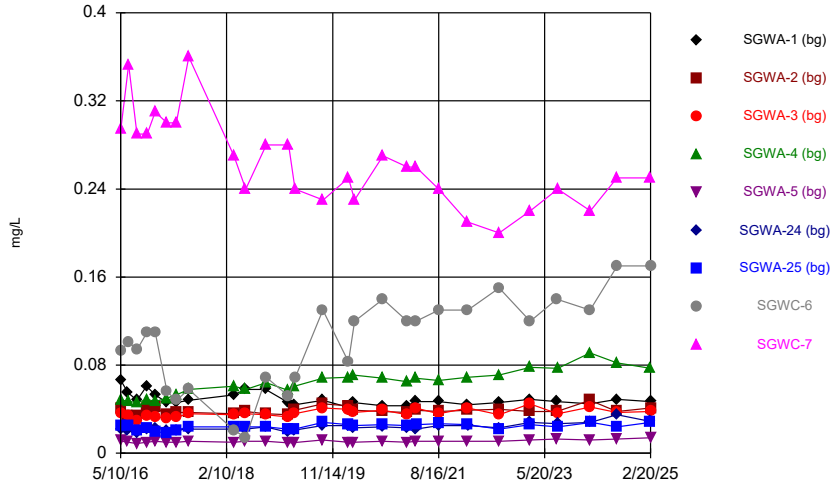
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Plant Scherer Client: Southern Company Data: Scherer AP

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Time Series

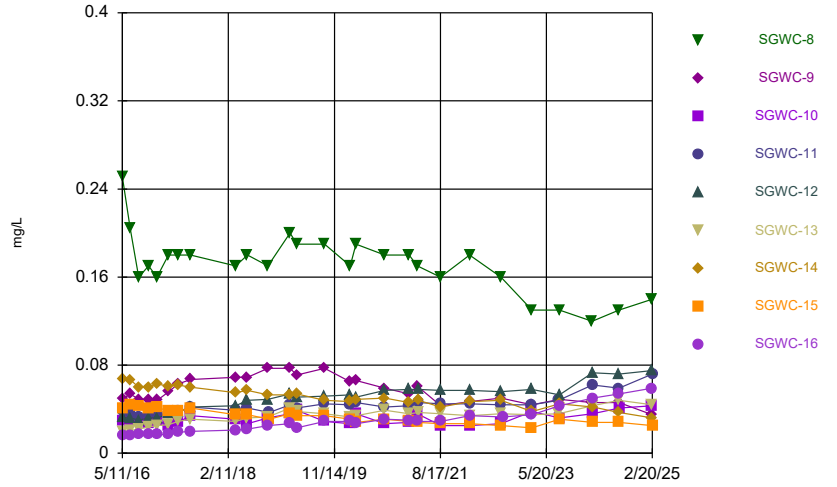


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Plant Scherer Client: Southern Company Data: Scherer AP

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Time Series

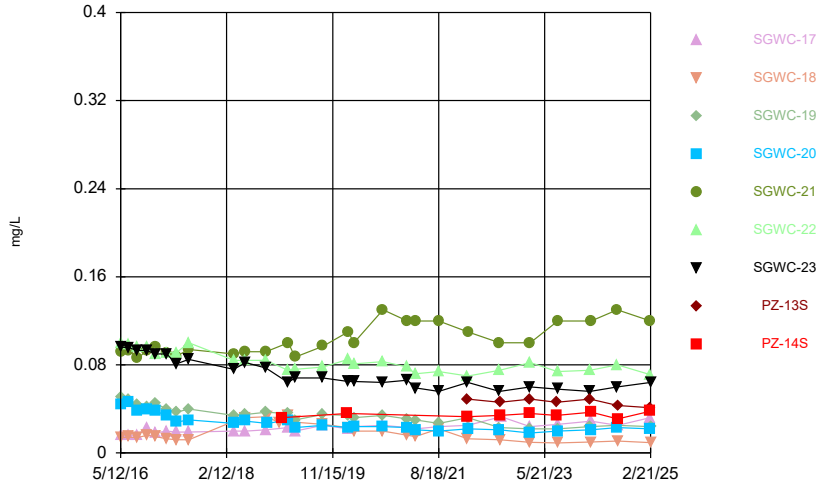


Constituent: Barium Analysis Run 5/12/2025 10:39 AM

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Time Series

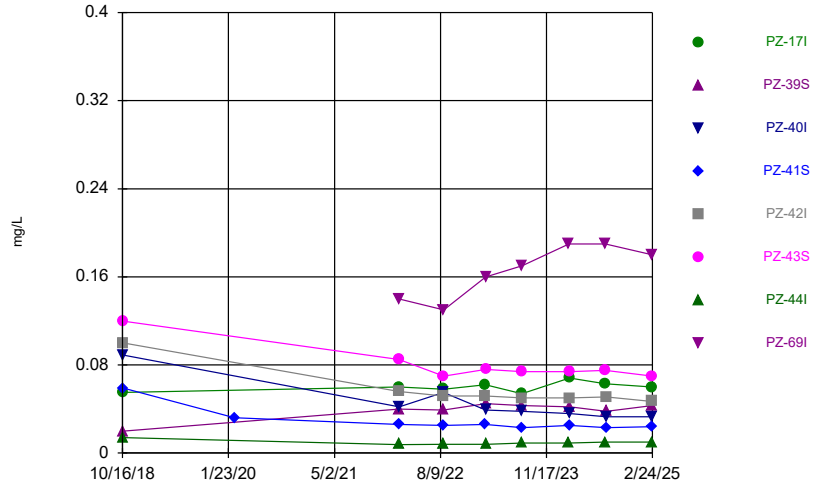


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Time Series

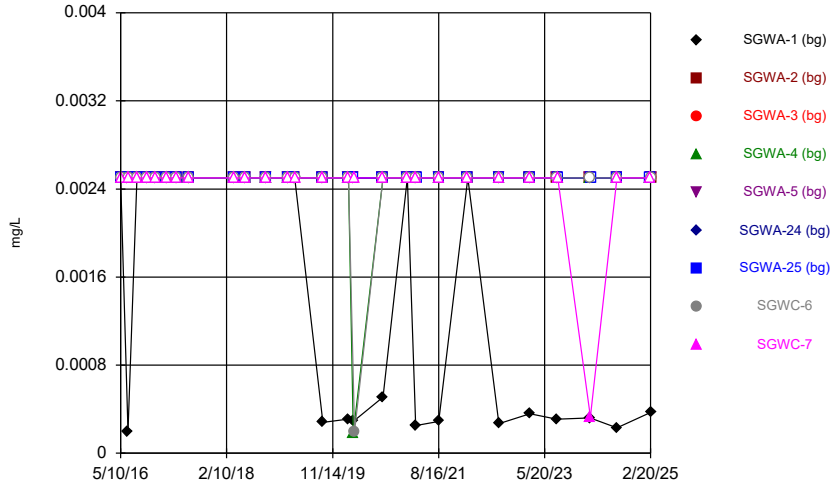


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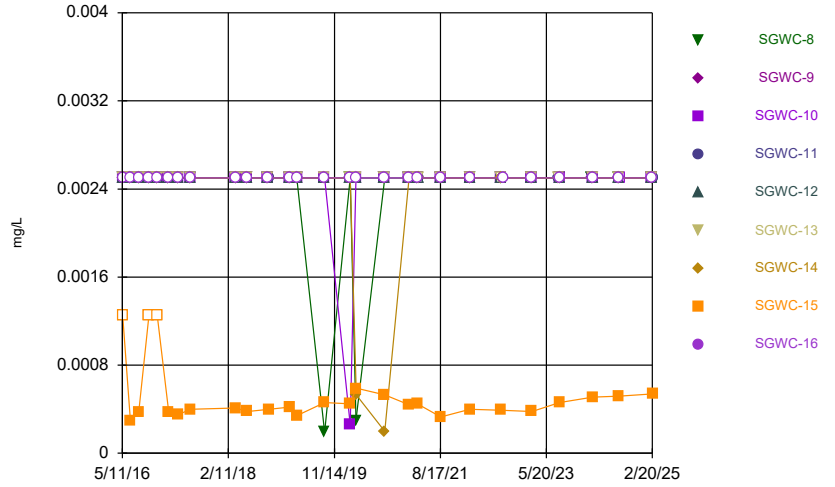
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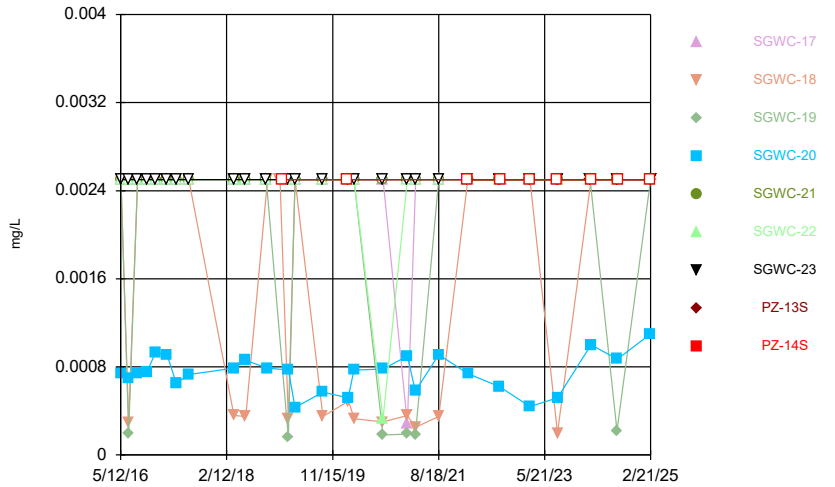
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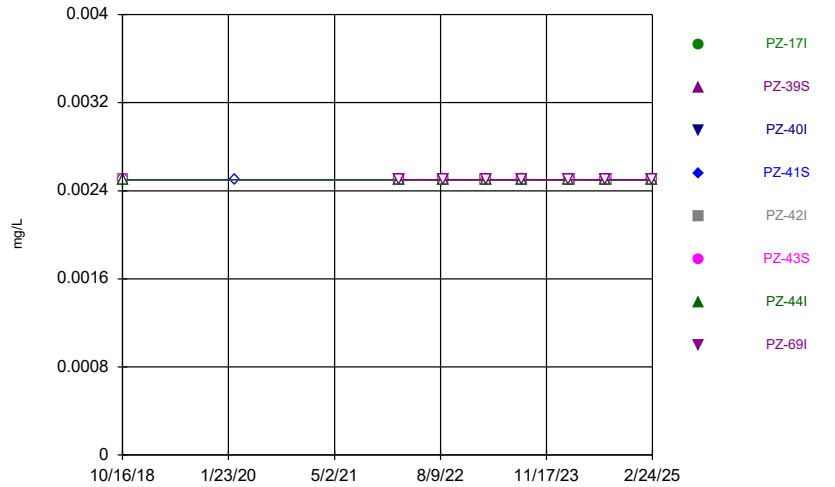
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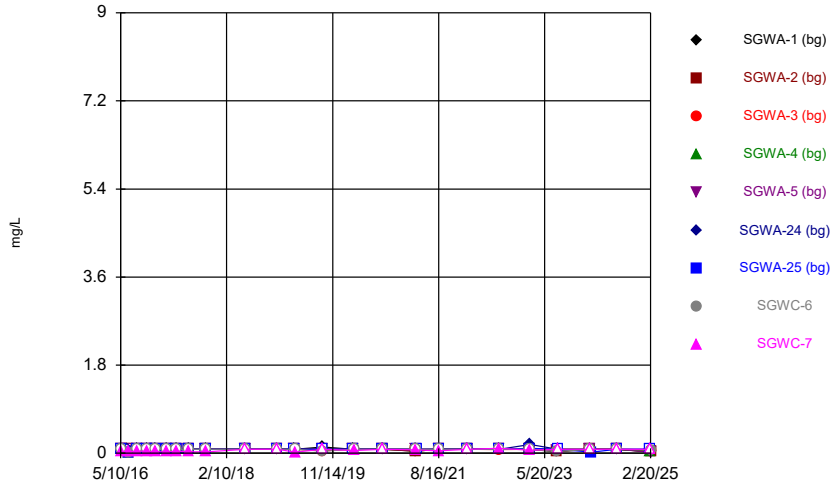
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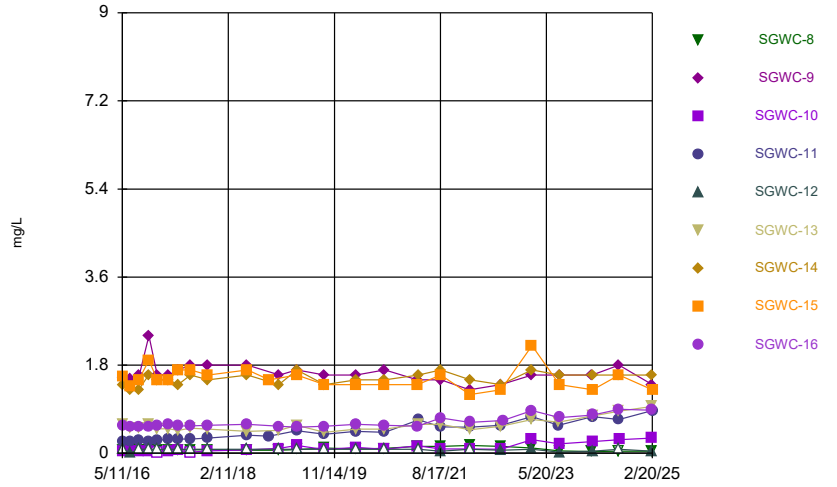
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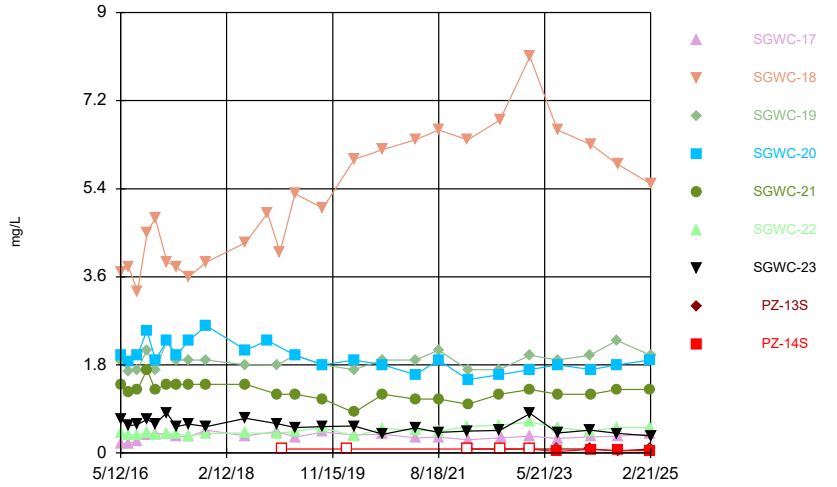
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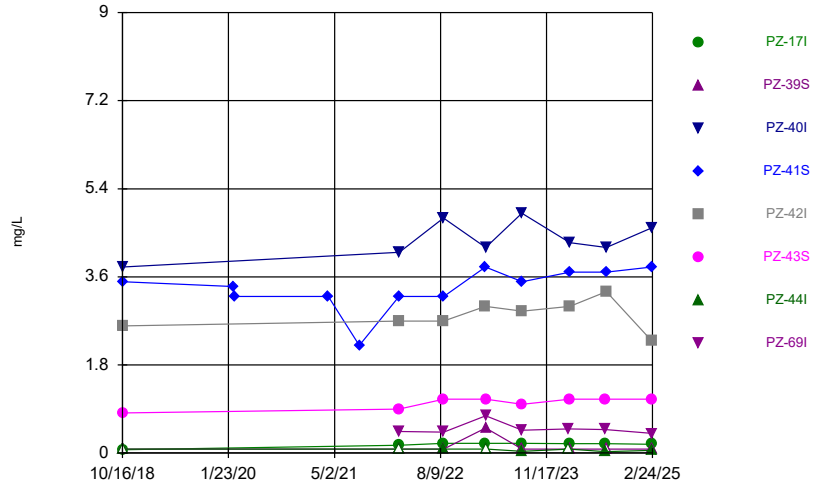
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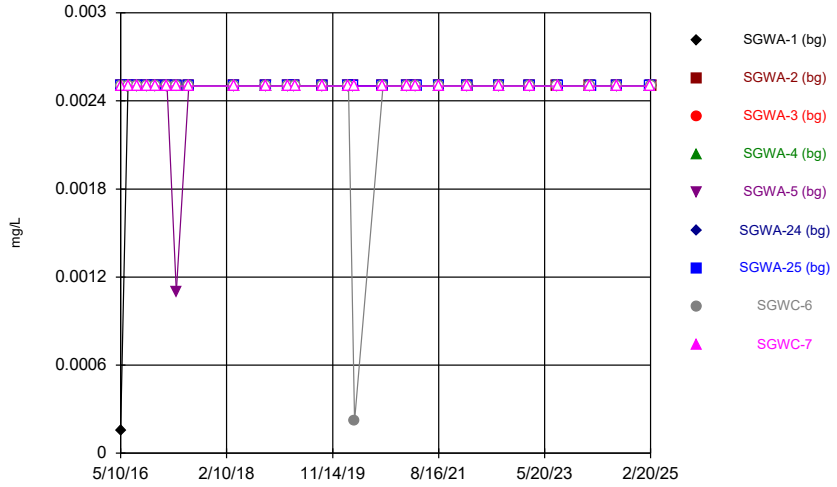
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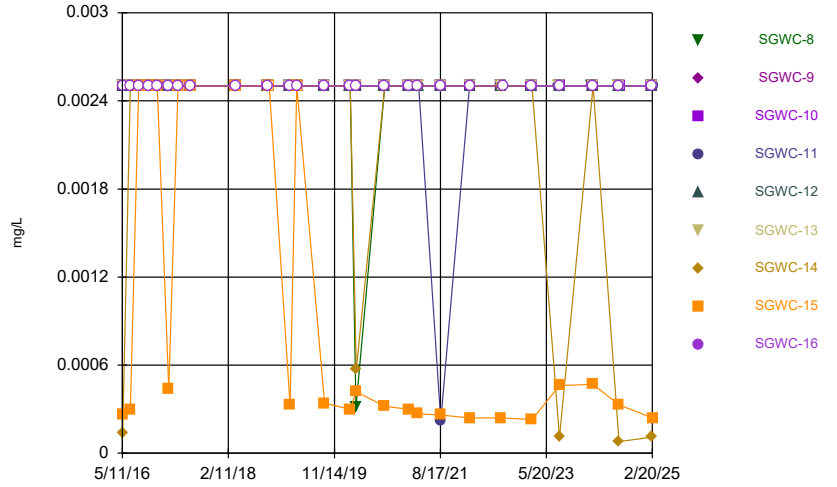
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Constituent: Cadmium Analysis Run 5/12/2025 10:39 AM
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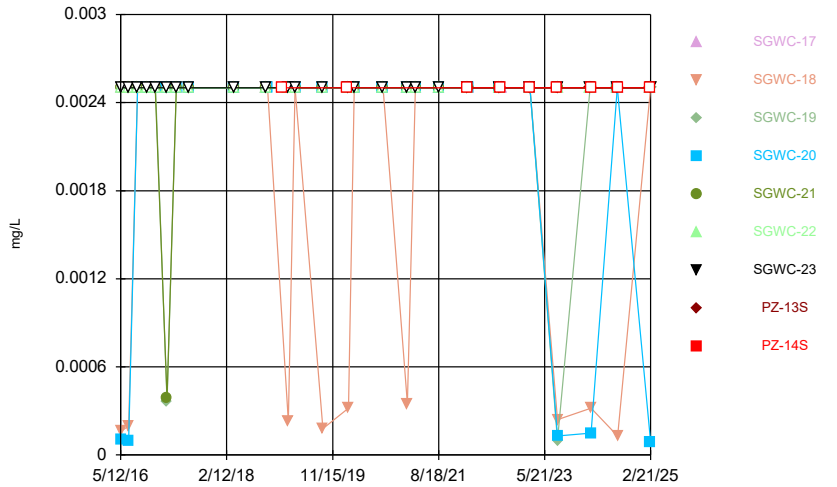
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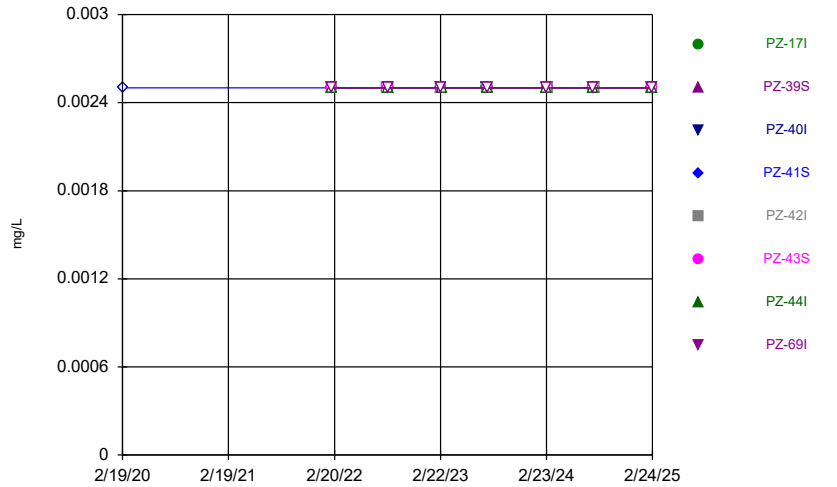
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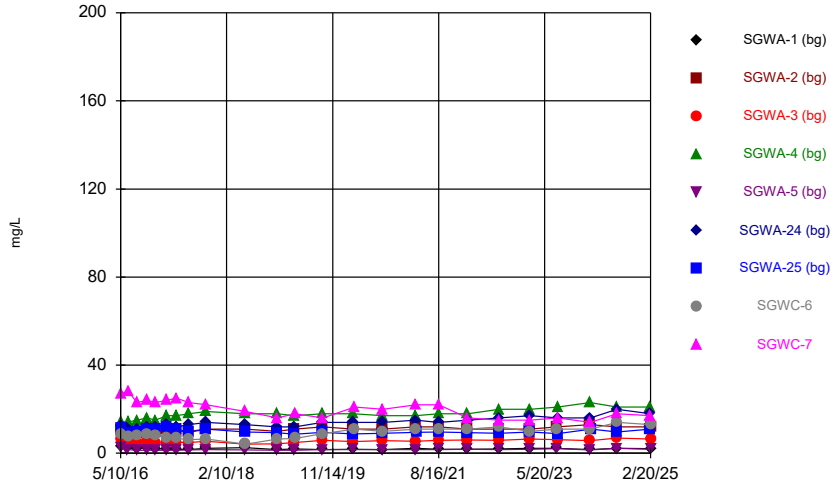
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Time Series

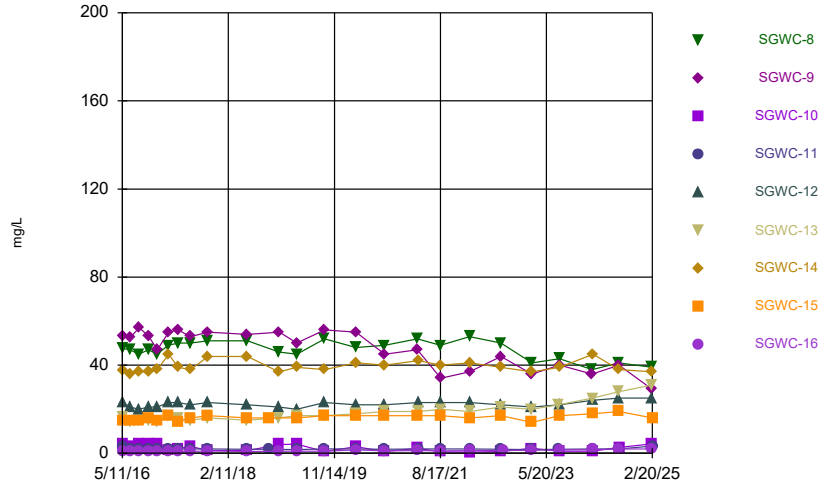


Constituent: Calcium Analysis Run 5/12/2025 10:39 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Time Series

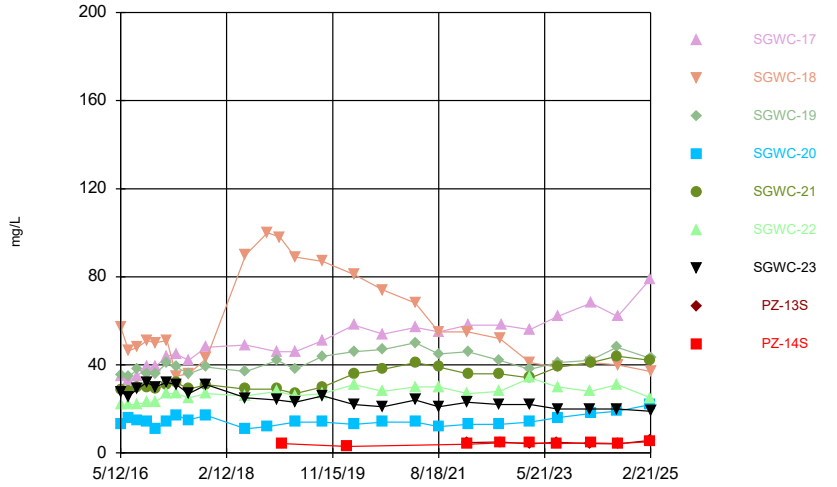


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Time Series

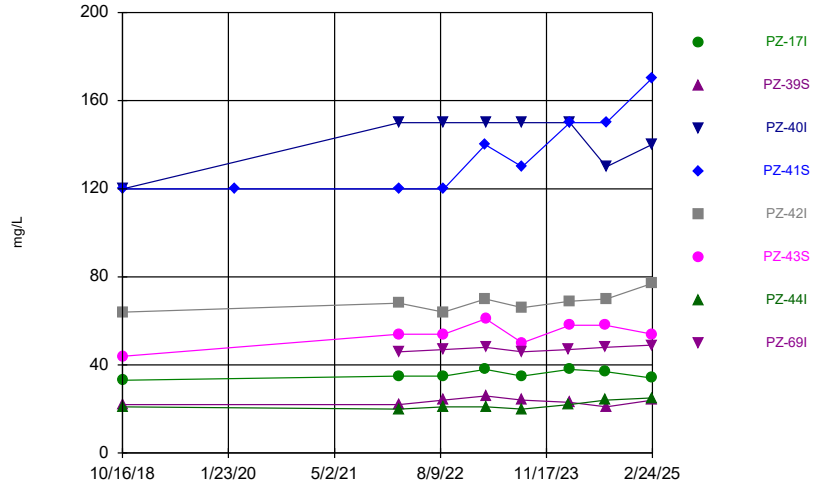


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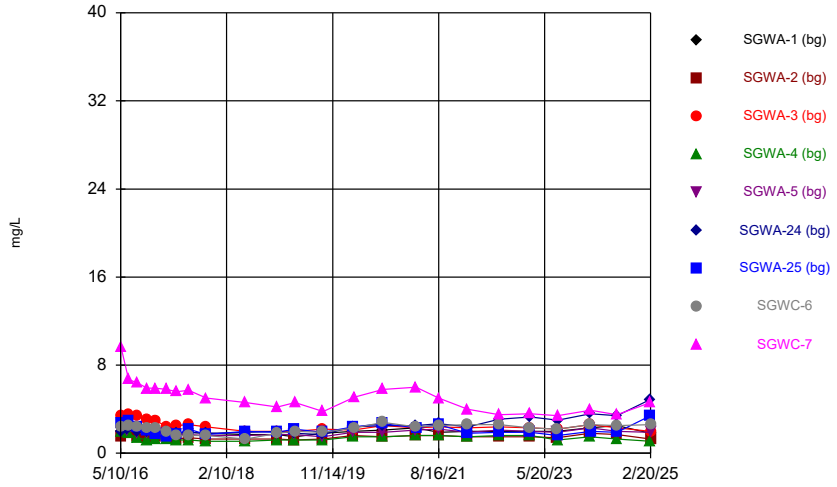


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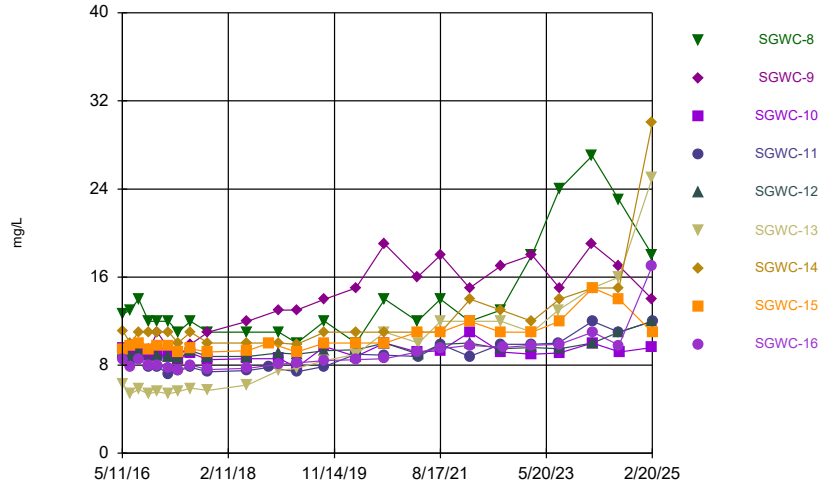


Constituent: Chloride Analysis Run 5/12/2025 10:39 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Time Series

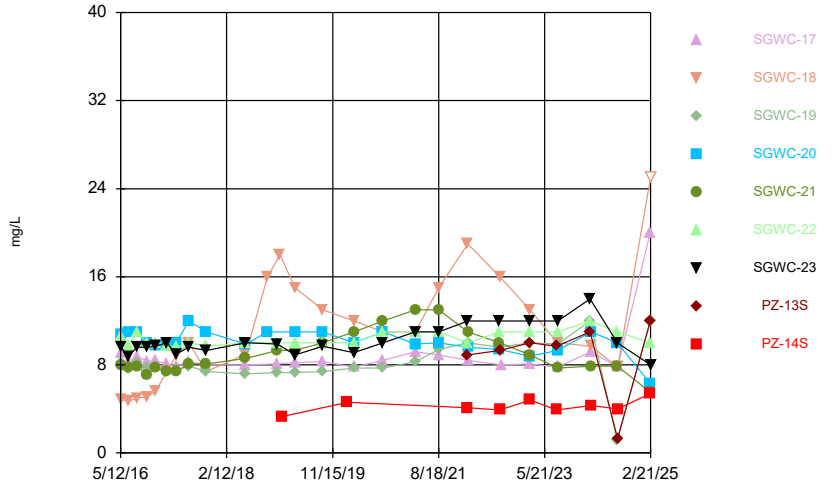


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Plant Scherer Client: Southern Company Data: Scherer AP

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Time Series

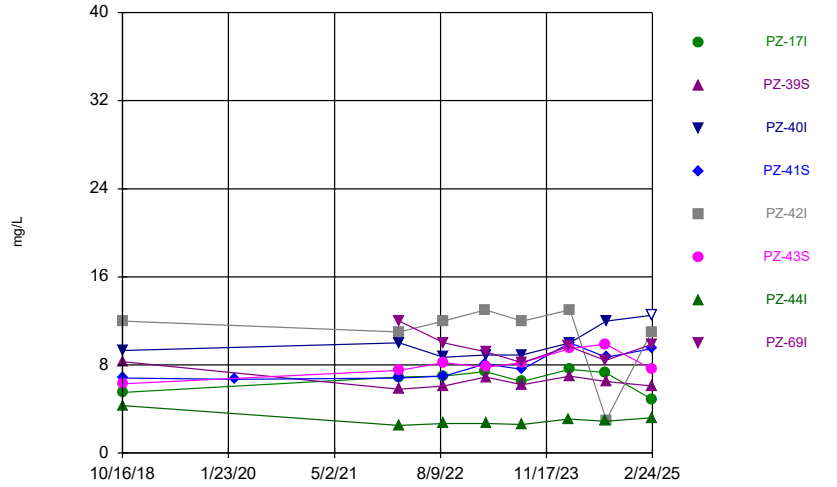


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Time Series

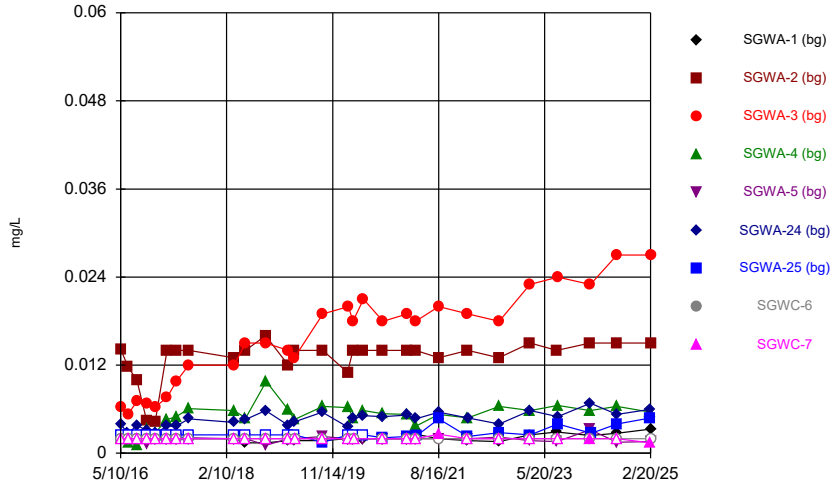


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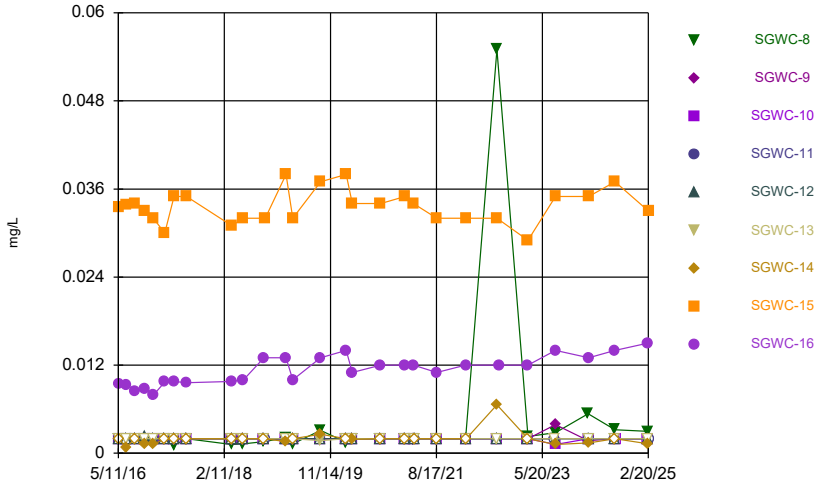
Time Series



Constituent: Chromium Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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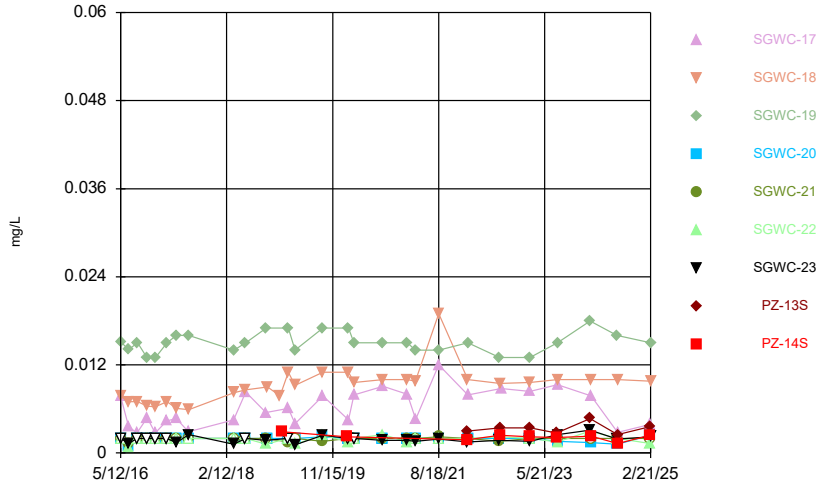
Time Series



Constituent: Chromium Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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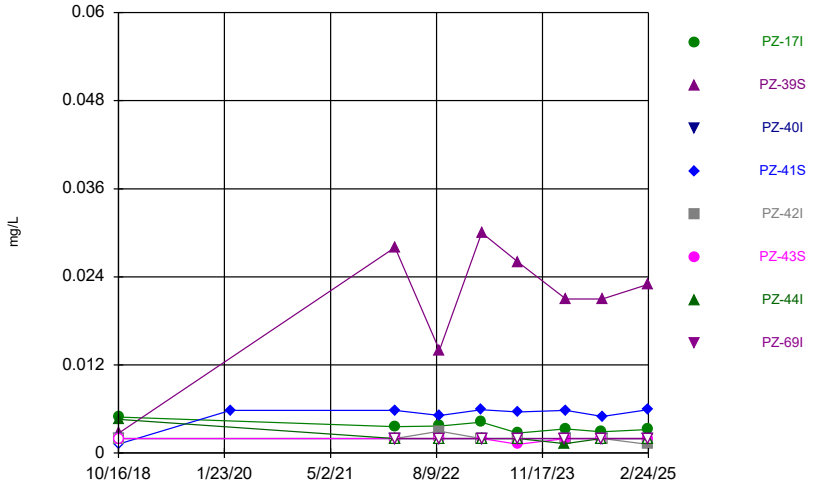
Time Series



Constituent: Chromium Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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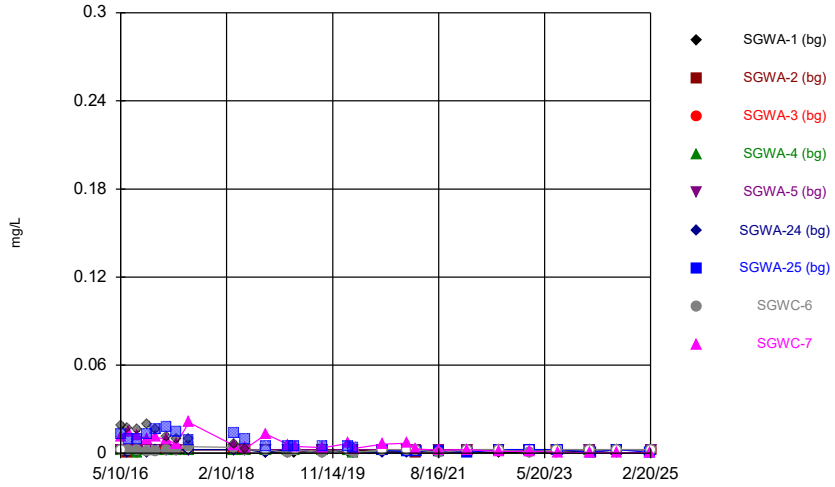
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Constituent: Chromium Analysis Run 5/12/2025 10:39 AM
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Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

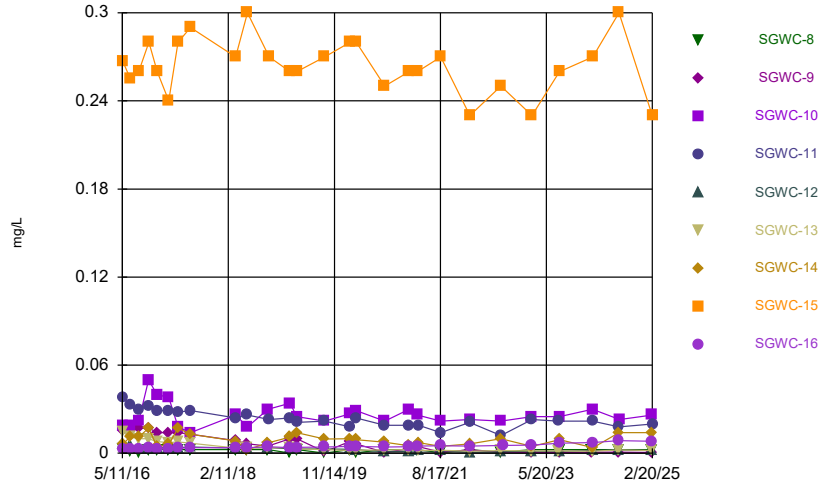
Time Series



Constituent: Cobalt Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

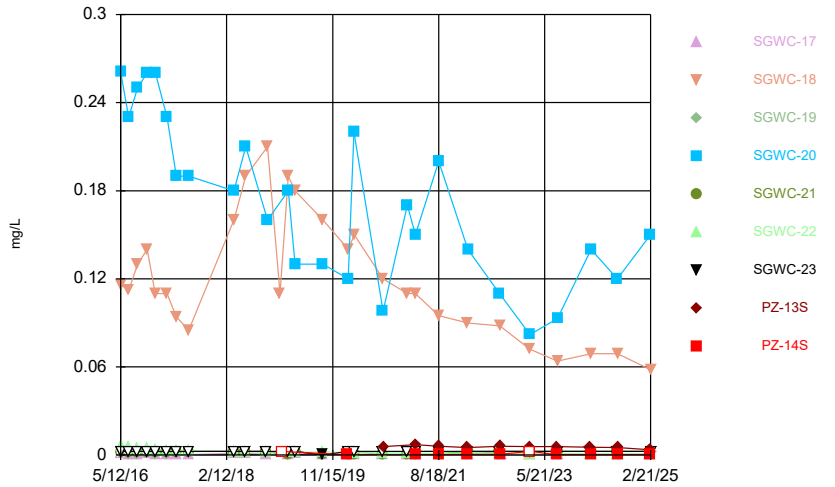
Time Series



Constituent: Cobalt Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

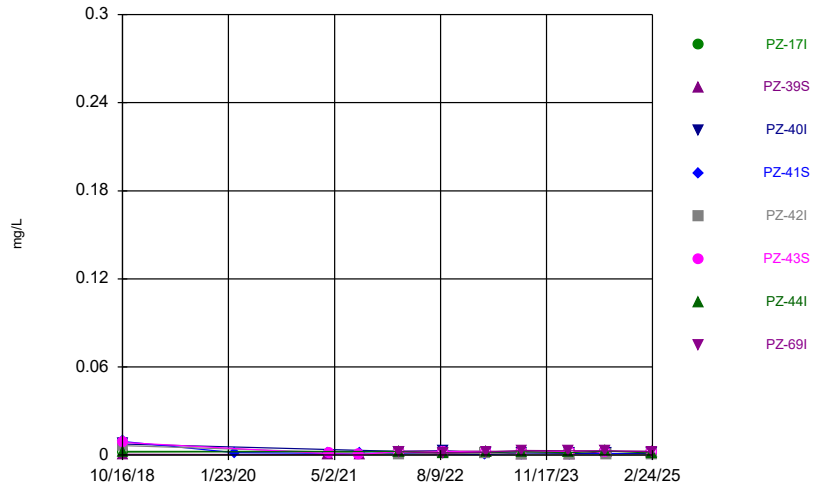
Time Series



Constituent: Cobalt Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

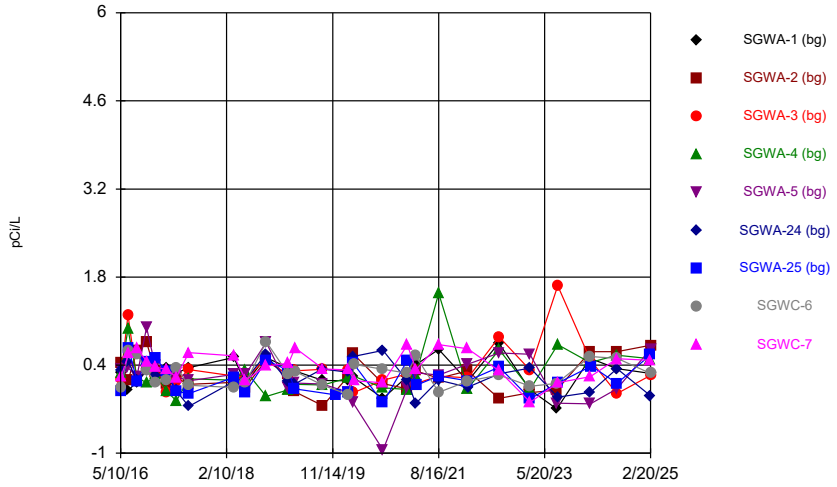
Time Series



Constituent: Cobalt Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

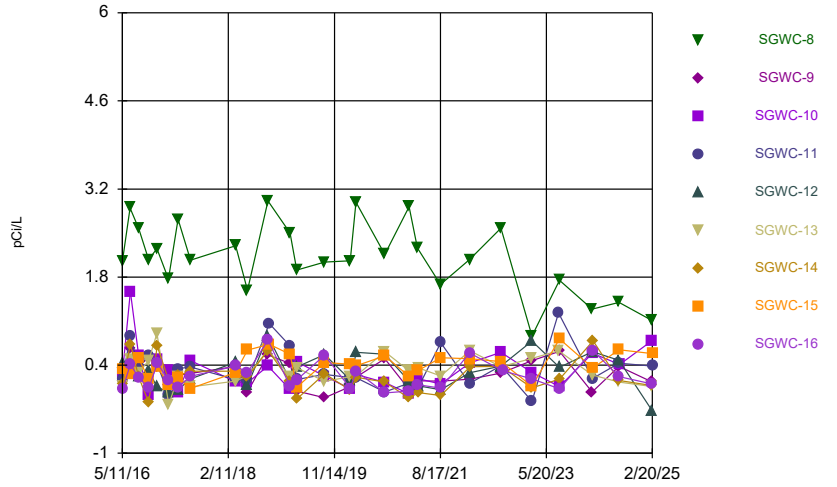
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

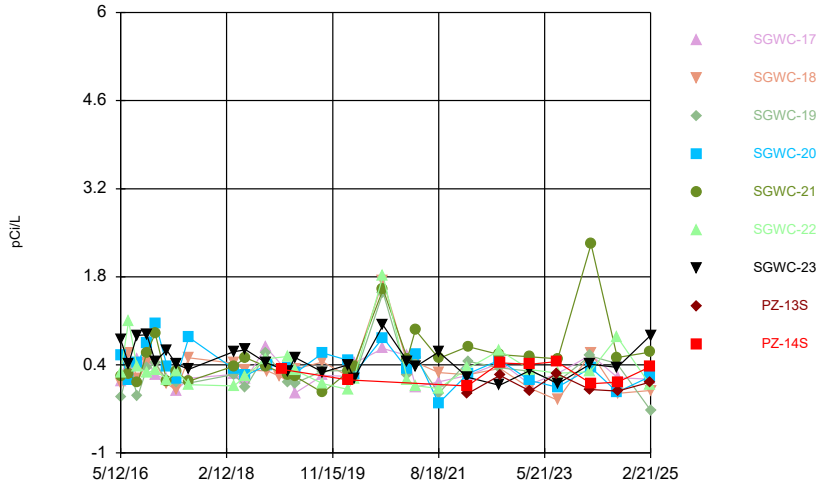
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

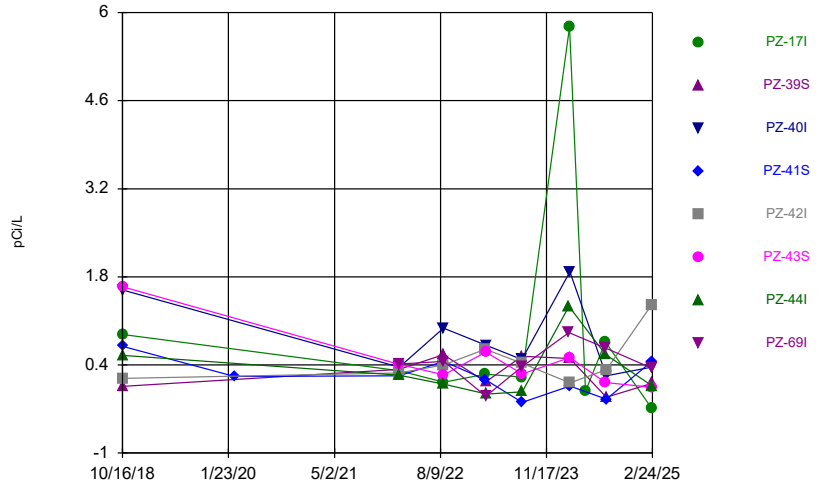
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

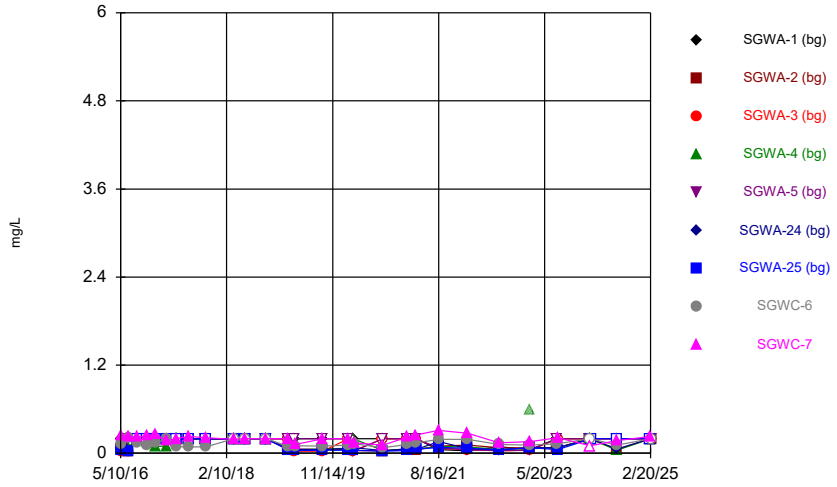
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

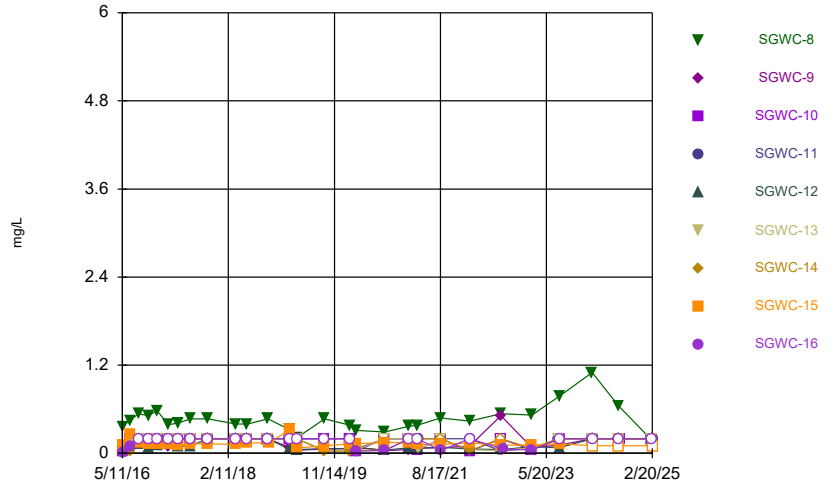
Time Series



Constituent: Fluoride Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

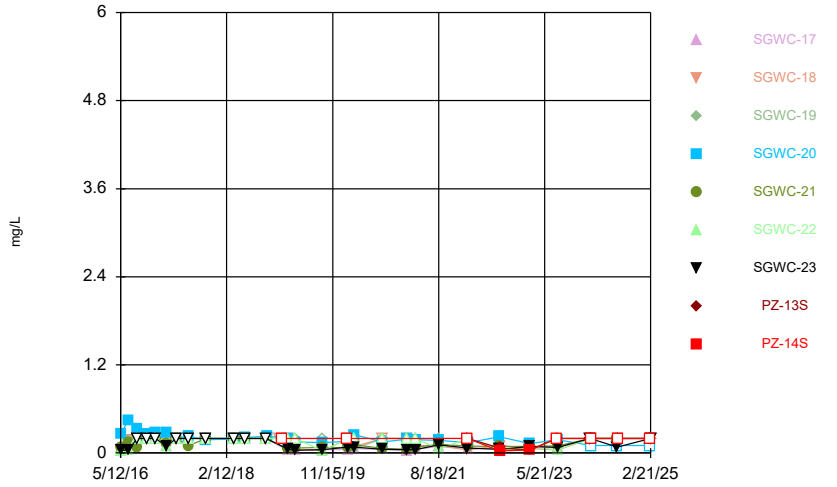
Time Series



Constituent: Fluoride Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

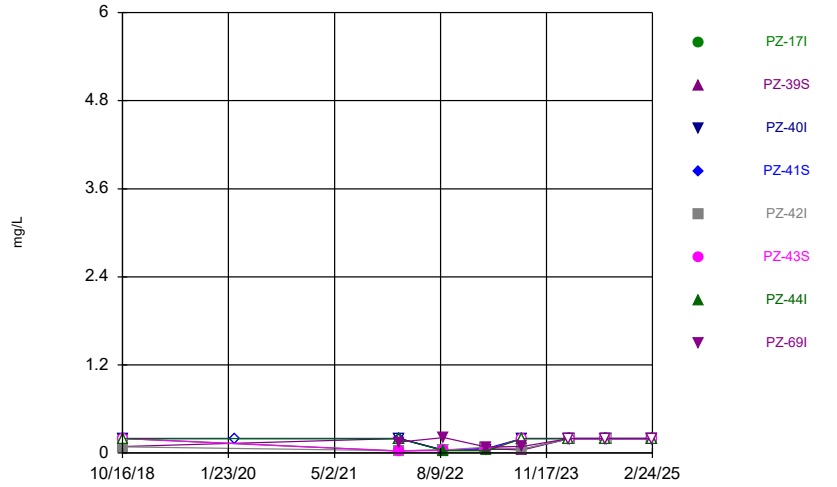
Time Series



Constituent: Fluoride Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

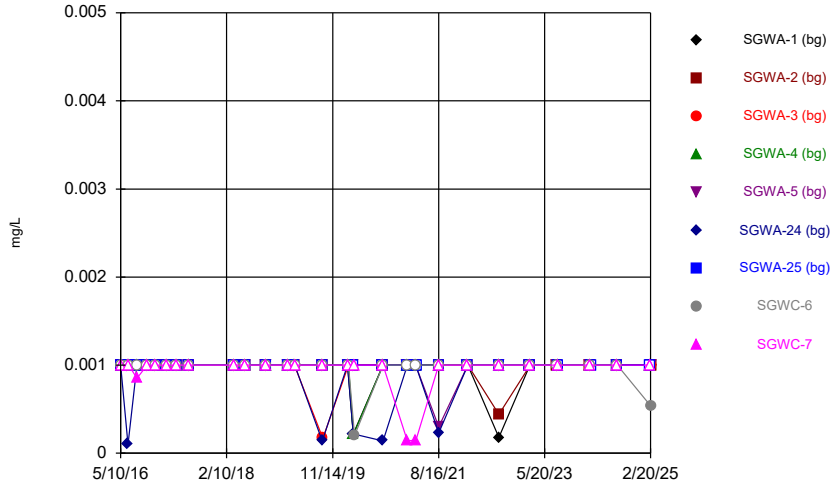
Time Series



Constituent: Fluoride Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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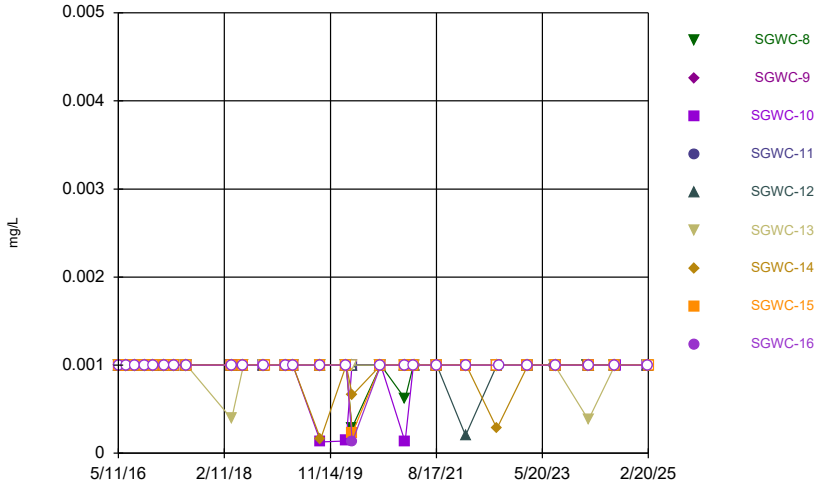
Time Series



Constituent: Lead Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

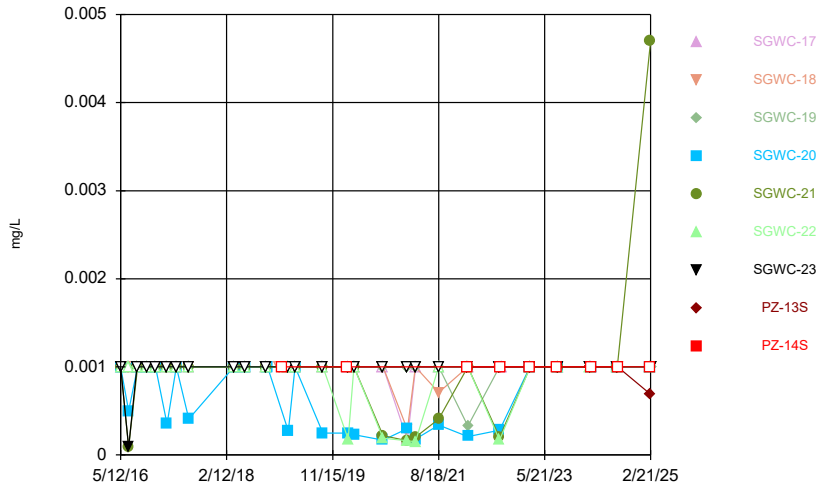
Time Series



Constituent: Lead Analysis Run 5/12/2025 10:39 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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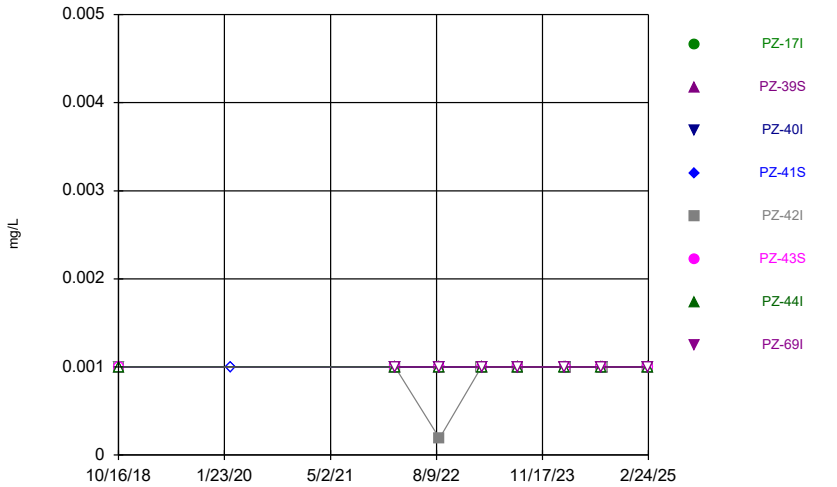
Time Series



Constituent: Lead Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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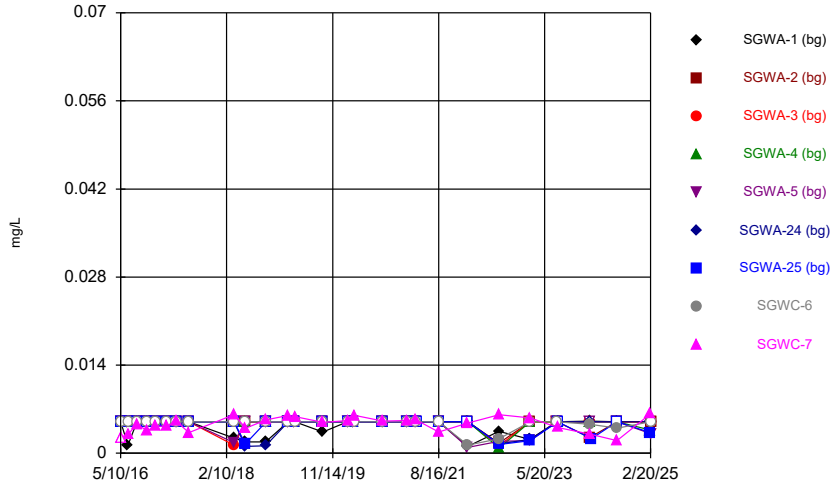
Time Series



Constituent: Lead Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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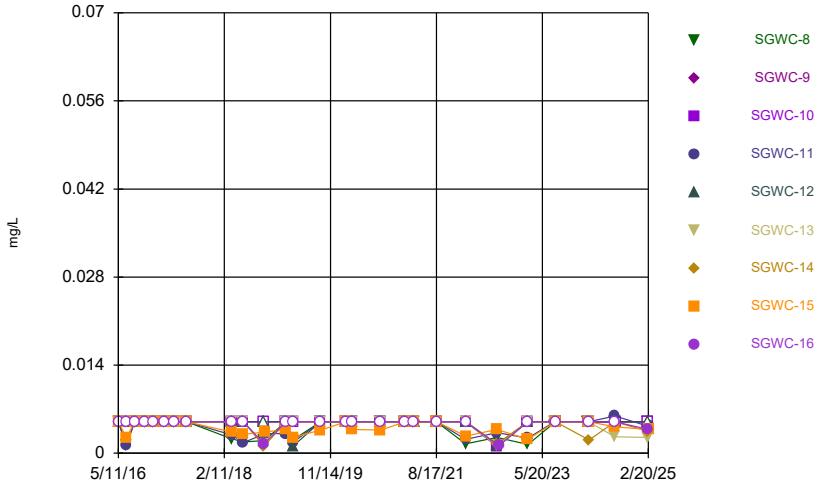
Time Series



Constituent: Lithium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

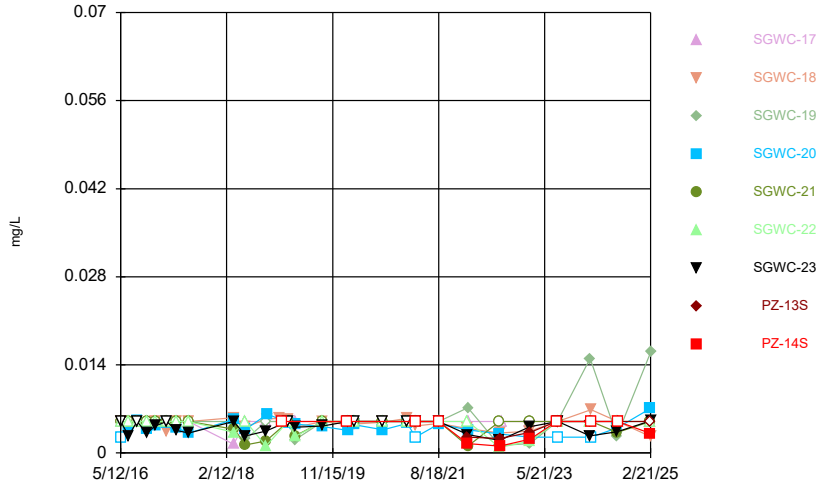
Time Series



Constituent: Lithium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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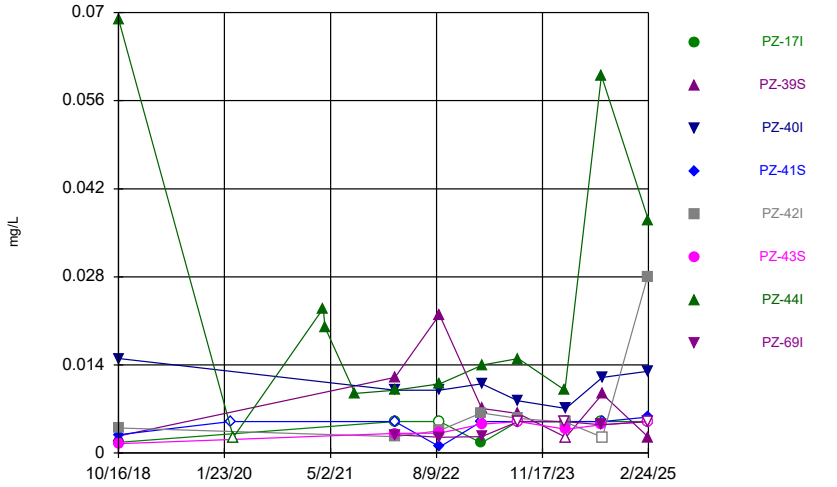
Time Series



Constituent: Lithium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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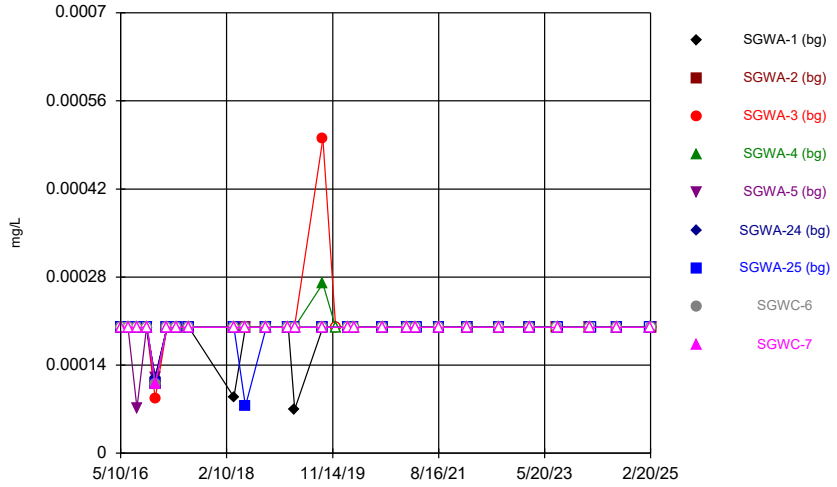
Time Series



Constituent: Lithium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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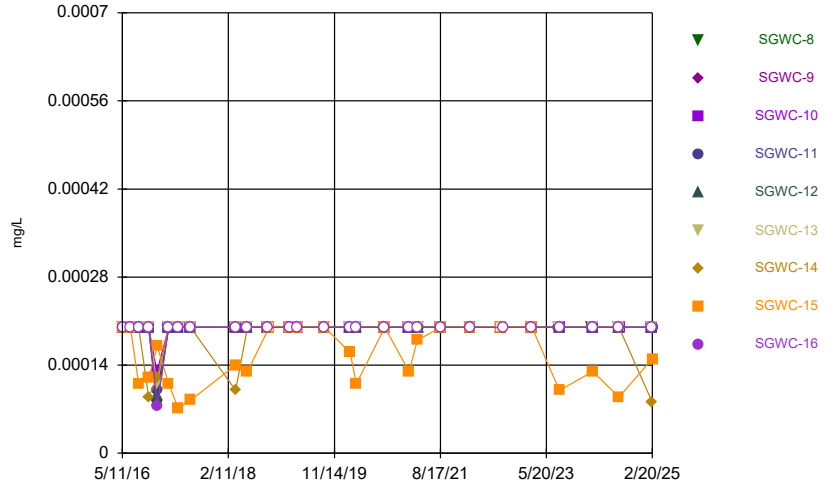
Time Series



Constituent: Mercury Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

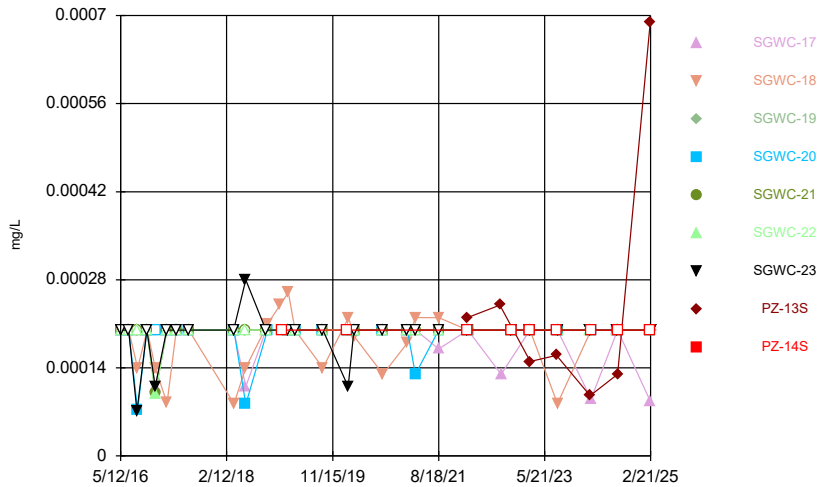
Time Series



Constituent: Mercury Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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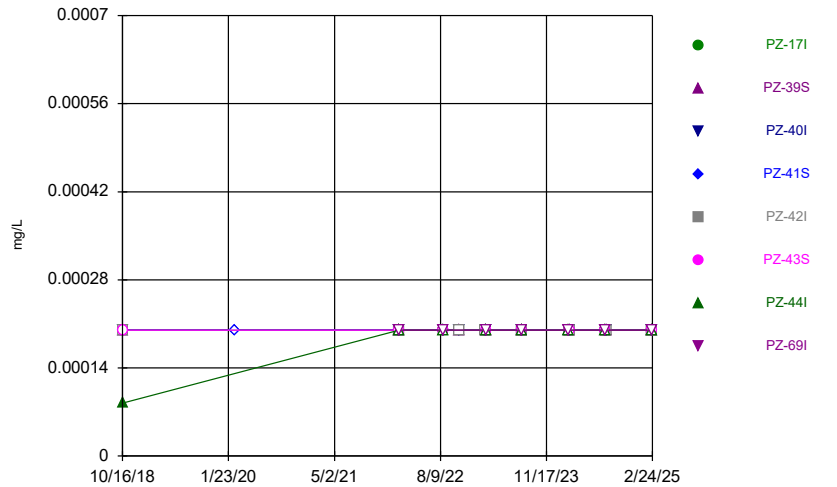
Time Series



Constituent: Mercury Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

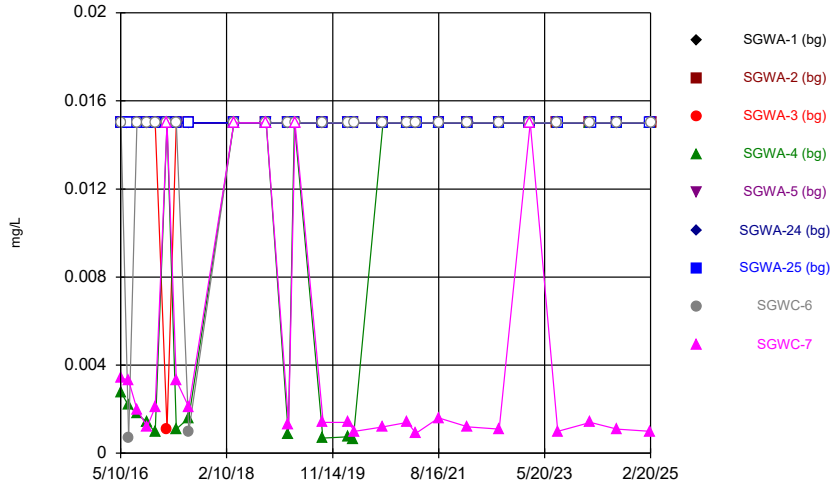
Time Series



Constituent: Mercury Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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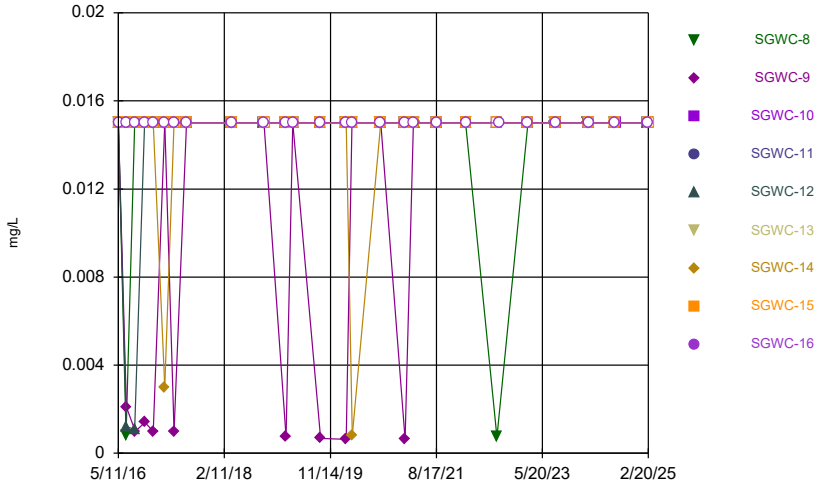
Time Series



Constituent: Molybdenum Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

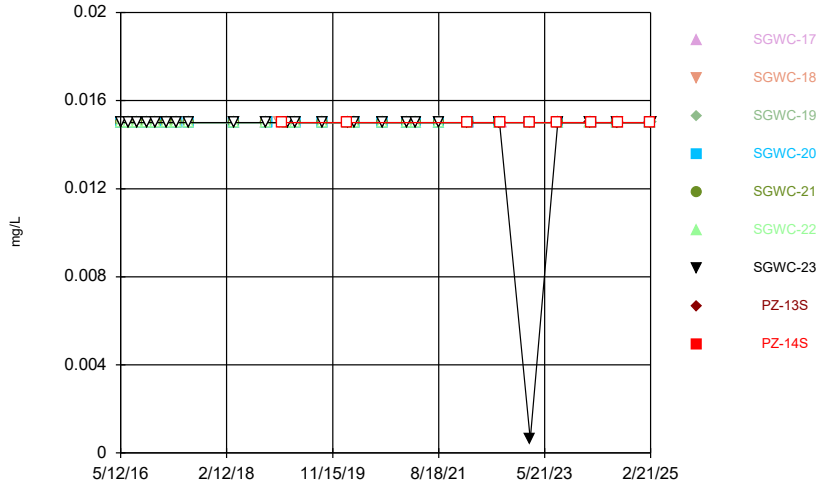
Time Series



Constituent: Molybdenum Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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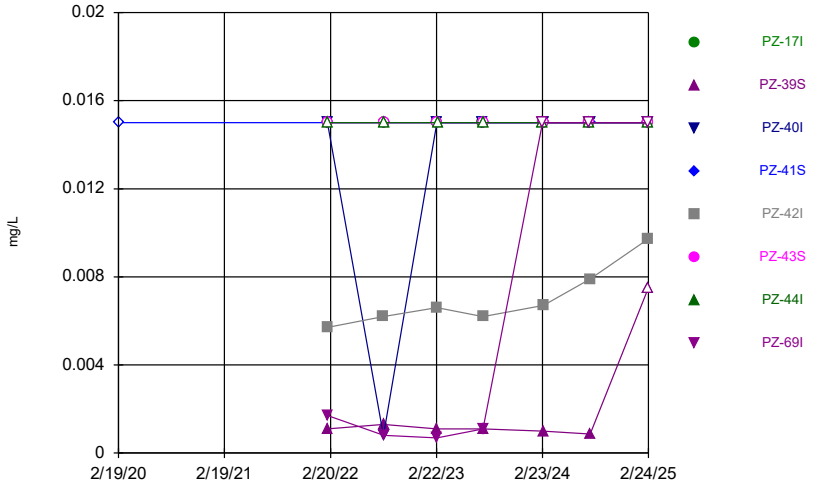
Time Series



Constituent: Molybdenum Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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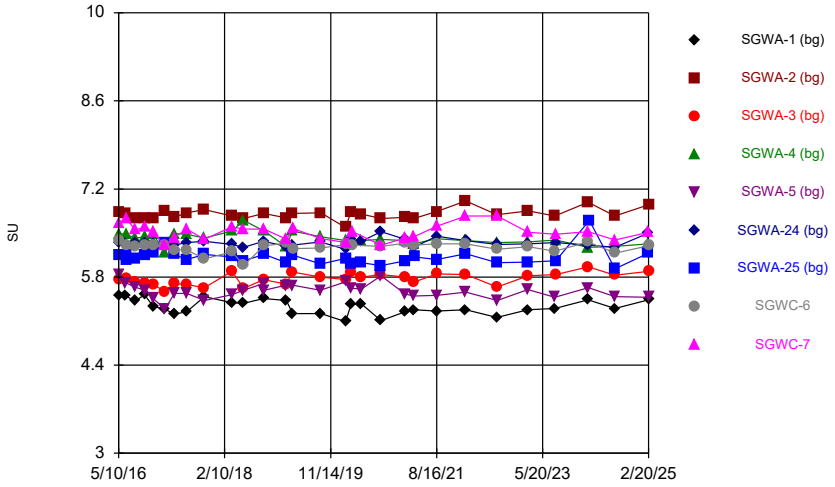
Time Series



Constituent: Molybdenum Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

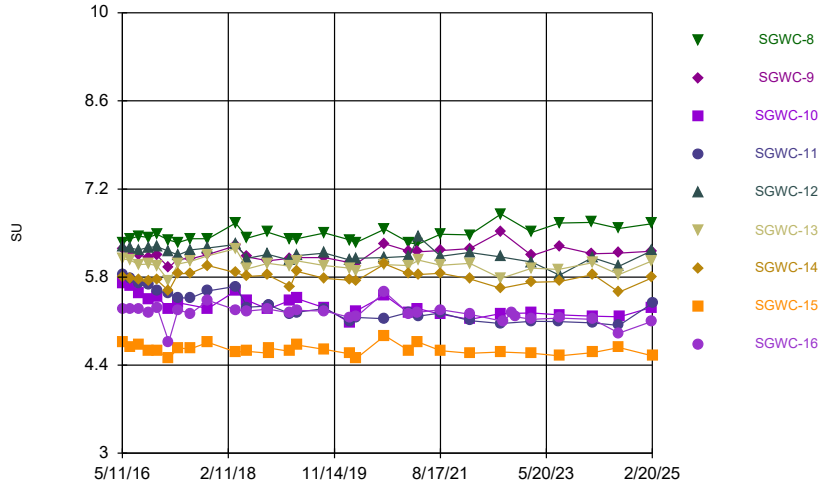
Time Series



Constituent: pH, Field Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

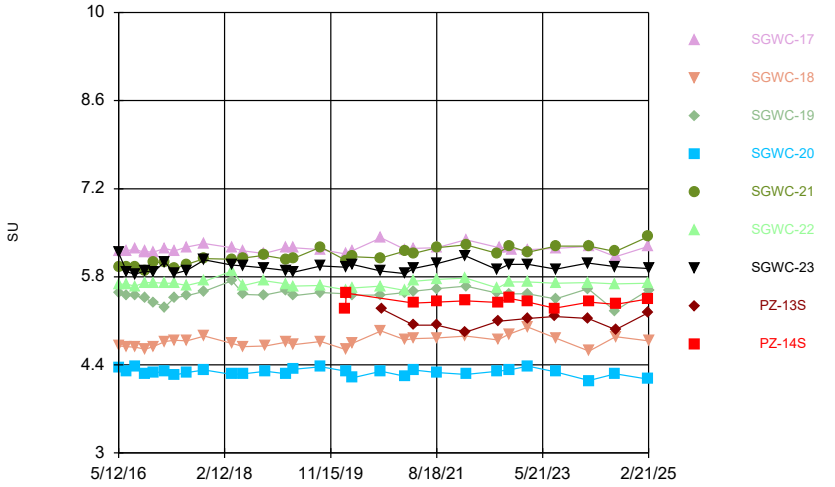
Time Series



Constituent: pH, Field Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

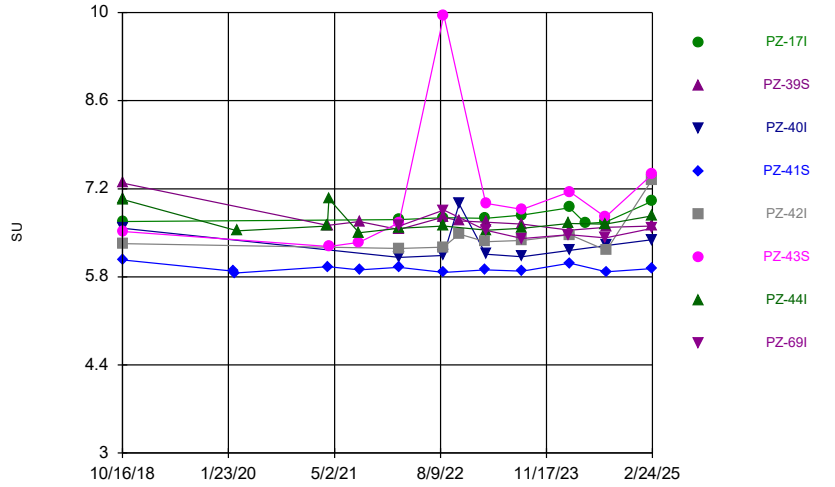
Time Series



Constituent: pH, Field Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

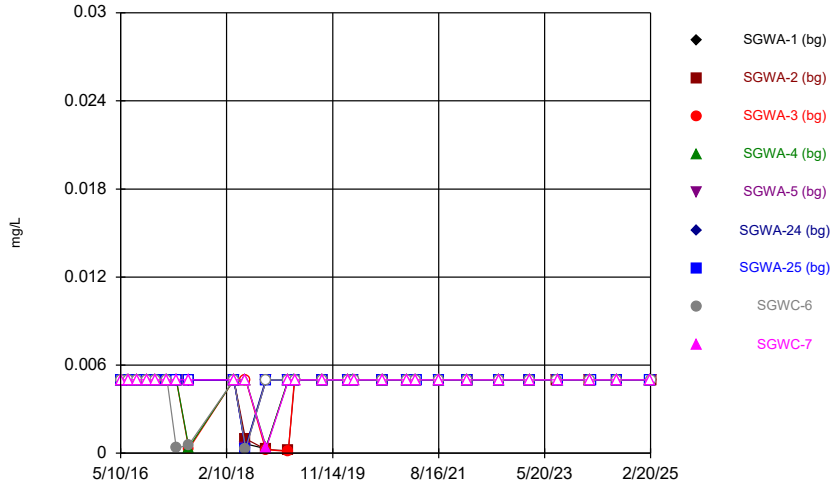
Time Series



Constituent: pH, Field Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

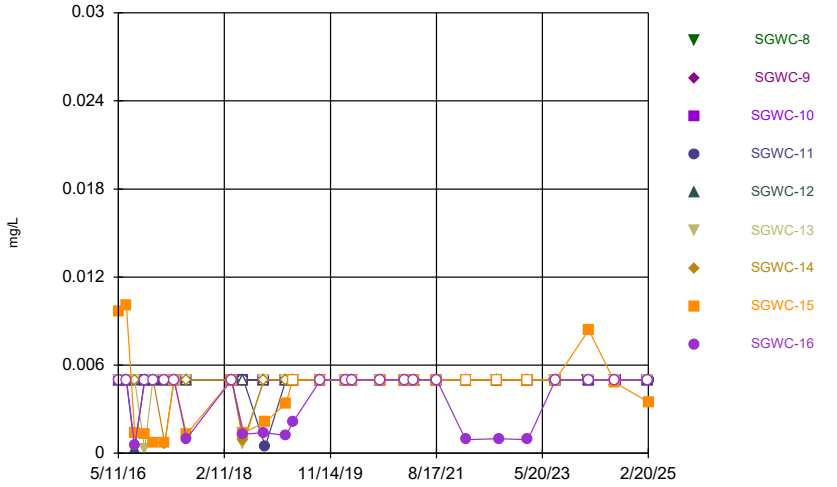
Time Series



Constituent: Selenium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

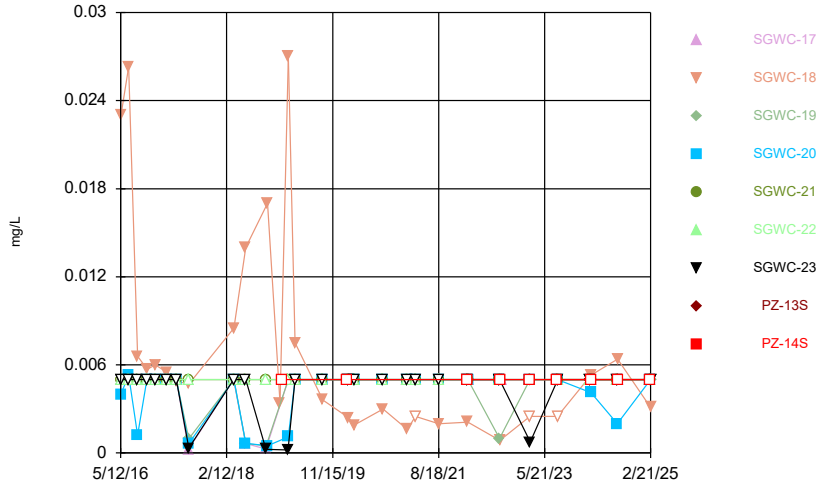
Time Series



Constituent: Selenium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
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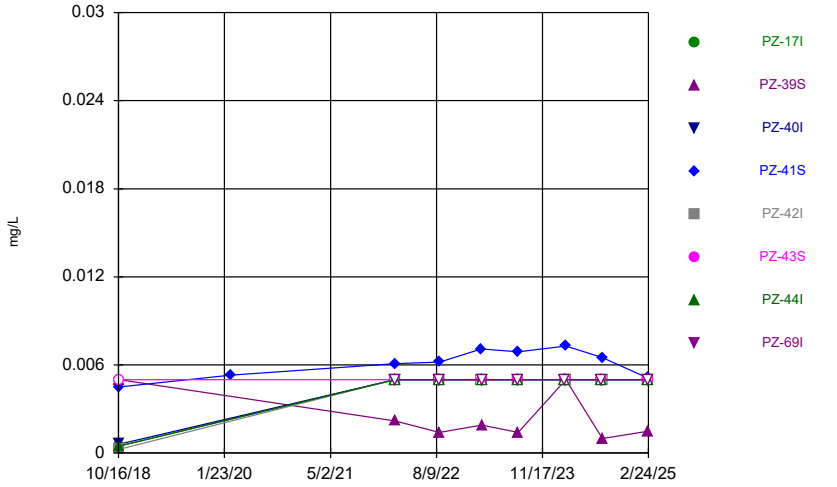
Time Series



Constituent: Selenium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

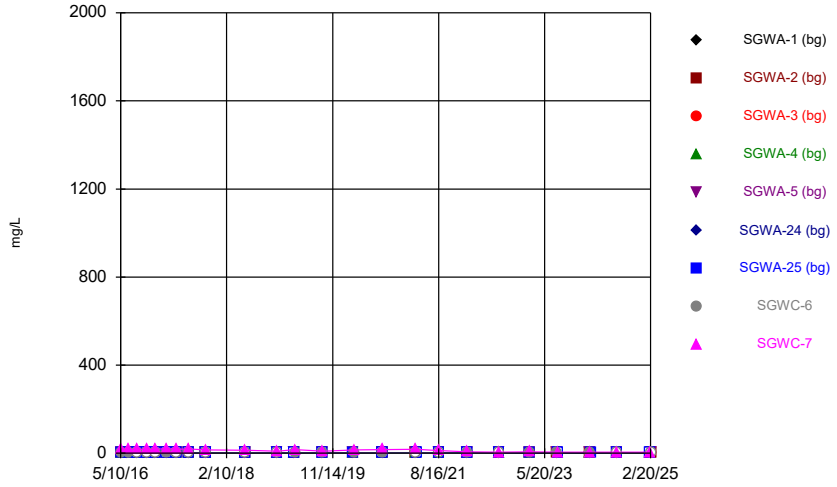
Time Series



Constituent: Selenium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

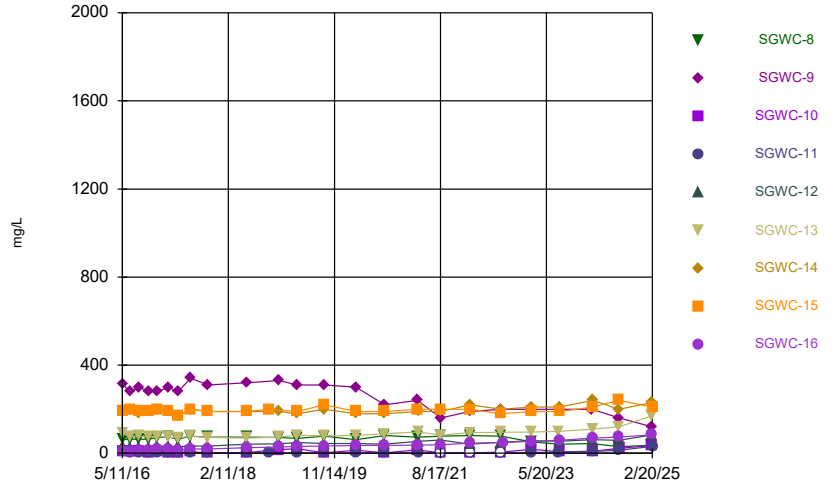
Time Series



Constituent: Sulfate Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

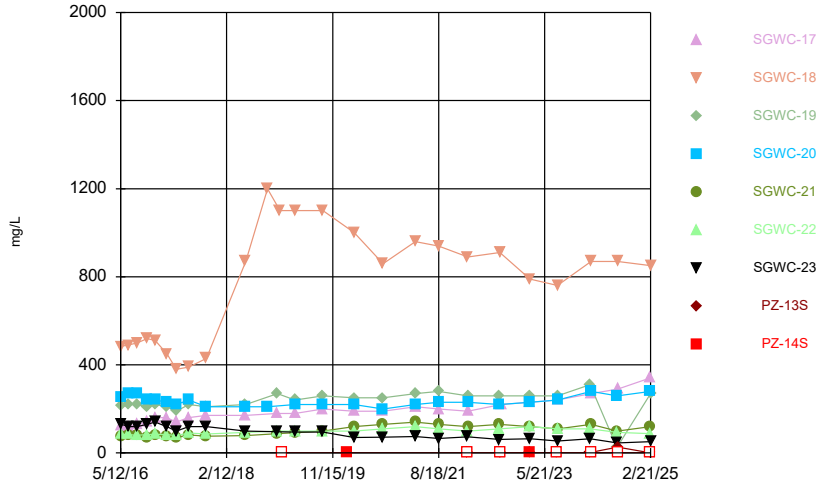
Time Series



Constituent: Sulfate Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

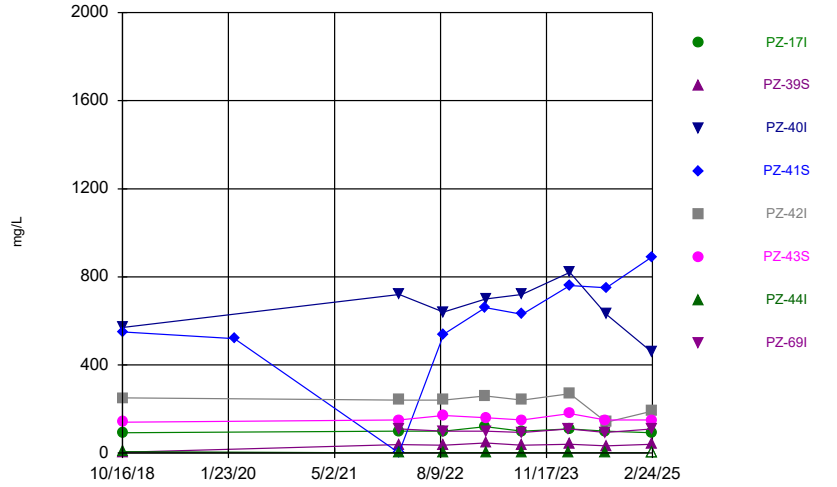
Time Series



Constituent: Sulfate Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

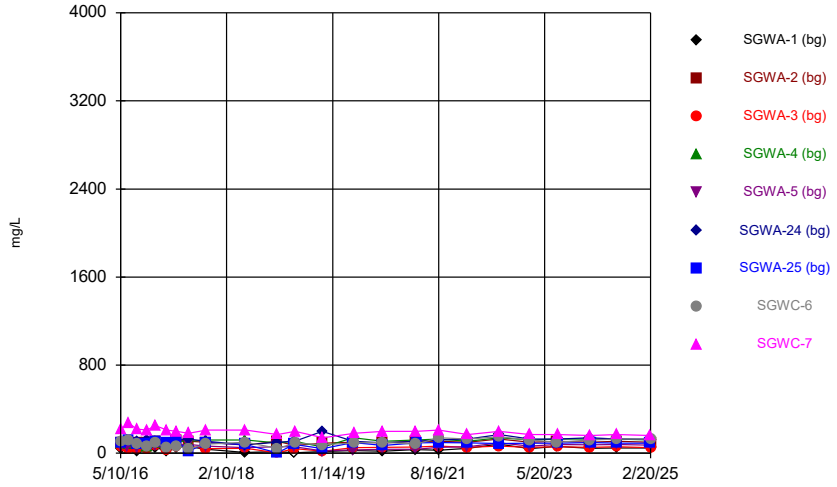
Time Series



Constituent: Sulfate Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

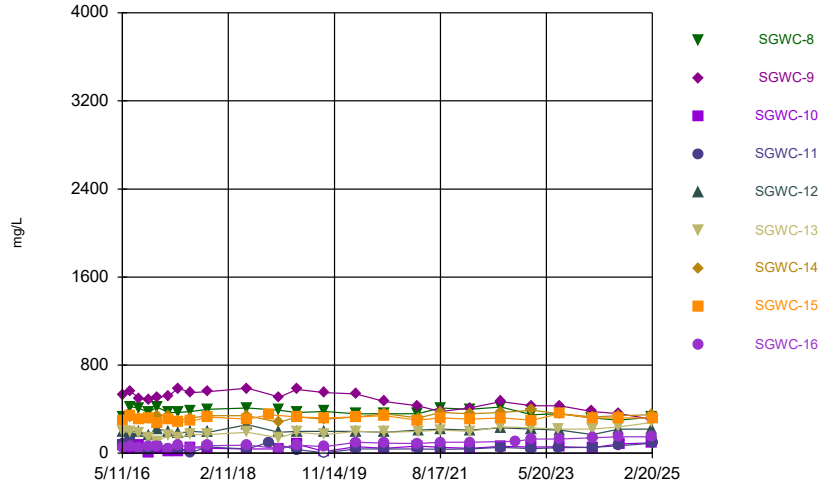
Time Series



Constituent: TDS Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

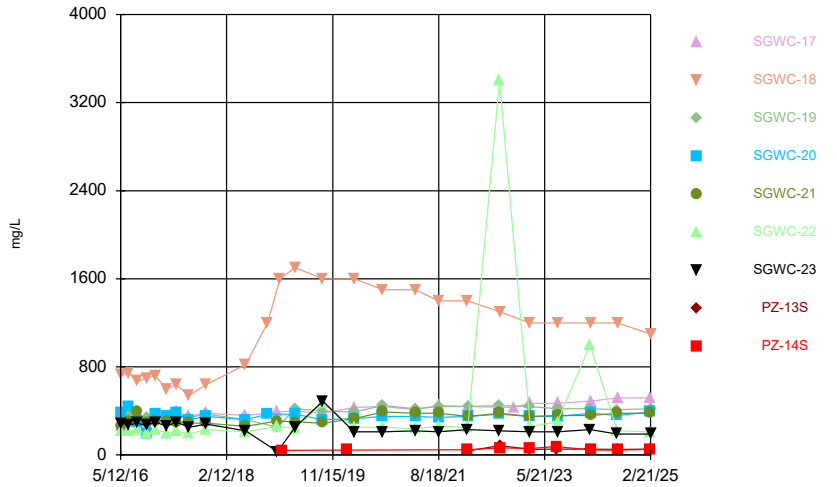
Time Series



Constituent: TDS Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

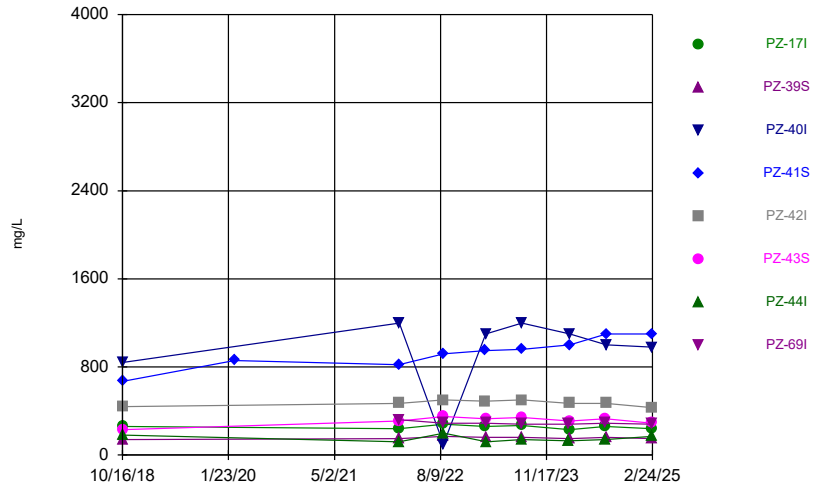
Time Series



Constituent: TDS Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

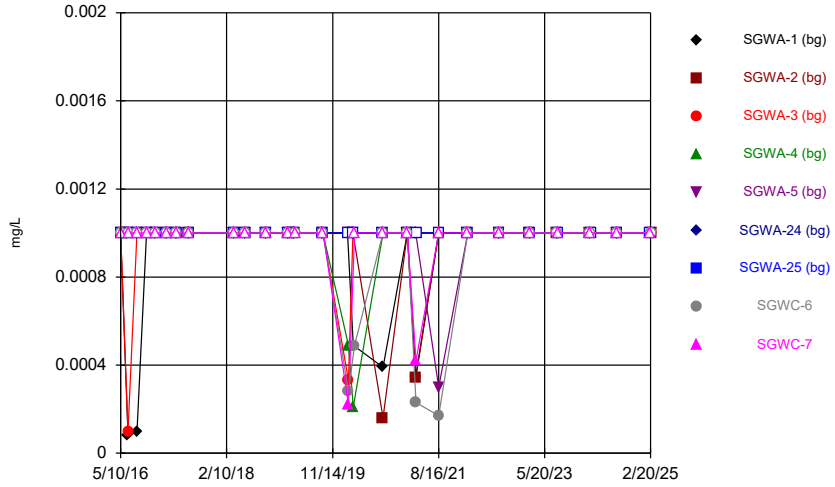
Time Series



Constituent: TDS Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

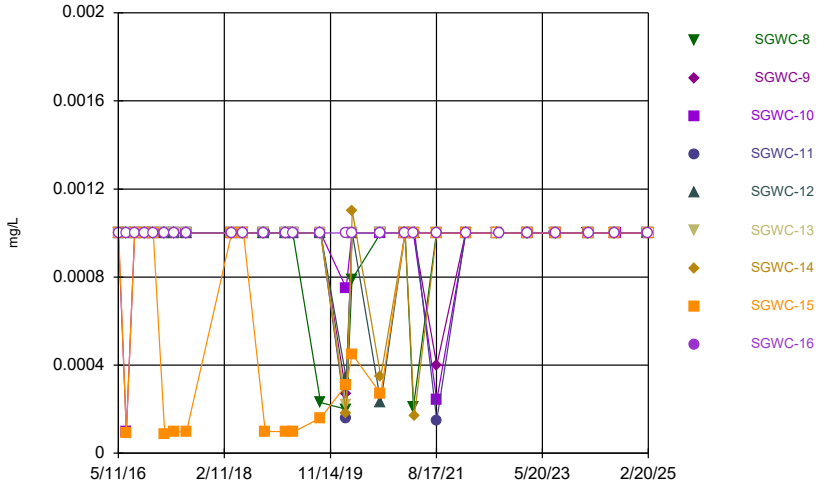
Time Series



Constituent: Thallium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

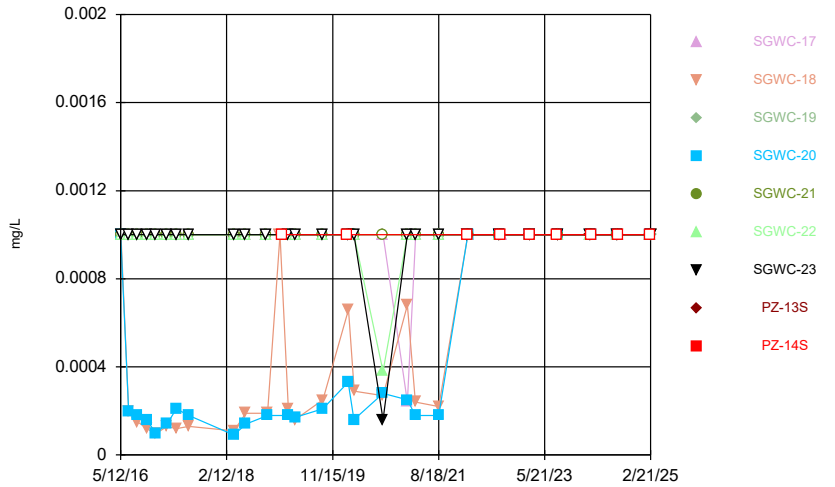
Time Series



Constituent: Thallium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

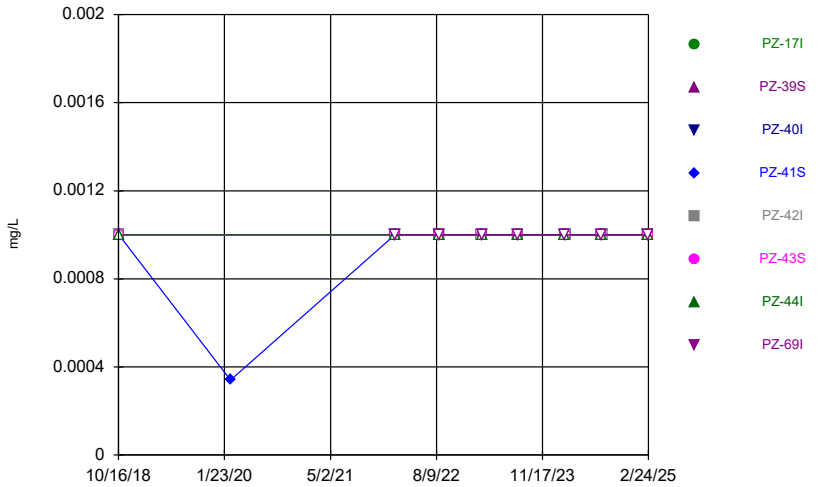
Time Series



Constituent: Thallium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 5/12/2025 10:40 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002		
5/11/2016				<0.002				<0.002	<0.002
6/23/2016	0.0004 (J)	<0.002			<0.002	0.0003 (J)			
6/24/2016			0.0021 (J)	0.0007 (J)					
6/27/2016							0.0003 (J)	<0.002	0.0004 (J)
8/16/2016	0.0012 (J)	<0.002	<0.002		<0.002	<0.002			
8/17/2016				<0.002			<0.002	<0.002	<0.002
10/13/2016	<0.002					<0.002			
10/14/2016		<0.002	<0.002		<0.002		<0.002		
10/17/2016				<0.002				<0.002	
10/18/2016									<0.002
12/5/2016						<0.002			
12/6/2016	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/14/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/10/2017						<0.002			
4/11/2017	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002		
4/12/2017								<0.002	<0.002
6/26/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
6/27/2017							<0.002	<0.002	<0.002
3/26/2018	<0.002	<0.002	<0.002			<0.002			
3/27/2018				<0.002	<0.002		<0.002	<0.002	<0.002
10/5/2018	<0.002	<0.002	<0.002			<0.002			
10/8/2018				<0.002	<0.002		<0.002	<0.002	
10/9/2018									<0.002
2/18/2019	<0.002	<0.002		<0.002					
2/19/2019			<0.002		<0.002	<0.002	<0.002		
2/20/2019								<0.002	<0.002
3/28/2019			<0.002	<0.002	<0.002		<0.002		
3/29/2019	<0.002	<0.002				<0.002			
2/13/2020	<0.002	<0.002				<0.002			
2/17/2020					<0.002		<0.002		
2/18/2020			<0.002	<0.002				<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/17/2021	<0.002	<0.002		<0.002			<0.002		
8/18/2021			<0.002		<0.002	<0.002		<0.002	<0.002
2/9/2022	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
2/10/2022						<0.002			
8/17/2022	0.00052 (J)	<0.002							
8/18/2022			<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
8/19/2022								<0.002	
2/21/2023	<0.002		<0.002		<0.002				
2/22/2023		<0.002		<0.002				<0.002	<0.002
2/23/2023						<0.002	<0.002		
8/1/2023	<0.002	<0.002			<0.002			<0.002	
8/7/2023			<0.002	<0.002					
8/8/2023						<0.002	<0.002		<0.002
2/20/2024	<0.002	<0.002		<0.002				<0.002	
2/21/2024			<0.002		<0.002	<0.002			<0.002
2/27/2024							<0.002		
7/31/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
8/1/2024								<0.002	
2/19/2025				<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/20/2025	<0.002	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.002	<0.002	<0.002	<0.002	<0.002				
5/12/2016						<0.002	<0.002	<0.002	<0.002
6/27/2016	<0.002								
6/28/2016			0.0014 (J)	<0.002	<0.002	0.0004 (J)	<0.002	<0.002	<0.002
6/29/2016		<0.002							
8/17/2016	<0.002		<0.002	<0.002					
8/18/2016					<0.002	<0.002	<0.002	<0.002	<0.002
8/22/2016		<0.002							
10/17/2016	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		
10/18/2016		<0.002						<0.002	<0.002
12/6/2016	<0.002		<0.002	<0.002	<0.002	<0.002			
12/7/2016		<0.002					<0.002	<0.002	<0.002
2/14/2017	<0.002								
2/15/2017			<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
2/16/2017		<0.002							<0.002
4/12/2017	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
4/13/2017		<0.002							<0.002
6/27/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/28/2018		<0.002							
10/8/2018					<0.002	<0.002	<0.002		<0.002
10/9/2018	<0.002	<0.002	<0.002						
2/20/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/18/2020	<0.002			<0.002					
2/19/2020		<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/18/2021	<0.002								
8/19/2021		<0.002	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002
8/20/2021					<0.002				
2/10/2022	<0.002	<0.002		<0.002	<0.002				<0.002
2/11/2022			<0.002			<0.002		<0.002	
2/14/2022							<0.002		
8/18/2022	<0.002	<0.002		<0.002	<0.002	<0.002			
8/19/2022			<0.002				<0.002	<0.002	
8/31/2022									<0.002
2/22/2023	<0.002	<0.002	<0.002	<0.002					
2/23/2023					<0.002	<0.002	<0.002	<0.002	<0.002
8/2/2023				<0.002		<0.002			
8/7/2023		<0.002	<0.002		<0.002			<0.002	
8/8/2023	<0.002						<0.002		<0.002
2/21/2024	<0.002	<0.002							
2/23/2024			<0.002	<0.002	<0.002	<0.002			
2/26/2024								<0.002	<0.002
2/27/2024							<0.002		
8/1/2024	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/5/2024			<0.002						
2/19/2025	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002		<0.002
2/20/2025				<0.002				<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.002			<0.002	<0.002	<0.002	<0.002		
5/13/2016		<0.002	<0.002						
6/29/2016	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002		
6/30/2016		0.0012 (J)							
8/18/2016	<0.002								
8/19/2016						<0.002	<0.002		
8/22/2016		<0.002	<0.002	<0.002	<0.002				
10/18/2016			<0.002	<0.002	<0.002	<0.002	<0.002		
10/19/2016	<0.002	<0.002							
12/7/2016	<0.002	<0.002			<0.002	<0.002	<0.002		
12/8/2016			<0.002	<0.002					
2/15/2017	<0.002						<0.002		
2/16/2017		<0.002	<0.002	<0.002	<0.002	<0.002			
4/13/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
6/27/2017	<0.002								
6/28/2017		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
3/27/2018	<0.002						<0.002		
3/28/2018		<0.002	<0.002	<0.002	<0.002	<0.002			
10/8/2018	<0.002				<0.002	<0.002	<0.002		
10/9/2018			<0.002						
1/10/2019									<0.002
2/19/2019						<0.002	<0.002		
2/20/2019	<0.002	<0.002	<0.002	<0.002	<0.002				
2/13/2020									<0.002
2/18/2020				<0.002	<0.002	<0.002	<0.002		
2/19/2020	<0.002		<0.002						
2/20/2020		<0.002							
2/10/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
8/18/2021	<0.002	<0.002			<0.002	<0.002	<0.002		
8/19/2021			<0.002	<0.002					
2/8/2022								<0.002	<0.002
2/10/2022		<0.002				<0.002	<0.002		
2/11/2022	<0.002		<0.002	<0.002	<0.002				
8/22/2022			0.0021	0.0019 (J)	0.0019 (J)	0.0022	0.00098 (J)		
8/23/2022		<0.002							<0.002
8/24/2022								<0.002	
8/31/2022	<0.002								
2/22/2023	<0.002	<0.002	<0.002	<0.002					
2/23/2023					<0.002	<0.002	<0.002	<0.002	<0.002
8/1/2023									<0.002
8/2/2023								0.00046 (J)	
8/7/2023	<0.002	<0.002	<0.002	<0.002		<0.002			
8/8/2023					<0.002		<0.002		
2/20/2024			<0.002						
2/21/2024						<0.002	<0.002	<0.002	
2/26/2024	<0.002			<0.002					
2/27/2024		<0.002			<0.002				
2/28/2024									<0.002
8/1/2024			<0.002						
8/2/2024				<0.002	<0.002	<0.002	<0.002		
8/5/2024	<0.002	<0.002						<0.002	<0.002
2/19/2025	<0.002							<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/20/2025				<0.002	<0.002	<0.002			
2/21/2025		<0.002	<0.002				<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
2/19/2020				<0.002				
2/9/2022	0.00061 (J)	<0.002		<0.002	<0.002	<0.002	<0.002	
2/10/2022			<0.002					<0.002
8/22/2022					<0.002			
8/23/2022		<0.002	0.00089 (J)					
8/24/2022	<0.002			<0.002		<0.002	<0.002	<0.002
2/23/2023	<0.002			<0.002	<0.002			
2/24/2023		<0.002	<0.002			<0.002		<0.002
2/28/2023							<0.002	
8/1/2023	<0.002		<0.002					
8/2/2023		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002
2/23/2024							<0.002	<0.002
2/26/2024	<0.002							
2/27/2024		<0.002	<0.002	<0.002	<0.002	<0.002		
8/1/2024	<0.002						<0.002	
8/2/2024						<0.002		<0.002
8/5/2024			<0.002		<0.002			
8/6/2024		<0.002		<0.002				
2/20/2025			<0.002		0.0009 (J)			
2/21/2025	<0.002			<0.002				
2/24/2025		<0.002				<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		
5/11/2016				<0.001				<0.001	<0.001
6/23/2016	<0.001	<0.001			<0.001	<0.001			
6/24/2016			<0.001	<0.001					
6/27/2016							<0.001	<0.001	0.0009 (J)
8/16/2016	0.00065 (J)	0.0005 (J)	<0.001		<0.001	<0.001			
8/17/2016				<0.001			0.0012 (J)	<0.001	0.0006 (J)
10/13/2016	<0.001					<0.001			
10/14/2016		<0.001	<0.001		<0.001		0.00073 (J)		
10/17/2016				<0.001				<0.001	
10/18/2016									<0.001
12/5/2016						<0.001			
12/6/2016	<0.001	<0.001	<0.001	<0.001	<0.001		0.00075 (J)	<0.001	<0.001
2/14/2017	0.00055 (J)	0.00046 (J)	<0.001	<0.001	<0.001	0.00057 (J)	0.0015	0.0006 (J)	0.00059 (J)
4/10/2017						<0.001			
4/11/2017	<0.001	<0.001	<0.001	0.0011 (J)	<0.001		0.00072 (J)		
4/12/2017								0.00046 (J)	0.00058 (J)
6/26/2017	0.00081 (J)	0.00089 (J)	0.00063 (J)	0.00055 (J)	0.00079 (J)	0.0009 (J)			
6/27/2017							0.00095 (J)	<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001			<0.001			
3/27/2018				<0.001	<0.001		0.00052 (J)	<0.001	<0.001
6/5/2018	<0.001	<0.001			<0.001	<0.001	<0.001		
6/6/2018			<0.001	<0.001				<0.001	<0.001
10/5/2018	<0.001	<0.001	<0.001			<0.001			
10/8/2018				<0.001	<0.001		<0.001	<0.001	
10/9/2018									0.00057 (J)
2/18/2019	<0.001	<0.001		<0.001					
2/19/2019			<0.001		<0.001	<0.001	<0.001		
2/20/2019								<0.001	<0.001
3/28/2019			<0.001	<0.001	<0.001		0.00048 (J)		
3/29/2019	<0.001	<0.001				<0.001			
4/1/2019									<0.001
4/2/2019								<0.001	
9/12/2019					<0.001				
9/13/2019						<0.001			
9/16/2019	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	
9/17/2019									<0.001
2/13/2020	<0.001	<0.001				<0.001			
2/17/2020					<0.001		<0.001		
2/18/2020			<0.001	<0.001				<0.001	<0.001
3/17/2020		<0.001	<0.001		<0.001		<0.001		
3/18/2020	<0.001			<0.001		<0.001			
3/25/2020								0.00044 (J)	
3/26/2020									<0.001
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/30/2021	<0.001	<0.001				<0.001			
3/31/2021			<0.001	<0.001	<0.001				
4/1/2021								<0.001	0.00044 (J)
4/7/2021							<0.001		
8/17/2021	<0.001	<0.001		<0.001			<0.001		
8/18/2021			<0.001		<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/10/2022						<0.001			
8/17/2022	0.00028 (J)	<0.001							
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
8/19/2022								<0.001	
2/21/2023	<0.001		<0.001		<0.001				
2/22/2023		<0.001		0.00029 (J)				<0.001	<0.001
2/23/2023						<0.001	<0.001		
8/1/2023	<0.001	<0.001			<0.001			<0.001	
8/7/2023			<0.001	<0.001					
8/8/2023						<0.001	<0.001		<0.001
2/20/2024	<0.001	<0.001		<0.001				<0.001	
2/21/2024			<0.001		<0.001	<0.001			<0.001
2/27/2024							<0.001		
7/31/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
8/1/2024								<0.001	
2/19/2025				<0.001		<0.001	<0.001		<0.001
2/20/2025	<0.001	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.001	<0.001	<0.001	0.00103 (J)	<0.001				
5/12/2016						<0.001	<0.001	<0.001	<0.001
6/27/2016	<0.001								
6/28/2016			<0.001	0.0011 (J)	0.001 (J)	<0.001	<0.001	0.0026 (J)	<0.001
6/29/2016		0.0009 (J)							
8/17/2016	<0.001		<0.001	0.0011 (J)					
8/18/2016					0.00091 (J)	<0.001	<0.001	0.0015	<0.001
8/22/2016		<0.001							
10/17/2016	<0.001		<0.001	0.0011 (J)	<0.001	<0.001	<0.001		
10/18/2016		0.00074 (J)						0.0019	<0.001
12/6/2016	<0.001		<0.001	0.00072 (J)	<0.001	<0.001			
12/7/2016		0.00079 (J)					<0.001	0.00079 (J)	<0.001
2/14/2017	0.0005 (J)								
2/15/2017			0.0005 (J)	0.0011 (J)	0.00076 (J)	<0.001	<0.001	0.00073 (J)	
2/16/2017		0.00056 (J)							<0.001
4/12/2017	<0.001		<0.001	0.00076 (J)	0.00046 (J)	0.00047 (J)	0.00057 (J)	0.0009 (J)	
4/13/2017		0.00079 (J)							<0.001
6/27/2017	0.00076 (J)	0.0011 (J)	0.00074 (J)	0.0011 (J)	0.0011 (J)	0.00088 (J)	0.00058 (J)	0.0011 (J)	0.00055 (J)
3/27/2018	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/28/2018		<0.001							
6/6/2018	<0.001	<0.001	<0.001	<0.001	<0.001				
6/7/2018						<0.001	<0.001	<0.001	<0.001
10/8/2018					0.0007 (J)	0.00069 (J)	0.0007 (J)		0.00054 (J)
10/9/2018	0.00053 (J)	0.00068 (J)	<0.001						
10/16/2018				<0.001				<0.001	
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00075 (J)	<0.001
4/1/2019	0.001 (J)	<0.001	0.00059 (J)	0.0011 (J)	0.0012 (J)	0.0014	0.0012 (J)	0.0016	
4/2/2019									<0.001
9/16/2019		<0.001		<0.001	<0.001				
9/17/2019	0.00035 (J)		<0.001			<0.001	<0.001	0.0008 (J)	<0.001
2/18/2020	<0.001			<0.001					
2/19/2020		0.00039 (J)	<0.001		0.00032 (J)	<0.001	<0.001	0.001	<0.001
3/25/2020	0.00063 (J)	<0.001	<0.001	<0.001					
3/26/2020					0.00032 (J)				
3/27/2020						<0.001	0.0014	0.0016	<0.001
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
9/15/2020							<0.001	0.0014	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013	<0.001
3/31/2021		0.00033 (J)	<0.001					0.0012	
4/1/2021	<0.001								0.00033 (J)
4/6/2021							<0.001		
4/7/2021				<0.001	<0.001	<0.001			
8/18/2021	<0.001								
8/19/2021		<0.001	<0.001	<0.001		<0.001	<0.001	0.0014	<0.001
8/20/2021					<0.001				
2/10/2022	<0.001	<0.001		<0.001	<0.001				<0.001
2/11/2022			<0.001			<0.001		0.0021	
2/14/2022							<0.001		
8/18/2022	<0.001	<0.001		<0.001	<0.001	<0.001			
8/19/2022			<0.001				<0.001	0.00066 (J)	
8/31/2022									<0.001
2/22/2023	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.001	<0.001	<0.001	0.0012	<0.001
8/2/2023				<0.001		<0.001			
8/7/2023		<0.001	<0.001		<0.001			<0.001	
8/8/2023	<0.001						<0.001		<0.001
2/21/2024	<0.001	<0.001							
2/23/2024			<0.001	<0.001	<0.001	<0.001			
2/26/2024								0.0032	<0.001
2/27/2024							<0.001		
8/1/2024	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	0.0018	<0.001
8/5/2024			<0.001						
2/19/2025	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
2/20/2025				<0.001				0.0012	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.001			<0.001	<0.001	<0.001	<0.001		
5/13/2016		0.00161 (J)	<0.001						
6/29/2016	<0.001		<0.001	0.0018 (J)	<0.001	<0.001	<0.001		
6/30/2016		0.004 (J)							
8/18/2016	<0.001								
8/19/2016						<0.001	<0.001		
8/22/2016		0.0012 (J)	<0.001	0.001 (J)	<0.001				
10/18/2016			<0.001	0.00085 (J)	<0.001	<0.001	<0.001		
10/19/2016	0.0011 (J)	0.0019							
12/7/2016	<0.001	0.0012 (J)			<0.001	<0.001	<0.001		
12/8/2016			<0.001	<0.001					
2/15/2017	0.00059 (J)						<0.001		
2/16/2017		0.00086 (J)	<0.001	<0.001	<0.001	<0.001			
4/13/2017	0.00066 (J)	0.00058 (J)	<0.001	<0.001	<0.001	0.0006 (J)	0.00061 (J)		
6/27/2017	0.00075 (J)								
6/28/2017		0.0011 (J)	0.00068 (J)	0.00094 (J)	0.00076 (J)	0.00089 (J)	0.00079 (J)		
3/27/2018	<0.001						<0.001		
3/28/2018		0.0015	<0.001	<0.001	<0.001	<0.001			
6/7/2018	<0.001			<0.001	<0.001	<0.001	<0.001		
6/8/2018		0.002	<0.001						
10/8/2018	0.00075 (J)				<0.001	<0.001	<0.001		
10/9/2018			0.00058 (J)						
10/18/2018		0.0031		<0.001					
1/2/2019		<0.0013							
1/10/2019									<0.001
2/19/2019						<0.001	<0.001		
2/20/2019	<0.001	0.003	<0.001	<0.001	<0.001				
4/2/2019	<0.001	0.0027	<0.001	<0.001	<0.001	<0.001	<0.001		
9/17/2019	<0.001	0.0029	<0.001	0.00037 (J)	<0.001				
9/18/2019						0.00035 (J)	<0.001		
2/13/2020									<0.001
2/18/2020				0.00032 (J)	<0.001	0.00034 (J)	<0.001		
2/19/2020	<0.001		<0.001						
2/20/2020		0.0031							
3/23/2020			<0.001	0.0005 (J)	<0.001				
3/24/2020	<0.001					<0.001	<0.001		
3/26/2020		0.0047							
9/15/2020	<0.001	0.0045	<0.001	0.00051 (J)	<0.001	<0.001	<0.001		
2/10/2021	0.00038 (J)	0.0033	<0.001	0.00059 (J)	<0.001	<0.001	<0.001		
3/30/2021		0.0028	<0.001	0.00049 (J)	<0.001				
3/31/2021						<0.001	<0.001		
4/1/2021	<0.001								
8/18/2021	<0.001	0.0028			<0.001	<0.001	<0.001		
8/19/2021			<0.001	0.00066 (J)					
2/8/2022								<0.001	<0.001
2/10/2022		0.0043				0.00031 (J)	<0.001		
2/11/2022	<0.001		<0.001	0.00081 (J)	<0.001				
8/22/2022			<0.001	0.00042 (J)	<0.001	0.00044 (J)	<0.001		
8/23/2022		0.0021							<0.001
8/24/2022								<0.001	
8/31/2022	<0.001								
2/22/2023	<0.001	0.0015	<0.001	0.00046 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/23/2023					<0.001	<0.001	<0.001	<0.001	<0.001
8/1/2023									<0.001
8/2/2023								<0.001	
8/7/2023	<0.001	0.00093 (J)	<0.001	<0.001		<0.001			
8/8/2023					<0.001		<0.001		
2/20/2024			<0.001						
2/21/2024						<0.001	<0.001	<0.001	
2/26/2024	<0.001			0.0015					
2/27/2024		0.0018			<0.001				
2/28/2024									<0.001
8/1/2024			<0.001						
8/2/2024				0.00098 (J)	<0.001	<0.001	<0.001		
8/5/2024	<0.001	0.0018						<0.001	<0.001
2/19/2025	<0.001							<0.001	<0.001
2/20/2025				<0.001	<0.001	<0.001			
2/21/2025		0.0012	<0.001				<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							<0.001	
10/17/2018		0.0019						
10/18/2018	<0.001		<0.001	<0.001	<0.001	<0.001		
2/19/2020				<0.001				
2/9/2022	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	
2/10/2022			<0.001					0.00059 (J)
8/22/2022					0.00049 (J)			
8/23/2022		0.00028 (J)	<0.001					
8/24/2022	<0.001			<0.001		<0.001	<0.001	0.00074 (J)
2/23/2023	<0.001			<0.001	<0.001			
2/24/2023		<0.001	<0.001			<0.001		0.0007 (J)
2/28/2023							<0.001	
8/1/2023	<0.001		<0.001					
8/2/2023		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
2/23/2024							<0.001	<0.001
2/26/2024	<0.001							
2/27/2024		<0.001	<0.001	<0.001	<0.001	<0.001		
8/1/2024	<0.001						<0.001	
8/2/2024						<0.001		<0.001
8/5/2024			<0.001		<0.001			
8/6/2024		<0.001		<0.001				
2/20/2025			<0.001		<0.001			
2/21/2025	<0.001			<0.001				
2/24/2025		<0.001				<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	0.0663	0.0409	0.036		0.0112	0.0214	0.0253		
5/11/2016				0.0484				0.0933	0.295
6/23/2016	0.055	0.0342			0.0101	0.0204			
6/24/2016			0.0343	0.0471					
6/27/2016							0.0253	0.101	0.353
8/16/2016	0.048	0.034	0.029		0.0088	0.018			
8/17/2016				0.046			0.021	0.094	0.29
10/13/2016	0.061					0.022			
10/14/2016		0.041	0.034		0.01		0.023		
10/17/2016				0.049				0.11	
10/18/2016									0.29
12/5/2016						0.023			
12/6/2016	0.053	0.042	0.033	0.047	0.011		0.02	0.11	0.31
2/14/2017	0.046	0.035	0.032	0.05	0.01	0.021	0.018	0.056	0.3
4/10/2017						0.021			
4/11/2017	0.046	0.037	0.033	0.053	0.01		0.021		
4/12/2017								0.048	0.3
6/26/2017	0.048	0.037	0.036	0.058	0.011	0.022			
6/27/2017							0.024	0.058	0.36
3/26/2018	0.053	0.036	0.035			0.022			
3/27/2018				0.061	0.01		0.024	0.021	0.27
6/5/2018	0.058	0.038			0.011	0.022	0.024		
6/6/2018			0.036	0.058				0.014	0.24
10/5/2018	0.058	0.036	0.035			0.024			
10/8/2018				0.064	0.011		0.024	0.069	
10/9/2018									0.28
2/18/2019	0.046	0.035		0.057					
2/19/2019			0.033		0.0094	0.019	0.022		
2/20/2019								0.052	0.28
3/28/2019			0.036	0.061	0.0097		0.022		
3/29/2019	0.044	0.039				0.021			
4/1/2019									0.24
4/2/2019								0.069	
9/12/2019					0.012				
9/13/2019						0.025			
9/16/2019	0.048	0.045	0.041	0.068			0.028	0.13	
9/17/2019									0.23
2/13/2020	0.042	0.043				0.025			
2/17/2020					0.01		0.026		
2/18/2020			0.04	0.069				0.083	0.25
3/17/2020		0.039	0.037		0.01		0.025		
3/18/2020	0.046			0.071		0.023			
3/25/2020								0.12	
3/26/2020									0.23
9/14/2020	0.043	0.038	0.039	0.068	0.011	0.024	0.026	0.14	0.27
2/9/2021	0.043	0.037	0.035	0.065	0.01	0.023	0.025	0.12	0.26
3/30/2021	0.047	0.039				0.022			
3/31/2021			0.041	0.068	0.011				
4/1/2021								0.12	0.26
4/7/2021							0.026		
8/17/2021	0.047	0.038		0.066			0.027		
8/18/2021			0.036		0.011	0.025		0.13	0.24

Time Series

Constituent: Barium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	0.044	0.039	0.041	0.069	0.011		0.026	0.13	0.21
2/10/2022						0.025			
8/17/2022	0.046	0.04							
8/18/2022			0.035	0.071	0.011	0.023	0.022		0.2
8/19/2022								0.15	
2/21/2023	0.049		0.045		0.012				
2/22/2023		0.038		0.078				0.12	0.22
2/23/2023						0.028	0.026		
8/1/2023	0.047	0.038			0.013			0.14	
8/7/2023			0.036	0.077					
8/8/2023						0.027	0.024		0.24
2/20/2024	0.045	0.048		0.091				0.13	
2/21/2024			0.042		0.012	0.028			0.22
2/27/2024							0.028		
7/31/2024	0.049	0.038	0.037	0.082	0.013	0.035	0.024		0.25
8/1/2024								0.17	
2/19/2025				0.077		0.029	0.028		0.25
2/20/2025	0.047	0.041	0.038		0.014			0.17	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.251	0.0494	0.0294	0.038	0.0324				
5/12/2016						0.0198	0.067	0.041	0.0163
6/27/2016	0.205								
6/28/2016			0.0293	0.0363	0.0321	0.0208	0.0668	0.0435	0.0165
6/29/2016		0.0535							
8/17/2016	0.16		0.029	0.033					
8/18/2016					0.03	0.022	0.06	0.043	0.017
8/22/2016		0.049							
10/17/2016	0.17		0.027	0.035	0.032	0.024	0.06		
10/18/2016		0.049						0.041	0.017
12/6/2016	0.16		0.03	0.035	0.032	0.025			
12/7/2016		0.048					0.063	0.042	0.017
2/14/2017	0.18								
2/15/2017			0.025	0.036	0.036	0.026	0.061	0.038	
2/16/2017		0.056							0.017
4/12/2017	0.18		0.028	0.038	0.037	0.029	0.062	0.038	
4/13/2017		0.063							0.019
6/27/2017	0.18	0.067	0.034	0.042	0.042	0.031	0.06	0.041	0.02
3/27/2018	0.17		0.031	0.039	0.043	0.029	0.055	0.035	0.021
3/28/2018		0.069							
6/6/2018	0.18	0.069	0.027	0.041	0.048				
6/7/2018						0.032	0.057	0.035	0.022
10/8/2018					0.049	0.033	0.053		0.025
10/9/2018	0.17	0.077	0.032						
10/16/2018				0.037				0.031	
2/20/2019	0.2	0.077	0.036	0.044	0.054	0.041	0.053	0.036	0.027
4/1/2019	0.19	0.071	0.039	0.041	0.051	0.038	0.054	0.034	
4/2/2019									0.023
9/16/2019		0.077		0.045	0.052				
9/17/2019	0.19		0.029			0.036	0.048	0.034	0.029
2/18/2020	0.17			0.044					
2/19/2020		0.065	0.027		0.053	0.033	0.047	0.031	0.029
3/25/2020	0.19	0.066	0.036	0.046					
3/26/2020					0.051				
3/27/2020						0.034	0.049	0.028	0.027
9/14/2020	0.18	0.059	0.027	0.042	0.057	0.039			
9/15/2020							0.05	0.031	0.031
2/9/2021	0.18	0.054	0.028	0.043	0.058	0.036	0.046	0.029	0.03
3/31/2021		0.061	0.036					0.028	
4/1/2021	0.17								0.029
4/6/2021							0.048		
4/7/2021				0.046	0.058	0.037			
8/18/2021	0.16								
8/19/2021		0.043	0.025	0.045		0.036	0.042	0.027	0.029
8/20/2021					0.057				
2/10/2022	0.18	0.047		0.045	0.057				0.034
2/11/2022			0.025			0.034		0.027	
2/14/2022							0.047		
8/18/2022	0.16	0.05		0.044	0.056	0.036			
8/19/2022			0.027				0.048	0.025	
8/31/2022									0.033
2/22/2023	0.13	0.044	0.038	0.044					

Time Series

Constituent: Barium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					0.058	0.035	0.038	0.023	0.035
8/2/2023				0.048		0.036			
8/7/2023		0.049	0.032		0.053			0.031	
8/8/2023	0.13						0.045		0.043
2/21/2024	0.12	0.046							
2/23/2024			0.036	0.062	0.073	0.043			
2/26/2024								0.028	0.05
2/27/2024							0.042		
8/1/2024	0.13	0.046		0.059	0.072	0.048	0.037	0.028	0.054
8/5/2024			0.041						
2/19/2025	0.14	0.035	0.043		0.075	0.044	0.032		0.059
2/20/2025				0.072				0.025	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	0.0157			0.0436	0.0914	0.1	0.0959		
5/13/2016		0.0138	0.0507						
6/29/2016	0.0161		0.0485	0.0466	0.0933	0.0991	0.0957		
6/30/2016		0.0145							
8/18/2016	0.016								
8/19/2016						0.096	0.093		
8/22/2016		0.014	0.044	0.038	0.086				
10/18/2016			0.042	0.039	0.093	0.096	0.093		
10/19/2016	0.023	0.016							
12/7/2016	0.018	0.015			0.096	0.09	0.09		
12/8/2016			0.045	0.038					
2/15/2017	0.02						0.09		
2/16/2017		0.013	0.04	0.034	0.091	0.091			
4/13/2017	0.019	0.012	0.037	0.028	0.088	0.091	0.081		
6/27/2017	0.019								
6/28/2017		0.012	0.04	0.03	0.094	0.1	0.085		
3/27/2018	0.02						0.076		
3/28/2018		0.029	0.034	0.027	0.09	0.084			
6/7/2018	0.02			0.029	0.092	0.084	0.082		
6/8/2018		0.032	0.035						
10/8/2018	0.021				0.092	0.084	0.077		
10/9/2018			0.037						
10/18/2018		0.033		0.027					
1/2/2019		0.027							
1/10/2019									0.032
2/19/2019						0.075	0.064		
2/20/2019	0.023	0.034	0.036	0.03	0.1				
4/2/2019	0.02	0.028	0.03	0.023	0.087	0.076	0.068		
9/17/2019	0.025	0.026	0.035	0.025	0.097				
9/18/2019						0.078	0.068		
2/13/2020									0.036
2/18/2020				0.023	0.11	0.085	0.065		
2/19/2020	0.022		0.034						
2/20/2020		0.023							
3/23/2020			0.032	0.024	0.1				
3/24/2020	0.024					0.081	0.065		
3/26/2020		0.02							
9/15/2020	0.025	0.02	0.034	0.024	0.13	0.083	0.064		
2/10/2021	0.023	0.016	0.031	0.023	0.12	0.078	0.066		
3/30/2021		0.015	0.03	0.021	0.12				
3/31/2021						0.072	0.059		
4/1/2021	0.022								
8/18/2021	0.024	0.022			0.12	0.074	0.056		
8/19/2021			0.027	0.02					
2/8/2022								0.049	0.033
2/10/2022		0.013				0.07	0.064		
2/11/2022	0.025		0.032	0.022	0.11				
8/22/2022			0.023	0.021	0.1	0.075	0.056		
8/23/2022		0.012							0.034
8/24/2022								0.046	
8/31/2022	0.033								
2/22/2023	0.024	0.0098 (J)	0.022	0.018					

Time Series

Constituent: Barium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/23/2023					0.1	0.082	0.06	0.049	0.036
8/1/2023									0.034
8/2/2023								0.046	
8/7/2023	0.026	0.0092 (J)	0.022	0.02		0.074			
8/8/2023					0.12		0.058		
2/20/2024			0.024						
2/21/2024						0.075	0.056	0.049	
2/26/2024	0.029			0.021					
2/27/2024		0.01			0.12				
2/28/2024									0.037
8/1/2024			0.025						
8/2/2024				0.023	0.13	0.08	0.06		
8/5/2024	0.025	0.011						0.043	0.031
2/19/2025	0.032							0.041	0.038
2/20/2025				0.022	0.12	0.071			
2/21/2025		0.0093 (J)	0.024				0.064		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							0.014	
10/17/2018		0.02						
10/18/2018	0.055		0.089	0.059	0.1	0.12		
2/19/2020				0.032				
2/9/2022	0.06	0.04		0.026	0.056	0.085	0.0078 (J)	
2/10/2022			0.042					0.14
8/22/2022					0.052			
8/23/2022		0.039	0.055					
8/24/2022	0.058			0.025		0.07	0.0079 (J)	0.13
2/23/2023	0.062			0.026	0.052			
2/24/2023		0.045	0.039			0.076		0.16
2/28/2023							0.008 (J)	
8/1/2023	0.054		0.038					
8/2/2023		0.043		0.023	0.05	0.074	0.0092 (J)	0.17
2/23/2024							0.009 (J)	0.19
2/26/2024	0.068							
2/27/2024		0.042	0.036	0.025	0.05	0.074		
8/1/2024	0.063						0.01	
8/2/2024						0.075		0.19
8/5/2024			0.033		0.051			
8/6/2024		0.038		0.023				
2/20/2025			0.033		0.047			
2/21/2025	0.06			0.024				
2/24/2025		0.043				0.07	0.0099 (J)	0.18

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
5/11/2016				<0.0025				<0.0025	<0.0025
6/23/2016	0.0002 (J)	<0.0025			<0.0025	<0.0025			
6/24/2016			<0.0025	<0.0025					
6/27/2016							<0.0025	<0.0025	<0.0025
8/16/2016	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025			
8/17/2016				<0.0025			<0.0025	<0.0025	<0.0025
10/13/2016	<0.0025					<0.0025			
10/14/2016		<0.0025	<0.0025		<0.0025		<0.0025		
10/17/2016				<0.0025				<0.0025	
10/18/2016									<0.0025
12/5/2016						<0.0025			
12/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/14/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017						<0.0025			
4/11/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025		
4/12/2017								<0.0025	<0.0025
6/26/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/27/2017							<0.0025	<0.0025	<0.0025
3/26/2018	<0.0025	<0.0025	<0.0025			<0.0025			
3/27/2018				<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
6/5/2018	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025		
6/6/2018			<0.0025	<0.0025				<0.0025	<0.0025
10/5/2018	<0.0025	<0.0025	<0.0025			<0.0025			
10/8/2018				<0.0025	<0.0025		<0.0025	<0.0025	
10/9/2018									<0.0025
2/18/2019	<0.0025	<0.0025		<0.0025					
2/19/2019			<0.0025		<0.0025	<0.0025	<0.0025		
2/20/2019								<0.0025	<0.0025
3/28/2019			<0.0025	<0.0025	<0.0025		<0.0025		
3/29/2019	<0.0025	<0.0025				<0.0025			
4/1/2019									<0.0025
4/2/2019								<0.0025	
9/12/2019					<0.0025				
9/13/2019						<0.0025			
9/16/2019	0.00028 (J)	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	
9/17/2019									<0.0025
2/13/2020	0.00031 (J)	<0.0025				<0.0025			
2/17/2020					<0.0025		<0.0025		
2/18/2020			<0.0025	<0.0025				<0.0025	<0.0025
3/17/2020		<0.0025	<0.0025		<0.0025		<0.0025		
3/18/2020	0.00029 (J)			0.00018 (J)		<0.0025			
3/25/2020								0.0002 (J)	
3/26/2020									<0.0025
9/14/2020	0.00051 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/30/2021	0.00025 (J)	<0.0025				<0.0025			
3/31/2021			<0.0025	<0.0025	<0.0025				
4/1/2021								<0.0025	<0.0025
4/7/2021							<0.0025		
8/17/2021	0.00029 (J)	<0.0025		<0.0025			<0.0025		
8/18/2021			<0.0025		<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/10/2022						<0.0025			
8/17/2022	0.00027 (J)	<0.0025							
8/18/2022			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
8/19/2022								<0.0025	
2/21/2023	0.00036 (J)		<0.0025		<0.0025				
2/22/2023		<0.0025		<0.0025				<0.0025	<0.0025
2/23/2023						<0.0025	<0.0025		
8/1/2023	0.00031 (J)	<0.0025			<0.0025			<0.0025	
8/7/2023			<0.0025	<0.0025					
8/8/2023						<0.0025	<0.0025		<0.0025
2/20/2024	0.00032 (J)	<0.0025		<0.0025				<0.0025	
2/21/2024			<0.0025		<0.0025	<0.0025			0.00033 (J)
2/27/2024							<0.0025		
7/31/2024	0.00023 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
8/1/2024								<0.0025	
2/19/2025				<0.0025		<0.0025	<0.0025		<0.0025
2/20/2025	0.00037 (J)	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
5/12/2016						<0.0025	<0.0025	<0.0025	<0.0025
6/27/2016	<0.0025								
6/28/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
6/29/2016		<0.0025							
8/17/2016	<0.0025		<0.0025	<0.0025					
8/18/2016					<0.0025	<0.0025	<0.0025	0.00037 (J)	<0.0025
8/22/2016		<0.0025							
10/17/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
10/18/2016		<0.0025						<0.0025	<0.0025
12/6/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
12/7/2016		<0.0025					<0.0025	<0.0025	<0.0025
2/14/2017	<0.0025								
2/15/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00037 (J)	
2/16/2017		<0.0025							<0.0025
4/12/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00035 (J)	
4/13/2017		<0.0025							<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0004 (J)	<0.0025
3/27/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00041 (J)	<0.0025
3/28/2018		<0.0025							
6/6/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
6/7/2018						<0.0025	<0.0025	0.00038 (J)	<0.0025
10/8/2018					<0.0025	<0.0025	<0.0025		<0.0025
10/9/2018	<0.0025	<0.0025	<0.0025						
10/16/2018				<0.0025				0.0004 (J)	
2/20/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00042 (J)	<0.0025
4/1/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00034 (J)	
4/2/2019									<0.0025
9/16/2019		<0.0025		<0.0025	<0.0025				
9/17/2019	0.00019 (J)		<0.0025			<0.0025	<0.0025	0.00046 (J)	<0.0025
2/18/2020	<0.0025			<0.0025					
2/19/2020		<0.0025	0.00026 (J)		<0.0025	<0.0025	<0.0025	0.00045 (J)	<0.0025
3/25/2020	0.0003 (J)	<0.0025	<0.0025	<0.0025					
3/26/2020					<0.0025				
3/27/2020						<0.0025	0.00053 (J)	0.00059 (J)	<0.0025
9/14/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/15/2020							0.0002 (J)	0.00053 (J)	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00044 (J)	<0.0025
3/31/2021		<0.0025	<0.0025					0.00045 (J)	
4/1/2021	<0.0025								<0.0025
4/6/2021							<0.0025		
4/7/2021				<0.0025	<0.0025	<0.0025			
8/18/2021	<0.0025								
8/19/2021		<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	0.00033 (J)	<0.0025
8/20/2021					<0.0025				
2/10/2022	<0.0025	<0.0025		<0.0025	<0.0025				<0.0025
2/11/2022			<0.0025			<0.0025		0.0004 (J)	
2/14/2022							<0.0025		
8/18/2022	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
8/19/2022			<0.0025				<0.0025	0.00039 (J)	
8/31/2022									<0.0025
2/22/2023	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.0025	<0.0025	<0.0025	0.00038 (J)	<0.0025
8/2/2023				<0.0025		<0.0025			
8/7/2023		<0.0025	<0.0025		<0.0025			0.00046 (J)	
8/8/2023	<0.0025						<0.0025		<0.0025
2/21/2024	<0.0025	<0.0025							
2/23/2024			<0.0025	<0.0025	<0.0025	<0.0025			
2/26/2024								0.00051 (J)	<0.0025
2/27/2024							<0.0025		
8/1/2024	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	0.00052 (J)	<0.0025
8/5/2024			<0.0025						
2/19/2025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		<0.0025
2/20/2025				<0.0025				0.00054 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.0025			0.000742 (J)	<0.0025	<0.0025	<0.0025		
5/13/2016		<0.0025	<0.0025						
6/29/2016	<0.0025		0.0002 (J)	0.0007 (J)	<0.0025	<0.0025	<0.0025		
6/30/2016		0.0003 (J)							
8/18/2016	<0.0025								
8/19/2016						<0.0025	<0.0025		
8/22/2016		<0.0025	<0.0025	0.00074 (J)	<0.0025				
10/18/2016			<0.0025	0.00075 (J)	<0.0025	<0.0025	<0.0025		
10/19/2016	<0.0025	<0.0025							
12/7/2016	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025		
12/8/2016			<0.0025	0.00093 (J)					
2/15/2017	<0.0025						<0.0025		
2/16/2017		<0.0025	<0.0025	0.00091 (J)	<0.0025	<0.0025			
4/13/2017	<0.0025	<0.0025	<0.0025	0.00065 (J)	<0.0025	<0.0025	<0.0025		
6/27/2017	<0.0025								
6/28/2017		<0.0025	<0.0025	0.00073 (J)	<0.0025	<0.0025	<0.0025		
3/27/2018	<0.0025						<0.0025		
3/28/2018		0.00036 (J)	<0.0025	0.00079 (J)	<0.0025	<0.0025			
6/7/2018	<0.0025			0.00086 (J)	<0.0025	<0.0025	<0.0025		
6/8/2018		0.00035 (J)	<0.0025						
10/8/2018	<0.0025				<0.0025	<0.0025	<0.0025		
10/9/2018			<0.0025						
10/18/2018		<0.0025		0.00079 (J)					
1/2/2019		<0.0025							
1/10/2019									<0.0025
2/19/2019						<0.0025	<0.0025		
2/20/2019	<0.0025	0.00033 (J)	0.00016 (J)	0.00077 (J)	<0.0025				
4/2/2019	<0.0025	<0.0025	<0.0025	0.00043 (J)	<0.0025	<0.0025	<0.0025		
9/17/2019	<0.0025	0.00035 (J)	<0.0025	0.00057 (J)	<0.0025				
9/18/2019						<0.0025	<0.0025		
2/13/2020									<0.0025
2/18/2020				0.00052 (J)	<0.0025	<0.0025	<0.0025		
2/19/2020	<0.0025		<0.0025						
2/20/2020		0.00049 (J)							
3/23/2020			<0.0025	0.00077 (J)	<0.0025				
3/24/2020	<0.0025					<0.0025	<0.0025		
3/26/2020		0.00033 (J)							
9/15/2020	<0.0025	0.0003 (J)	0.00018 (J)	0.00078 (J)	<0.0025	0.00033 (J)	<0.0025		
2/10/2021	0.00028 (J)	0.00036 (J)	0.00019 (J)	0.0009 (J)	<0.0025	<0.0025	<0.0025		
3/30/2021		0.00025 (J)	0.00018 (J)	0.00058 (J)	<0.0025				
3/31/2021						<0.0025	<0.0025		
4/1/2021	<0.0025								
8/18/2021	<0.0025	0.00035 (J)			<0.0025	<0.0025	<0.0025		
8/19/2021			<0.0025	0.00091 (J)					
2/8/2022								<0.0025	<0.0025
2/10/2022		<0.0025				<0.0025	<0.0025		
2/11/2022	<0.0025		<0.0025	0.00074 (J)	<0.0025				
8/22/2022			<0.0025	0.00062 (J)	<0.0025	<0.0025	<0.0025		
8/23/2022		<0.0025							<0.0025
8/24/2022								<0.0025	
8/31/2022	<0.0025								
2/22/2023	<0.0025	<0.0025	<0.0025	0.00044 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/23/2023					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/1/2023									<0.0025
8/2/2023								<0.0025	
8/7/2023	<0.0025	0.0002 (J)	<0.0025	0.00052 (J)		<0.0025			
8/8/2023					<0.0025		<0.0025		
2/20/2024			<0.0025						
2/21/2024						<0.0025	<0.0025	<0.0025	
2/26/2024	<0.0025			0.001 (J)					
2/27/2024		<0.0025			<0.0025				
2/28/2024									<0.0025
8/1/2024			0.00022 (J)						
8/2/2024				0.00087 (J)	<0.0025	<0.0025	<0.0025		
8/5/2024	<0.0025	<0.0025						<0.0025	<0.0025
2/19/2025	<0.0025							<0.0025	<0.0025
2/20/2025				0.0011 (J)	<0.0025	<0.0025			
2/21/2025		<0.0025	<0.0025				<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							<0.0025	
10/17/2018		<0.0025						
10/18/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
2/19/2020				<0.0025				
2/9/2022	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
2/10/2022			<0.0025					<0.0025
8/22/2022					<0.0025			
8/23/2022		<0.0025	<0.0025					
8/24/2022	<0.0025			<0.0025		<0.0025	<0.0025	<0.0025
2/23/2023	<0.0025			<0.0025	<0.0025			
2/24/2023		<0.0025	<0.0025			<0.0025		<0.0025
2/28/2023							<0.0025	
8/1/2023	<0.0025		<0.0025					
8/2/2023		<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/23/2024							<0.0025	<0.0025
2/26/2024	<0.0025							
2/27/2024		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
8/1/2024	<0.0025						<0.0025	
8/2/2024						<0.0025		<0.0025
8/5/2024			<0.0025		<0.0025			
8/6/2024		<0.0025		<0.0025				
2/20/2025			<0.0025		<0.0025			
2/21/2025	<0.0025			<0.0025				
2/24/2025		<0.0025				<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08		
5/11/2016				<0.08				<0.08	0.0359 (J)
6/23/2016	<0.08	<0.08			<0.08	<0.08			
6/24/2016			0.0109 (J)	0.0067 (J)					
6/27/2016							0.0052 (J)	0.0051 (J)	0.0354 (J)
8/16/2016	<0.08	<0.08	<0.08		<0.08	<0.08			
8/17/2016				<0.08			<0.08	<0.08	0.039 (J)
10/13/2016	<0.08					<0.08			
10/14/2016		<0.08	<0.08		<0.08		<0.08		
10/17/2016				<0.08				<0.08	
10/18/2016									0.039 (J)
12/5/2016						<0.08			
12/6/2016	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	0.03 (J)
2/14/2017	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.031 (J)
4/10/2017						<0.08			
4/11/2017	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		
4/12/2017								<0.08	0.039 (J)
6/26/2017	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
6/27/2017							<0.08	<0.08	0.028 (J)
10/10/2017	<0.08	<0.08				<0.08			
10/11/2017			<0.08	<0.08	<0.08		<0.08	<0.08	0.026 (J)
6/5/2018	<0.08	<0.08			<0.08	<0.08	<0.08		
6/6/2018			<0.08	<0.08				<0.08	<0.08
12/13/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		
12/14/2018								<0.08	<0.08
3/28/2019			<0.08	<0.08	<0.08		<0.08		
3/29/2019	<0.08	<0.08				<0.08			
4/1/2019									0.025 (J)
4/2/2019								<0.08	
9/12/2019					<0.08				
9/13/2019						<0.08			
9/16/2019	0.13	0.089	0.05	<0.08			<0.08	0.04 (J)	
9/17/2019									<0.08
3/17/2020		<0.08	<0.08		<0.08		<0.08		
3/18/2020	<0.08			<0.08		<0.08			
3/25/2020								<0.08	
3/26/2020									0.055 (J)
9/14/2020	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3/30/2021	0.041 (J)	0.045 (J)				0.072 (J)			
3/31/2021			<0.08	<0.08	<0.08				
4/1/2021								<0.08	0.069 (J)
4/7/2021							<0.08		
8/17/2021	<0.08	<0.08		<0.08			<0.08		
8/18/2021			<0.08		<0.08	<0.08		<0.08	0.047 (J)
2/9/2022	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
2/10/2022						<0.08			
8/17/2022	<0.08	<0.08							
8/18/2022			0.072 (J)	<0.08	<0.08	<0.08	<0.08		0.1
8/19/2022								<0.08	
2/21/2023	<0.08		<0.08		<0.08				
2/22/2023		<0.08		<0.08				<0.08	0.064 (J)
2/23/2023						0.18	0.1		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/1/2023	0.029 (J)	0.044 (J)			0.057 (J)			0.037 (J)	
8/7/2023			<0.08	<0.08					
8/8/2023						<0.08	<0.08		<0.08
2/20/2024	<0.08	<0.08		<0.08				<0.08	
2/21/2024			<0.08		<0.08	<0.08			<0.08
2/27/2024							0.023 (J)		
7/31/2024	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08
8/1/2024								<0.08	
2/19/2025				0.032 (J)		<0.08	<0.08		<0.08
2/20/2025	0.033 (J)	0.032 (J)	0.068 (J)		0.023 (J)			0.069 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.0678 (J)	1.54	0.0275 (J)	0.242	<0.08				
5/12/2016						0.599	1.38	1.57	0.562
6/27/2016	0.0767 (J)								
6/28/2016			0.035 (J)	0.245	0.0054 (J)	0.52	1.29	1.36	0.546
6/29/2016		1.52							
8/17/2016	0.067		0.028 (J)	0.26					
8/18/2016					<0.08	0.51	1.3	1.5	0.54
8/22/2016		1.6							
10/17/2016	0.059		0.032 (J)	0.25	<0.08	0.58	1.6		
10/18/2016		2.4						1.9	0.55
12/6/2016	0.054		<0.05	0.27	<0.08	0.5			
12/7/2016		1.6					1.5	1.5	0.56
2/14/2017	0.063								
2/15/2017			0.035 (J)	0.28	<0.08	0.5	1.5	1.5	
2/16/2017		1.6							0.58
4/12/2017	0.068		0.052	0.29	<0.08	0.47	1.4	1.7	
4/13/2017		1.7							0.56
6/27/2017	0.067	1.8	<0.05	0.29	<0.08	0.51	1.6	1.7	0.56
10/11/2017				0.31	<0.08	0.49	1.5		
10/12/2017	0.075	1.8	0.049 (J)					1.6	0.57
6/6/2018	0.059	1.8	0.07	0.37	<0.08				
6/7/2018						0.45	1.6	1.7	0.59
10/16/2018				0.35				1.5	
12/14/2018	0.064				<0.08	0.47	1.4		
12/17/2018		1.6	0.098						0.55
4/1/2019	0.076	1.7	0.16	0.46	<0.08	0.57	1.7	1.6	
4/2/2019									0.53
9/16/2019		1.6		0.39	<0.08				
9/17/2019	0.11		0.077			0.43	1.4	1.4	0.55
3/25/2020	0.089	1.6	0.12	0.45					
3/26/2020					<0.08				
3/27/2020						0.49	1.5	1.4	0.59
9/14/2020	0.1	1.7	0.082	0.43	<0.08	0.49			
9/15/2020							1.5	1.4	0.57
3/31/2021		1.5	0.15					1.4	
4/1/2021	0.14								0.55
4/6/2021							1.6		
4/7/2021				0.68	<0.08	0.59			
8/18/2021	0.14								
8/19/2021		1.5	0.091	0.54		0.59	1.7	1.6	0.72
8/20/2021					0.043 (J)				
2/10/2022	0.16	1.3		0.53	<0.08				0.63
2/11/2022			0.09			0.48		1.2	
2/14/2022							1.5		
8/18/2022	0.14	1.4		0.57	0.061 (J)	0.55			
8/19/2022			0.083				1.4	1.3	
8/31/2022									0.67
2/22/2023	0.11	1.6	0.28	0.75					
2/23/2023					0.079 (J)	0.69	1.7	2.2	0.87
8/2/2023				0.57		0.64			
8/7/2023		1.6	0.19		0.024 (J)			1.4	
8/8/2023	0.046 (J)						1.6		0.73

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/21/2024	0.036 (J)	1.6							
2/23/2024			0.24	0.75	0.043 (J)	0.76			
2/26/2024								1.3	0.78
2/27/2024							1.6		
8/1/2024	<0.08	1.8		0.69	<0.08	0.86	1.6	1.6	0.9
8/5/2024			0.28						
2/19/2025	0.042 (J)	1.4	0.31		0.039 (J)	0.96	1.6		0.88
2/20/2025				0.87				1.3	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	0.195			1.99	1.4	0.411	0.691		
5/13/2016		3.71	1.87						
6/29/2016	0.198		1.67	1.88	1.25	0.373	0.557		
6/30/2016		3.8							
8/18/2016	0.24								
8/19/2016						0.37	0.58		
8/22/2016		3.3	1.7	2	1.3				
10/18/2016			2.1	2.5	1.7	0.41	0.68		
10/19/2016	0.37	4.5							
12/7/2016	0.4	4.8			1.3	0.36	0.6		
12/8/2016			1.7	1.9					
2/15/2017	0.38						0.82		
2/16/2017		3.9	2.3	2.3	1.4	0.38			
4/13/2017	0.34	3.8	1.9	2	1.4	0.4	0.54		
6/27/2017	0.33								
6/28/2017		3.6	1.9	2.3	1.4	0.35	0.59		
10/12/2017	0.47	3.9	1.9	2.6	1.4	0.4	0.54		
6/7/2018	0.35			2.1	1.4	0.41	0.71		
6/8/2018		4.3	1.8						
10/18/2018		4.9		2.3					
12/14/2018	0.44								
12/17/2018			1.8		1.2	0.4	0.6		
1/2/2019		4.1							
1/10/2019									<0.08
4/2/2019	0.32	5.3	2	2	1.2	0.44	0.52		
9/17/2019	0.43	5	1.8	1.8	1.1				
9/18/2019						0.52	0.54		
2/13/2020									<0.08
3/23/2020			1.7	1.9	0.83				
3/24/2020	0.37					0.34	0.55		
3/26/2020		6							
9/15/2020	0.38	6.2	1.9	1.8	1.2	0.5	0.38		
3/30/2021		6.4	1.9	1.6	1.1				
3/31/2021						0.47	0.51		
4/1/2021	0.31								
8/18/2021	0.32	6.6			1.1	0.44	0.42		
8/19/2021			2.1	1.9					
2/8/2022								<0.08	<0.08
2/10/2022		6.4				0.54	0.45		
2/11/2022	0.27		1.7	1.5	1				
8/22/2022			1.7	1.6	1.2	0.57	0.46		
8/23/2022		6.8							<0.08
8/24/2022								<0.08	
8/31/2022	0.31								
2/22/2023	0.34	8.1	2	1.7					
2/23/2023					1.3	0.63	0.81	<0.08	<0.08
8/1/2023									0.031 (J)
8/2/2023								<0.08	
8/7/2023	0.3	6.6	1.9	1.8		0.52			
8/8/2023					1.2		0.41		
2/20/2024			2						
2/21/2024						0.45	0.47	<0.08	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/26/2024	0.33			1.7					
2/27/2024		6.3			1.2				
2/28/2024									0.075 (J)
8/1/2024			2.3						
8/2/2024				1.8	1.3	0.52	0.4		
8/5/2024	0.34	5.9						0.039 (J)	0.051 (J)
2/19/2025	0.39							<0.08	0.05 (J)
2/20/2025				1.9	1.3	0.52			
2/21/2025		5.5	2				0.35		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							<0.08	
10/17/2018		<0.08						
10/18/2018	0.067		3.8	3.5	2.6	0.82		
2/13/2020				3.4				
2/19/2020				3.2				
4/5/2021				3.2				
8/19/2021				2.2				
2/9/2022	0.16	<0.08		3.2	2.7	0.9	<0.08	
2/10/2022			4.1					0.44
8/22/2022					2.7			
8/23/2022		<0.08	4.8					
8/24/2022	0.2			3.2		1.1	0.083	0.43
2/23/2023	0.2			3.8	3			
2/24/2023		0.51	4.2			1.1		0.76
2/28/2023							<0.08	
8/1/2023	0.2		4.9					
8/2/2023		<0.08		3.5	2.9	1	0.037 (J)	0.47
2/23/2024							<0.08	0.49
2/26/2024	0.19							
2/27/2024		<0.08	4.3	3.7	3	1.1		
8/1/2024	0.19						0.026 (J)	
8/2/2024						1.1		0.48
8/5/2024			4.2		3.3			
8/6/2024		<0.08		3.7				
2/20/2025			4.6		2.3			
2/21/2025	0.18			3.8				
2/24/2025		<0.08				1.1	0.053 (J)	0.4

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	0.000156 (J)	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025		
5/11/2016				<0.0025				<0.0025	<0.0025
6/23/2016	<0.0025	<0.0025			<0.0025	<0.0025			
6/24/2016			<0.0025	<0.0025					
6/27/2016							<0.0025	<0.0025	<0.0025
8/16/2016	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025			
8/17/2016				<0.0025			<0.0025	<0.0025	<0.0025
10/13/2016	<0.0025					<0.0025			
10/14/2016		<0.0025	<0.0025		<0.0025		<0.0025		
10/17/2016				<0.0025				<0.0025	
10/18/2016									<0.0025
12/5/2016						<0.0025			
12/6/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/14/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/10/2017						<0.0025			
4/11/2017	<0.0025	<0.0025	<0.0025	<0.0025	0.0011 (J)		<0.0025		
4/12/2017								<0.0025	<0.0025
6/26/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/27/2017							<0.0025	<0.0025	<0.0025
3/26/2018	<0.0025	<0.0025	<0.0025			<0.0025			
3/27/2018				<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
10/5/2018	<0.0025	<0.0025	<0.0025			<0.0025			
10/8/2018				<0.0025	<0.0025		<0.0025	<0.0025	
10/9/2018									<0.0025
2/18/2019	<0.0025	<0.0025		<0.0025					
2/19/2019			<0.0025		<0.0025	<0.0025	<0.0025		
2/20/2019								<0.0025	<0.0025
3/28/2019			<0.0025	<0.0025	<0.0025		<0.0025		
3/29/2019	<0.0025	<0.0025				<0.0025			
4/1/2019									<0.0025
4/2/2019								<0.0025	
9/12/2019					<0.0025				
9/13/2019						<0.0025			
9/16/2019	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	
9/17/2019									<0.0025
2/13/2020	<0.0025	<0.0025				<0.0025			
2/17/2020					<0.0025		<0.0025		
2/18/2020			<0.0025	<0.0025				<0.0025	<0.0025
3/17/2020		<0.0025	<0.0025		<0.0025		<0.0025		
3/18/2020	<0.0025			<0.0025		<0.0025			
3/25/2020								0.00022 (J)	
3/26/2020									<0.0025
9/14/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/30/2021	<0.0025	<0.0025				<0.0025			
3/31/2021			<0.0025	<0.0025	<0.0025				
4/1/2021								<0.0025	<0.0025
4/7/2021							<0.0025		
8/17/2021	<0.0025	<0.0025		<0.0025			<0.0025		
8/18/2021			<0.0025		<0.0025	<0.0025		<0.0025	<0.0025
2/9/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
2/10/2022						<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/17/2022	<0.0025	<0.0025							
8/18/2022			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
8/19/2022								<0.0025	
2/21/2023	<0.0025		<0.0025		<0.0025				
2/22/2023		<0.0025		<0.0025				<0.0025	<0.0025
2/23/2023						<0.0025	<0.0025		
8/1/2023	<0.0025	<0.0025			<0.0025			<0.0025	
8/7/2023			<0.0025	<0.0025					
8/8/2023						<0.0025	<0.0025		<0.0025
2/20/2024	<0.0025	<0.0025		<0.0025				<0.0025	
2/21/2024			<0.0025		<0.0025	<0.0025			<0.0025
2/27/2024							<0.0025		
7/31/2024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
8/1/2024								<0.0025	
2/19/2025				<0.0025		<0.0025	<0.0025		<0.0025
2/20/2025	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
5/12/2016						<0.0025	0.000136 (J)	0.000265 (J)	<0.0025
6/27/2016	<0.0025								
6/28/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
6/29/2016		<0.0025							
8/17/2016	<0.0025		<0.0025	<0.0025					
8/18/2016					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/22/2016		<0.0025							
10/17/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
10/18/2016		<0.0025						<0.0025	<0.0025
12/6/2016	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
12/7/2016		<0.0025					<0.0025	<0.0025	<0.0025
2/14/2017	<0.0025								
2/15/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00044 (J)	
2/16/2017		<0.0025							<0.0025
4/12/2017	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
4/13/2017		<0.0025							<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/27/2018	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/28/2018		<0.0025							
10/8/2018					<0.0025	<0.0025	<0.0025		<0.0025
10/9/2018	<0.0025	<0.0025	<0.0025						
10/16/2018				<0.0025				<0.0025	
2/20/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00033 (J)	<0.0025
4/1/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
4/2/2019									<0.0025
9/16/2019		<0.0025		<0.0025	<0.0025				
9/17/2019	<0.0025		<0.0025			<0.0025	<0.0025	0.00034 (J)	<0.0025
2/18/2020	<0.0025			<0.0025					
2/19/2020		<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
3/25/2020	0.00031 (J)	<0.0025	<0.0025	<0.0025					
3/26/2020					<0.0025				
3/27/2020						<0.0025	0.00057 (J)	0.00042 (J)	<0.0025
9/14/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/15/2020							<0.0025	0.00032 (J)	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0003 (J)	<0.0025
3/31/2021		<0.0025	<0.0025					0.00027 (J)	
4/1/2021	<0.0025								<0.0025
4/6/2021							<0.0025		
4/7/2021				<0.0025	<0.0025	<0.0025			
8/18/2021	<0.0025								
8/19/2021		<0.0025	<0.0025	0.00022 (J)		<0.0025	<0.0025	0.00026 (J)	<0.0025
8/20/2021					<0.0025				
2/10/2022	<0.0025	<0.0025		<0.0025	<0.0025				<0.0025
2/11/2022			<0.0025			<0.0025		0.00024 (J)	
2/14/2022							<0.0025		
8/18/2022	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
8/19/2022			<0.0025				<0.0025	0.00024 (J)	
8/31/2022									<0.0025
2/22/2023	<0.0025	<0.0025	<0.0025	<0.0025					
2/23/2023					<0.0025	<0.0025	<0.0025	0.00023 (J)	<0.0025
8/2/2023				<0.0025		<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
8/7/2023		<0.0025	<0.0025		<0.0025			0.00046 (J)	
8/8/2023	<0.0025						0.00011 (J)		<0.0025
2/21/2024	<0.0025	<0.0025							
2/23/2024			<0.0025	<0.0025	<0.0025	<0.0025			
2/26/2024								0.00047 (J)	<0.0025
2/27/2024							<0.0025		
8/1/2024	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	8E-05 (J)	0.00033 (J)	<0.0025
8/5/2024			<0.0025						
2/19/2025	<0.0025	<0.0025	<0.0025		<0.0025	<0.0025	0.00011 (J)		<0.0025
2/20/2025				<0.0025				0.00024 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.0025			0.000108 (J)	<0.0025	<0.0025	<0.0025		
5/13/2016		0.00016 (J)	<0.0025						
6/29/2016	<0.0025		<0.0025	0.0001 (J)	<0.0025	<0.0025	<0.0025		
6/30/2016		0.0002 (J)							
8/18/2016	<0.0025								
8/19/2016						<0.0025	<0.0025		
8/22/2016		<0.0025	<0.0025	<0.0025	<0.0025				
10/18/2016			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
10/19/2016	<0.0025	<0.0025							
12/7/2016	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025		
12/8/2016			<0.0025	<0.0025					
2/15/2017	<0.0025						<0.0025		
2/16/2017		<0.0025	0.00036 (J)	<0.0025	0.00039 (J)	<0.0025			
4/13/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
6/27/2017	<0.0025								
6/28/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/27/2018	<0.0025						<0.0025		
3/28/2018		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
10/8/2018	<0.0025				<0.0025	<0.0025	<0.0025		
10/9/2018			<0.0025						
10/18/2018		<0.0025		<0.0025					
1/10/2019									<0.0025
2/19/2019						<0.0025	<0.0025		
2/20/2019	<0.0025	0.00023 (J)	<0.0025	<0.0025	<0.0025				
4/2/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
9/17/2019	<0.0025	0.00018 (J)	<0.0025	<0.0025	<0.0025				
9/18/2019						<0.0025	<0.0025		
2/13/2020									<0.0025
2/18/2020				<0.0025	<0.0025	<0.0025	<0.0025		
2/19/2020	<0.0025		<0.0025						
2/20/2020		0.00032 (J)							
3/23/2020			<0.0025	<0.0025	<0.0025				
3/24/2020	<0.0025					<0.0025	<0.0025		
3/26/2020		<0.0025							
9/15/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
2/10/2021	<0.0025	0.00035 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/30/2021		<0.0025	<0.0025	<0.0025	<0.0025				
3/31/2021						<0.0025	<0.0025		
4/1/2021	<0.0025								
8/18/2021	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025		
8/19/2021			<0.0025	<0.0025					
2/8/2022								<0.0025	<0.0025
2/10/2022		<0.0025				<0.0025	<0.0025		
2/11/2022	<0.0025		<0.0025	<0.0025	<0.0025				
8/22/2022			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
8/23/2022		<0.0025							<0.0025
8/24/2022								<0.0025	
8/31/2022	<0.0025								
2/22/2023	<0.0025	<0.0025	<0.0025	<0.0025					
2/23/2023					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/1/2023									<0.0025
8/2/2023								<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
8/7/2023	<0.0025	0.00024 (J)	0.0001 (J)	0.00013 (J)		<0.0025			
8/8/2023					<0.0025		<0.0025		
2/20/2024			<0.0025						
2/21/2024						<0.0025	<0.0025	<0.0025	
2/26/2024	<0.0025			0.00015 (J)					
2/27/2024		0.00032 (J)			<0.0025				
2/28/2024									<0.0025
8/1/2024			<0.0025						
8/2/2024				<0.0025	<0.0025	<0.0025	<0.0025		
8/5/2024	<0.0025	0.00013 (J)						<0.0025	<0.0025
2/19/2025	<0.0025							<0.0025	<0.0025
2/20/2025				9E-05 (J)	<0.0025	<0.0025			
2/21/2025		<0.0025	<0.0025				<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
2/19/2020				<0.0025				
2/9/2022	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
2/10/2022			<0.0025					<0.0025
8/22/2022					<0.0025			
8/23/2022		<0.0025	<0.0025					
8/24/2022	<0.0025			<0.0025		<0.0025	<0.0025	<0.0025
2/23/2023	<0.0025			<0.0025	<0.0025			
2/24/2023		<0.0025	<0.0025			<0.0025		<0.0025
2/28/2023							<0.0025	
8/1/2023	<0.0025		<0.0025					
8/2/2023		<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/23/2024							<0.0025	<0.0025
2/26/2024	<0.0025							
2/27/2024		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
8/1/2024	<0.0025						<0.0025	
8/2/2024						<0.0025		<0.0025
8/5/2024			<0.0025		<0.0025			
8/6/2024		<0.0025		<0.0025				
2/20/2025			<0.0025		<0.0025			
2/21/2025	<0.0025			<0.0025				
2/24/2025		<0.0025				<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	3	10.1	6.22		2.64	12.3	11.4		
5/11/2016				14.4				8.7	27.2
6/23/2016	2.42	8.45			1.65	11.3			
6/24/2016			5.55	14.2					
6/27/2016							9.16	7.48	27.9
8/16/2016	2.1	9.4	5		1.3	11			
8/17/2016				15			9.6	8	23
10/13/2016	2.7					12			
10/14/2016		10	5.4		1.4		11		
10/17/2016				16				8.6	
10/18/2016									24
12/5/2016						12			
12/6/2016	2.1	10	4.8	15	1.4		11	8.2	23
2/14/2017	1.8	11	4.6	17	1.4	13	12	7.2	24
4/10/2017						12			
4/11/2017	1.8	10	5	17	1.4		11		
4/12/2017								6.7	25
6/26/2017	1.7	10	4.9	18	1.5	13			
6/27/2017							9.5	6.2	23
10/10/2017	2.3	11				14			
10/11/2017			5.5	19	1.6		11	6.5	22
6/5/2018	2.6	11			1.5	13	9.7		
6/6/2018			4.1	18				4.2	19
12/13/2018	1.7	10	4.3	18	1.4	12	9.4		
12/14/2018								6.5	16
3/28/2019			4.8	17	1.4		8.7		
3/29/2019	2	11				12			
4/1/2019									18
4/2/2019								6.7	
9/12/2019					1.6				
9/13/2019						14			
9/16/2019	1.7	12	5.9	18			9.5	8.9	
9/17/2019									16
3/17/2020		11	5.3		1.7		8.8		
3/18/2020	1.8			18		14			
3/25/2020								11	
3/26/2020									21
9/14/2020	1.6	11	5.7	17	1.6	14	9.1	10	20
3/30/2021	2.2	12				15			
3/31/2021			5.5	17	1.6				
4/1/2021								11	22
4/7/2021							9.5		
8/17/2021	1.8	12		18			9.6		
8/18/2021			5.9		1.7	14		11	22
2/9/2022	1.8	11	6	18	1.8		9.3	11	16
2/10/2022						15			
8/17/2022	1.9	11							
8/18/2022			5.9	20	1.7	16	9.1		15
8/19/2022								12	
2/21/2023	2.2		6.4		1.8				
2/22/2023		11		20				10	15
2/23/2023						17	9.6		

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/1/2023	2.3	12			2.1			11	
8/7/2023			6.1	21					
8/8/2023						16	8.9		16
2/20/2024	1.7	13		23				11	
2/21/2024			5.7		1.5	16			14
2/27/2024							11		
7/31/2024	2.2	12	6.9	21	2.2	20	9.7		18
8/1/2024								14	
2/19/2025				21		18	11		17
2/20/2025	2.1	12	6.4		1.8			13	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	47.6	53.1	4.14	2.91	23.1				
5/12/2016						16.6	37.7	14.5	0.75
6/27/2016	47								
6/28/2016			3.13	2.19	21	14.4	35.8	14.7	0.768
6/29/2016		52.6							
8/17/2016	45		4.1	1.9					
8/18/2016					20	15	37	15	0.7
8/22/2016		57							
10/17/2016	47		4.2	2	21	15	37		
10/18/2016		53						16	0.75
12/6/2016	45		4.3	1.9	21	14			
12/7/2016		47					38	15	0.73
2/14/2017	49								
2/15/2017			1.5	1.9	23	17	45	17	
2/16/2017		55							0.81
4/12/2017	50		2.2	1.9	23	16	39	14	
4/13/2017		56							0.88
6/27/2017	50	53	3.1	1.9	22	15	38	16	0.76
10/11/2017				2	23	16	44		
10/12/2017	51	55	1.2					17	1.1
6/6/2018	51	54	1.2	1.8	22				
6/7/2018						15	44	16	0.84
10/16/2018				1.8				16	
12/14/2018	46				21	16	37		
12/17/2018		55	4						0.94
4/1/2019	45	50	4.2	1.7	20	17	39	16	
4/2/2019									0.92
9/16/2019		56		1.9	23				
9/17/2019	52		0.79			17	38	17	1
3/25/2020	48	55	2.9	2					
3/26/2020					22				
3/27/2020						18	41	17	1.5
9/14/2020	49	45	0.75	1.8	22	19			
9/15/2020							40	17	1.1
3/31/2021		47	2.3					17	
4/1/2021	52								1.2
4/6/2021							42		
4/7/2021				1.9	23	19			
8/18/2021	49								
8/19/2021		34	0.67	1.9		20	40	17	1.1
8/20/2021					23				
2/10/2022	53	37		1.9	23				1.2
2/11/2022			0.55			19		16	
2/14/2022							41		
8/18/2022	50	44		1.8	22	21			
8/19/2022			0.78				39	17	
8/31/2022									1.2
2/22/2023	41	36	2.2	1.7					
2/23/2023					21	20	37	14	1.3
8/2/2023				1.8		22			
8/7/2023		40	1		22			17	
8/8/2023	43						39		1.5

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/21/2024	38	36							
2/23/2024			0.98	2	24	25			
2/26/2024								18	1.7
2/27/2024							45		
8/1/2024	41	40		1.9	25	28	38	19	1.9
8/5/2024			2.7						
2/19/2025	39	29	4.3		25	31	37		1.9
2/20/2025				3.3				16	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	34.8			13.2	28.7	21.9	27.6		
5/13/2016		56.9	35.3						
6/29/2016	33.1		34.6	15.8	27.9	21.8	25.6		
6/30/2016		46.4							
8/18/2016	35								
8/19/2016						22	29		
8/22/2016		48	38	15	30				
10/18/2016			36	14	30	23	32		
10/19/2016	39	51							
12/7/2016	39	50			29	23	30		
12/8/2016			36	11					
2/15/2017	44						32		
2/16/2017		51	41	14	31	27			
4/13/2017	45	35	39	17	32	27	31		
6/27/2017	42								
6/28/2017		36	36	15	29	25	27		
10/12/2017	48	43	39	17	31	27	31		
6/7/2018	49			11	29	26	25		
6/8/2018		90	37						
10/18/2018		100		12					
12/14/2018	46								
12/17/2018			42		29	28	24		
1/2/2019		98							
1/10/2019									4.3
4/2/2019	46	89	38	14	27	26	23		
9/17/2019	51	87	44	14	30				
9/18/2019						27	26		
2/13/2020									3
3/23/2020			46	13	36				
3/24/2020	58					31	22		
3/26/2020		81							
9/15/2020	54	74	47	14	38	28	21		
3/30/2021		68	50	14	41				
3/31/2021						30	24		
4/1/2021	57								
8/18/2021	55	55			39	30	21		
8/19/2021			45	12					
2/8/2022								4.7	4
2/10/2022		55				27	23		
2/11/2022	58		46	13	36				
8/22/2022			42	13	36	28	22		
8/23/2022		52							4.6
8/24/2022								5	
8/31/2022	58								
2/22/2023	56	41	38	14					
2/23/2023					34	34	22	4.2	4.6
8/1/2023									4.3
8/2/2023								4.9	
8/7/2023	62	39	41	16		30			
8/8/2023					39		20		
2/20/2024			42						
2/21/2024						28	20	4.3	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/26/2024	68			18					
2/27/2024		41			41				
2/28/2024									4.6
8/1/2024			48						
8/2/2024				19	44	31	20		
8/5/2024	62	40						4.1	4.3
2/19/2025	79							5.8	5.2
2/20/2025				22	42	25			
2/21/2025		37	43				19		

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							21	
10/17/2018		22						
10/18/2018	33		120	120	64	44		
2/19/2020				120				
2/9/2022	35	22		120	68	54	20	
2/10/2022			150					46
8/22/2022					64			
8/23/2022		24	150					
8/24/2022	35			120		54	21	47
2/23/2023	38			140	70			
2/24/2023		26	150			61		48
2/28/2023							21	
8/1/2023	35		150					
8/2/2023		24		130	66	50	20	46
2/23/2024							22	47
2/26/2024	38							
2/27/2024		23	150	150	69	58		
8/1/2024	37						24	
8/2/2024						58		48
8/5/2024			130		70			
8/6/2024		21		150				
2/20/2025			140		77			
2/21/2025	34			170				
2/24/2025		24				54	25	49

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	1.9	1.51	3.45		1.98	1.94	2.77		
5/11/2016				1.93				2.44	9.65
6/23/2016	2.2	1.8			2.1	2.2			
6/24/2016			3.5	1.8					
6/27/2016							2.9	2.5	6.7
8/16/2016	2.1	1.5	3.4		1.8	2			
8/17/2016				1.4			2.4	2.4	6.4
10/13/2016	2					1.9			
10/14/2016		1.4	3.1		1.8		2.1		
10/17/2016				1.2				2.3	
10/18/2016									5.9
12/5/2016						1.9			
12/6/2016	2.2	1.5	3	1.3	1.8		1.7	2.3	5.9
2/14/2017	2	1.5	2.4	1.3	1.8	1.9	1.5	1.9	5.8
4/10/2017						1.8			
4/11/2017	1.8	1.3	2.5	1.2	1.7		1.7		
4/12/2017								1.6	5.6
6/26/2017	1.9	1.4	2.6	1.2	1.7	1.9			
6/27/2017							2.2	1.6	5.7
10/10/2017	1.8	1.3				1.8			
10/11/2017			2.4	1.1	1.6		1.7	1.6	5
6/5/2018	1.7	1.3			1.6	1.9	2		
6/6/2018			2	1.1				1.3	4.6
12/13/2018	1.7	1.3	2	1.2	1.7	2	1.9		
12/14/2018								1.8	4.2
3/28/2019			2	1.2	1.7		2.2		
3/29/2019	1.5	1.2				1.8			
4/1/2019									4.6
4/2/2019								2	
9/12/2019					1.5				
9/13/2019						1.7			
9/16/2019	1.8	1.3	2.2	1.2			1.9	1.9	
9/17/2019									3.8
3/17/2020		1.6	2.1		1.9		2.4		
3/18/2020	2			1.5		2.4			
3/25/2020								2.3	
3/26/2020									5.1
9/14/2020	2.1	1.5	2.5	1.5	1.9	2.5	2.7	2.8	5.8
3/30/2021	2.3	1.6				2.5			
3/31/2021			2.3	1.6	2.1				
4/1/2021								2.4	6
4/7/2021							2.3		
8/17/2021	1.9	1.6		1.6			2.6		
8/18/2021			2.4		2.2	2.7		2.5	5
2/9/2022	2	1.5	2.3	1.5	1.9		1.8	2.6	4
2/10/2022						2.4			
8/17/2022	2	1.5							
8/18/2022			2.4	1.6	2.1	3.1	1.9		3.5
8/19/2022								2.6	
2/21/2023	2		2.3		2				
2/22/2023		1.5		1.6				2.3	3.6
2/23/2023						3.3	1.9		

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/1/2023	2	1.4			1.9			2.2	
8/7/2023			2.2	1.2					
8/8/2023						3	1.6		3.4
2/20/2024	2.3	1.8		1.5				2.6	
2/21/2024			2.6		2.3	3.6			3.9
2/27/2024							2		
7/31/2024	2.5	1.7	2.3	1.3	2	3.4	1.9		3.5
8/1/2024								2.5	
2/19/2025				1.1		4.9	3.4		4.6
2/20/2025	1.8	1.3	2		1.9			2.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	12.6	9.29	9.53	8.87	9.04				
5/12/2016						6.29	11.1	9.47	8.56
6/27/2016	13								
6/28/2016			9.1	8.3	8.8	5.4	10	9.8	7.8
6/29/2016		9							
8/17/2016	14		9.4	8.6					
8/18/2016					9.3	5.8	11	10	8.5
8/22/2016		9.7							
10/17/2016	12		8.9	7.9	8.3	5.4	11		
10/18/2016		9.4						9.4	8
12/6/2016	12		8.9	7.9	8.9	5.6			
12/7/2016		11					11	9.8	8
2/14/2017	12								
2/15/2017			9	7.2	8.7	5.4	11	9.8	
2/16/2017		9.5							7.7
4/12/2017	11		8.5	7.5	8.6	5.6	10	9.2	
4/13/2017		8.7							7.5
6/27/2017	12	9.9	9.1	7.8	9.3	5.9	11	9.5	8
10/11/2017				7.4	8.8	5.7	10		
10/12/2017	11	11	8.5					9.2	7.6
6/6/2018	11	12	8.6	7.5	8.8				
6/7/2018						6.2	10	9.3	7.7
10/16/2018				7.8				10	
12/14/2018	11				9.1	7.5	10		
12/17/2018		13	8.6						8.1
4/1/2019	10	13	7.8	7.4	9	7.7	9.9	9.2	
4/2/2019									8.2
9/16/2019		14		7.9	9.3				
9/17/2019	12		9.7			8.4	11	10	8.4
3/25/2020	10	15	8.8	9					
3/26/2020					9.4				
3/27/2020						9	11	10	8.5
9/14/2020	14	19	10	8.9	10	11			
9/15/2020							11	10	8.6
3/31/2021		16	9.2					11	
4/1/2021	12								9.2
4/6/2021							11		
4/7/2021				8.8	9	10			
8/18/2021	14								
8/19/2021		18	9.3	9.9		12	11	11	9.5
8/20/2021					9.9				
2/10/2022	12	15		8.8	10				9.8
2/11/2022			11			12		12	
2/14/2022							14		
8/18/2022	13	17		9.9	9.5	12			
8/19/2022			9.2				13	11	
8/31/2022									9.6
2/22/2023	18	18	9	9.9					
2/23/2023					9.6	11	12	11	9.8
8/2/2023				10		13			
8/7/2023		15	9.1		9.5			12	
8/8/2023	24						14		9.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/21/2024	27	19							
2/23/2024			10	12	10	15			
2/26/2024								15	11
2/27/2024							15		
8/1/2024	23	17		11	11	16	15	14	9.8
8/5/2024			9.2						
2/19/2025	18	14	9.6		12	25	30		17
2/20/2025				12				11	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	9.11			10.8	7.93	10.6	9.63		
5/13/2016		4.87	8.16						
6/29/2016	8.3		7.6	11	7.7	9.7	8.8		
6/30/2016		4.7							
8/18/2016	8.8								
8/19/2016						11	9.6		
8/22/2016		5	8.2	11	7.9				
10/18/2016			7.7	10	7.1	10	9.6		
10/19/2016	8.3	5.1							
12/7/2016	8.4	5.6			7.7	10	9.7		
12/8/2016			7.8	9.7					
2/15/2017	8.1						10		
2/16/2017		7.4	7.4	9.8	7.4	9.8			
4/13/2017	7.9	8.9	7.5	10	7.4	9.6	9		
6/27/2017	8.3								
6/28/2017		10	7.9	12	8.1	10	9.6		
10/12/2017	8	7.4	7.4	11	8.1	9.7	9.3		
6/7/2018	8			9.9	8.6	10	10		
6/8/2018		9	7.2						
10/18/2018		16		11					
12/14/2018	8.1								
12/17/2018			7.3		9.3	10	9.9		
1/2/2019		18							
1/10/2019									3.3
4/2/2019	8.2	15	7.3	11	9.3	10	8.9		
9/17/2019	8.3	13	7.4	11	10				
9/18/2019						10	9.7		
2/13/2020									4.6
3/23/2020			7.7	10	11				
3/24/2020	7.8					10	9.1		
3/26/2020		12							
9/15/2020	8.4	11	7.7	11	12	11	10		
3/30/2021		11	8.3	9.9	13				
3/31/2021						11	11		
4/1/2021	9.2								
8/18/2021	8.9	15			13	11	11		
8/19/2021			9.4	10					
2/8/2022								8.9	4.1
2/10/2022		19				10	12		
2/11/2022	8.4		10	9.6	11				
8/22/2022			9.6	9.4	10	11	12		
8/23/2022		16							3.9
8/24/2022								9.3	
8/31/2022	8								
2/22/2023	8.1	13	10	8.8					
2/23/2023					8.9	11	12	10	4.8
8/1/2023									3.9
8/2/2023								9.7	
8/7/2023	7.8	10	9.9	9.3		11			
8/8/2023					7.7		12		
2/20/2024			12						
2/21/2024						12	14	11	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/26/2024	9.2			11					
2/27/2024		9.7 (J)			7.9				
2/28/2024									4.3
8/1/2024			1.2						
8/2/2024				10	7.9 (J)	11	10		
8/5/2024	7.8	7.8						1.3	4
2/19/2025	20							12	5.4
2/20/2025				6.3 (J)	5.5	10			
2/21/2025		<50	12				8		

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							4.3	
10/17/2018		8.3						
10/18/2018	5.5		9.3	6.8	12	6.3		
2/19/2020				6.7				
2/9/2022	6.9	5.8		6.8	11	7.5	2.5	
2/10/2022			10					12
8/22/2022					12			
8/23/2022		6.1	8.7					
8/24/2022	7			7		8.2	2.7	10
2/23/2023	7.4			8.1	13			
2/24/2023		6.9	8.9			7.8		9.2
2/28/2023							2.7	
8/1/2023	6.5		8.9					
8/2/2023		6.2		7.6	12	8.2	2.6	8.2
2/23/2024							3.1	9.7
2/26/2024	7.6							
2/27/2024		7	10	10	13	9.5		
8/1/2024	7.3						2.9	
8/2/2024						9.9 (J)		8.4
8/5/2024			12 (J)		3 (J)			
8/6/2024		6.5		8.7				
2/20/2025			<25		11			
2/21/2025	4.9 (J)			9.5 (J)				
2/24/2025		6.1				7.6	3.2	9.9

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.002	0.0142	0.00634 (J)		<0.002	0.00393 (J)	<0.0025		
5/11/2016				0.00217 (J)				<0.002	<0.002
6/23/2016	<0.002	0.0118			<0.002	0.0027 (J)			
6/24/2016			0.0053 (J)	0.0015 (J)					
6/27/2016							<0.0025	<0.002	<0.002
8/16/2016	<0.002	0.0099	0.0071		<0.002	0.0038			
8/17/2016				0.0011 (J)			<0.0025	<0.002	<0.002
10/13/2016	<0.002					0.0031			
10/14/2016		0.0045	0.0067		0.0012 (J)		<0.0025		
10/17/2016				0.0032				<0.002	
10/18/2016									<0.002
12/5/2016						0.0027			
12/6/2016	<0.002	0.0043	0.0063	0.0028	<0.002		<0.0025	<0.002	<0.002
2/14/2017	<0.002	0.014	0.0076	0.0046	<0.002	0.0037	<0.0025	<0.002	<0.002
4/10/2017						0.0037			
4/11/2017	<0.002	0.014	0.0098	0.005	<0.002		<0.0025		
4/12/2017								<0.002	<0.002
6/26/2017	<0.002	0.014	0.012	0.0061	0.0021 (J)	0.0047			
6/27/2017							<0.0025	<0.002	<0.002
3/26/2018	<0.002	0.013	0.012			0.0042			
3/27/2018				0.0058	<0.002		<0.0025	<0.002	<0.002
6/5/2018	0.0014 (J)	0.014			<0.002	0.0046	<0.0025		
6/6/2018			0.015	0.0048				<0.002	<0.002
10/5/2018	0.0014 (J)	0.016	0.015			0.0058			
10/8/2018				0.0098	0.0011 (J)		<0.0025	<0.002	
10/9/2018									<0.002
2/18/2019	0.0017 (J)	0.012		0.0059					
2/19/2019			0.014		<0.002	0.0038	<0.0025		
2/20/2019								<0.002	<0.002
3/28/2019			0.013	0.0046	<0.002		<0.0025		
3/29/2019	0.0017 (J)	0.014				0.0043			
4/1/2019									<0.002
4/2/2019								<0.002	
9/12/2019					0.0023 (J)				
9/13/2019						0.0056			
9/16/2019	0.0017 (J)	0.014	0.019	0.0064			0.0015 (J)	<0.002	
9/17/2019									<0.002
2/13/2020	<0.002	0.011				0.0036			
2/17/2020					<0.002		<0.0025		
2/18/2020			0.02	0.0062				<0.002	<0.002
3/17/2020		0.014	0.018		<0.002		<0.0025		
3/18/2020	0.0024			0.0047		0.0047			
3/25/2020								<0.002	
3/26/2020									<0.002
5/19/2020	<0.002	0.014	0.021	0.0058	<0.002	0.0051	<0.0025		
9/14/2020	<0.002	0.014	0.018	0.0054	<0.002	0.005	0.0021	<0.002	<0.002
2/9/2021	<0.002	0.014	0.019	0.0053	<0.002	0.0052	0.0023	<0.002	<0.002
3/30/2021	0.0026	0.014				0.0047			
3/31/2021			0.018	0.0037	<0.002				
4/1/2021								<0.002	<0.002
4/7/2021							0.0024		
8/17/2021	<0.002	0.013		0.0053			0.0047		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/18/2021			0.02		<0.002	0.0056		<0.002	0.0026
2/9/2022	0.0017 (J)	0.014	0.019	0.0048	<0.002		0.0023	<0.002	<0.002
2/10/2022						0.0048			
8/17/2022	0.0016 (J)	0.013							
8/18/2022			0.018	0.0064	0.0022	0.004	0.0028		<0.002
8/19/2022								<0.002	
2/21/2023	0.0025		0.023		0.0017 (J)				
2/22/2023		0.015		0.0058				<0.002	<0.002
2/23/2023						0.0058	0.0025		
8/1/2023	0.0029	0.014			0.0016 (J)			<0.002	
8/7/2023			0.024	0.0065					
8/8/2023						0.005	0.004		<0.002
2/20/2024	0.0024	0.015		0.0058				<0.002	
2/21/2024			0.023		0.0032	0.0068			0.002
2/27/2024							0.0027		
7/31/2024	0.0027	0.015	0.027	0.0064	0.0015 (J)	0.0053	0.004		<0.002
8/1/2024								<0.002	
2/19/2025				0.0056		0.006	0.0048		0.0014 (J)
2/20/2025	0.0033	0.015	0.027		0.0016 (J)			<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.002	<0.002	<0.002	<0.002	<0.002				
5/12/2016						<0.002	<0.002	0.0335	0.00943 (J)
6/27/2016	<0.002								
6/28/2016			<0.002	<0.002	<0.002	<0.002	0.0008 (J)	0.0339	0.0093 (J)
6/29/2016		<0.002							
8/17/2016	<0.002		<0.002	<0.002					
8/18/2016					<0.002	<0.002	<0.002	0.034	0.0085
8/22/2016		<0.002							
10/17/2016	<0.002		<0.002	<0.002	0.0023 (J)	<0.002	0.0012 (J)		
10/18/2016		<0.002						0.033	0.0088
12/6/2016	<0.002		<0.002	<0.002	<0.002	<0.002			
12/7/2016		<0.002					0.0012 (J)	0.032	0.0079
2/14/2017	<0.002								
2/15/2017			<0.002	<0.002	<0.002	<0.002	<0.002	0.03	
2/16/2017		<0.002							0.0097
4/12/2017	0.0011 (J)		<0.002	<0.002	<0.002	<0.002	<0.002	0.035	
4/13/2017		<0.002							0.0098
6/27/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.035	0.0096
3/27/2018	0.0012 (J)		<0.002	<0.002	<0.002	<0.002	<0.002	0.031	0.0098
3/28/2018		<0.002							
6/6/2018	0.0013 (J)	<0.002	<0.002	<0.002	<0.002				
6/7/2018						<0.002	<0.002	0.032	0.01
10/8/2018					<0.002	<0.002	<0.002		0.013
10/9/2018	0.0016 (J)	<0.002	<0.002						
10/16/2018				<0.002				0.032	
2/20/2019	0.0021 (J)	<0.002	<0.002	<0.002	<0.002	<0.002	0.0016 (J)	0.038	0.013
4/1/2019	0.0013 (J)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.032	
4/2/2019									0.01
9/16/2019		<0.002		<0.002	<0.002				
9/17/2019	0.0031		<0.002			0.0017 (J)	0.0026	0.037	0.013
2/18/2020	0.0015 (J)			<0.002					
2/19/2020		<0.002	<0.002		<0.002	<0.002	<0.002	0.038	0.014
3/25/2020	<0.002	<0.002	<0.002	<0.002					
3/26/2020					<0.002				
3/27/2020						<0.002	0.0019 (J)	0.034	0.011
9/14/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
9/15/2020							<0.002	0.034	0.012
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.035	0.012
3/31/2021		<0.002	<0.002					0.034	
4/1/2021	<0.002								0.012
4/6/2021							<0.002		
4/7/2021				<0.002	<0.002	<0.002			
8/18/2021	<0.002								
8/19/2021		<0.002	<0.002	<0.002		<0.002	<0.002	0.032	0.011
8/20/2021					<0.002				
2/10/2022	<0.002	<0.002		<0.002	<0.002				0.012
2/11/2022			<0.002			<0.002		0.032	
2/14/2022							<0.002		
8/18/2022	0.055	<0.002		<0.002	<0.002	<0.002			
8/19/2022			<0.002				0.0066	0.032	
8/31/2022									0.012
2/22/2023	0.0023	<0.002	<0.002	<0.002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.002	<0.002	<0.002	0.029	0.012
8/2/2023				<0.002		<0.002			
8/7/2023		0.0039	0.0012 (J)		<0.002			0.035	
8/8/2023	0.0028						0.0012 (J)		0.014
2/21/2024	0.0054	0.0017 (J)							
2/23/2024			<0.002	<0.002	<0.002	<0.002			
2/26/2024								0.035	0.013
2/27/2024							0.0014 (J)		
8/1/2024	0.0032	<0.002		<0.002	<0.002	<0.002	<0.002	0.037	0.014
8/5/2024			<0.002						
2/19/2025	0.003	<0.002	<0.002		<0.002	<0.002	0.0013 (J)		0.015
2/20/2025				<0.002				0.033	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	0.0077 (J)			<0.002	<0.002	<0.002	<0.002		
5/13/2016		0.00771 (J)	0.0151						
6/29/2016	0.0036 (J)		0.0141	0.0009 (J)	0.0012 (J)	0.0007 (J)	0.0013 (J)		
6/30/2016		0.007 (J)							
8/18/2016	0.0027								
8/19/2016						<0.002	<0.002		
8/22/2016		0.007	0.015	<0.002	<0.002				
10/18/2016			0.013	<0.002	<0.002	<0.002	<0.002		
10/19/2016	0.0048	0.0064							
12/7/2016	0.0027	0.0063			<0.002	<0.002	<0.002		
12/8/2016			0.013	<0.002					
2/15/2017	0.0044						<0.002		
2/16/2017		0.007	0.015	<0.002	<0.002	<0.002			
4/13/2017	0.0047	0.0061	0.016	<0.002	<0.002	<0.002	0.0014 (J)		
6/27/2017	0.0029								
6/28/2017		0.0059	0.016	<0.002	<0.002	<0.002	0.0025		
3/27/2018	0.0045						0.0012 (J)		
3/28/2018		0.0082	0.014	<0.002	<0.002	<0.002			
6/7/2018	0.0083			<0.002	<0.002	<0.002	<0.002		
6/8/2018		0.0086	0.015						
10/8/2018	0.0055				<0.002	0.0012 (J)	0.0017 (J)		
10/9/2018			0.017						
10/18/2018		0.009		<0.002					
1/2/2019		0.0078							
1/10/2019									0.0029
2/19/2019						<0.002	<0.002		
2/20/2019	0.0061	0.011	0.017	<0.002	0.0015 (J)				
4/2/2019	0.004	0.0092	0.014	<0.002	<0.002	0.0012 (J)	0.0011 (J)		
9/17/2019	0.0078	0.011	0.017	0.0022 (J)	0.0016 (J)				
9/18/2019						0.0024 (J)	0.0024 (J)		
2/13/2020									0.0022
2/18/2020				<0.002	<0.002	0.0015 (J)	<0.002		
2/19/2020	0.0045		0.017						
2/20/2020		0.011							
3/23/2020			0.015	<0.002	<0.002				
3/24/2020	0.0079					<0.002	<0.002		
3/26/2020		0.0096							
9/15/2020	0.0091	0.01	0.015	<0.002	0.002	0.0025	0.0017 (J)		
2/10/2021	0.008	0.01	0.015	<0.002	<0.002	0.0015 (J)	0.0017 (J)		
3/30/2021		0.0098	0.014	<0.002	<0.002				
3/31/2021						<0.002	0.0016 (J)		
4/1/2021	0.0046								
8/18/2021	0.012	0.019			0.0022	<0.002	0.0019 (J)		
8/19/2021			0.014	<0.002					
2/8/2022								0.003	0.0018 (J)
2/10/2022		0.01				<0.002	0.0015 (J)		
2/11/2022	0.0079		0.015	<0.002	<0.002				
8/22/2022			0.013	<0.002	0.0016 (J)	0.0022	0.0017 (J)		
8/23/2022		0.0095							0.0024
8/24/2022								0.0034	
8/31/2022	0.0088								
2/22/2023	0.0084	0.0096	0.013	<0.002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/23/2023					<0.002	<0.002	0.0016 (J)	0.0034	0.0022
8/1/2023									0.0021
8/2/2023								0.0027	
8/7/2023	0.0093	0.01	0.015	0.0016 (J)		0.0015 (J)			
8/8/2023					<0.002		0.0025		
2/20/2024			0.018						
2/21/2024						0.003	0.0031	0.0047	
2/26/2024	0.0078			0.0014 (J)					
2/27/2024		0.01			<0.002				
2/28/2024									0.0023
8/1/2024			0.016						
8/2/2024				0.0012 (J)	<0.002	<0.002	0.0019 (J)		
8/5/2024	0.0028	0.01						0.0025	0.0013 (J)
2/19/2025	0.0039							0.0036	0.0024
2/20/2025				0.0024	<0.002	0.0013 (J)			
2/21/2025		0.0098	0.015				0.0022		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							0.0046	
10/17/2018		0.0027						
10/18/2018	0.0049		<0.002	<0.0025	<0.002	<0.002		
2/19/2020				0.0058				
2/9/2022	0.0036	0.028		0.0058	<0.002	<0.002	<0.002	
2/10/2022			<0.002					<0.002
8/22/2022					0.003			
8/23/2022		0.014	<0.002					
8/24/2022	0.0037			0.0051		<0.002	<0.002	<0.002
2/23/2023	0.0042			0.0059	<0.002			
2/24/2023		0.03	<0.002			0.002		<0.002
2/28/2023							<0.002	
8/1/2023	0.0027		<0.002					
8/2/2023		0.026		0.0056	<0.002	0.0012 (J)	<0.002	<0.002
2/23/2024							0.0013 (J)	<0.002
2/26/2024	0.0033							
2/27/2024		0.021	<0.002	0.0058	<0.002	0.002		
8/1/2024	0.0029						<0.002	
8/2/2024						<0.002		<0.002
8/5/2024			<0.002		<0.002			
8/6/2024		0.021		0.005				
2/20/2025			<0.002		0.0012 (J)			
2/21/2025	0.0032			0.0059				
2/24/2025		0.023				0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	0.0184	<0.0025	<0.0025		<0.0025	<0.0025	0.0132		
5/11/2016				<0.0025				<0.0025	0.0116
6/23/2016	0.0168	0.0004 (J)			<0.0025	0.0004 (J)			
6/24/2016			<0.0025	<0.0025					
6/27/2016							0.0099 (J)	0.002 (J)	0.0143
8/16/2016	0.016	<0.0025	0.00051 (J)		<0.0025	<0.0025			
8/17/2016				0.00041 (J)			0.01	0.0018 (J)	0.012
10/13/2016	0.02					0.0004 (J)			
10/14/2016		<0.0025	<0.0025		<0.0025		0.013		
10/17/2016				<0.0025				0.0016 (J)	
10/18/2016									0.0099
12/5/2016						<0.0025			
12/6/2016	0.016	<0.0025	<0.0025	<0.0025	<0.0025		0.016	0.0012 (J)	0.011
2/14/2017	0.011	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.018	0.0022 (J)	0.0093
4/10/2017						<0.0025			
4/11/2017	0.0098	<0.0025	<0.0025	<0.0025	<0.0025		0.015		
4/12/2017								0.0023 (J)	0.0062
6/26/2017	0.01	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
6/27/2017							0.0088	0.0045	0.021
3/26/2018	0.0065	<0.0025	<0.0025			<0.0025			
3/27/2018				<0.0025	<0.0025		0.014	0.004	0.0054
6/5/2018	0.0028	<0.0025			<0.0025	<0.0025	0.0095		
6/6/2018			<0.0025	<0.0025				0.0021 (J)	0.0034
10/5/2018	0.00075 (J)	<0.0025	<0.0025			0.00058 (J)			
10/8/2018				<0.0025	<0.0025		0.0047	<0.0025	
10/9/2018									0.013
2/18/2019	0.0008 (J)	<0.0025		<0.0025					
2/19/2019			<0.0025		<0.0025	<0.0025	0.005		
2/20/2019								0.00011 (J)	0.0057
3/28/2019			<0.0025	<0.0025	<0.0025		0.0042		
3/29/2019	0.00072 (J)	<0.0025				<0.0025			
4/1/2019									0.0046
4/2/2019								<0.0025	
9/12/2019					<0.0025				
9/13/2019						0.00018 (J)			
9/16/2019	0.0014 (J)	<0.0025	<0.0025	<0.0025			0.0045	0.00013 (J)	
9/17/2019									0.0039
2/13/2020	0.0014 (J)	<0.0025				<0.0025			
2/17/2020					<0.0025		0.0044		
2/18/2020			<0.0025	<0.0025				<0.0025	0.0067
3/17/2020		<0.0025	<0.0025		<0.0025		0.0039		
3/18/2020	0.0021 (J)			0.00032 (J)		0.00016 (J)			
3/25/2020								0.00027 (J)	
3/26/2020									0.0033
9/14/2020	0.0013 (J)	<0.0025	<0.0025	<0.0025	<0.0025	0.00031 (J)	0.002 (J)	<0.0025	0.0063
2/9/2021	0.0013 (J)	<0.0025	<0.0025	<0.0025	<0.0025	0.00023 (J)	0.0011 (J)	<0.0025	0.0069
3/30/2021	0.0013 (J)	0.00021 (J)				<0.0025			
3/31/2021			<0.0025	<0.0025	<0.0025				
4/1/2021								<0.0025	0.0029
4/7/2021							0.0013 (J)		
8/17/2021	0.00072 (J)	<0.0025		<0.0025			0.0011 (J)		
8/18/2021			<0.0025		<0.0025	0.00057 (J)		0.00024 (J)	0.0021 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	0.00089 (J)	<0.0025	<0.0025	<0.0025	<0.0025		0.00045 (J)	<0.0025	0.0024 (J)
2/10/2022						<0.0025			
8/17/2022	0.00055 (J)	<0.0025							
8/18/2022			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		0.0012 (J)
8/19/2022								<0.0025	
2/21/2023	0.00071 (J)		<0.0025		<0.0025				
2/22/2023		<0.0025		<0.0025				0.0003 (J)	0.0014 (J)
2/23/2023						<0.0025	<0.0025		
8/1/2023	0.00072 (J)	<0.0025			<0.0025			<0.0025	
8/7/2023			<0.0025	<0.0025					
8/8/2023						<0.0025	<0.0025		0.00049 (J)
2/20/2024	0.0013 (J)	<0.0025		<0.0025				<0.0025	
2/21/2024			<0.0025		<0.0025	<0.0025			0.00032 (J)
2/27/2024							0.00078 (J)		
7/31/2024	0.00032 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		0.00034 (J)
8/1/2024								<0.0025	
2/19/2025				<0.0025		<0.0025	0.00045 (J)		0.00023 (J)
2/20/2025	0.00024 (J)	<0.0025	<0.0025		<0.0025			<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.00265 (J)	0.0156	0.0191	0.0378	0.00648 (J)				
5/12/2016						0.0145	0.00605 (J)	0.267	0.00303 (J)
6/27/2016	0.0012 (J)								
6/28/2016			0.0192	0.0332	0.0051 (J)	0.011	0.0115	0.255	0.0029 (J)
6/29/2016		0.0147							
8/17/2016	0.00049 (J)		0.022	0.03					
8/18/2016					0.0035	0.0099	0.011	0.26	0.0029
8/22/2016		0.017							
10/17/2016	<0.0025		0.05	0.032	0.003	0.01	0.017		
10/18/2016		0.017						0.28	0.0034
12/6/2016	<0.0025		0.04	0.029	0.0036	0.0079			
12/7/2016		0.014					0.0043	0.26	0.003
2/14/2017	<0.0025								
2/15/2017			0.038	0.029	0.004	0.0073	0.0059	0.24	
2/16/2017		0.014							0.0033
4/12/2017	<0.0025		0.018	0.028	0.0039	0.0078	0.017	0.28	
4/13/2017		0.014							0.0034
6/27/2017	<0.0025	0.013	0.014	0.029	0.0042	0.0068	0.013	0.29	0.0037
3/27/2018	<0.0025		0.026	0.024	0.0035	0.0035	0.0083	0.27	0.0037
3/28/2018		0.0087							
6/6/2018	<0.0025	0.0064	0.018	0.026	0.0038				
6/7/2018						0.0039	0.0025	0.3	0.0037
10/8/2018					0.0037	0.0036	0.0071		0.0044
10/9/2018	<0.0025	0.0049	0.03						
10/16/2018				0.023				0.27	
2/20/2019	0.00014 (J)	0.01	0.034	0.024	0.0032	0.004	0.011	0.26	0.0038
4/1/2019	<0.0025	0.01	0.025	0.021	0.0029	0.003	0.014	0.26	
4/2/2019									0.0041
9/16/2019		0.001 (J)		0.022	0.003				
9/17/2019	0.00013 (J)		0.022			0.0024 (J)	0.0096	0.27	0.0042
2/18/2020	<0.0025			0.018					
2/19/2020		0.0082	0.027		0.0027	0.0018 (J)	0.0099	0.28	0.0047
3/25/2020	0.00032 (J)	0.0064	0.029	0.024					
3/26/2020					0.0024 (J)				
3/27/2020						0.002 (J)	0.0093	0.28	0.0047
9/14/2020	<0.0025	0.00048 (J)	0.022	0.019	0.001 (J)	0.0022 (J)			
9/15/2020							0.0076	0.25	0.0043
2/9/2021	<0.0025	0.0032	0.03	0.019	0.0014 (J)	0.0024 (J)	0.0052	0.26	0.0045
3/31/2021		0.0046	0.026					0.26	
4/1/2021	<0.0025								0.0049
4/6/2021							0.0072		
4/7/2021				0.019	0.0017 (J)	0.0018 (J)			
8/18/2021	0.00021 (J)								
8/19/2021		0.00072 (J)	0.022	0.014		0.0021 (J)	0.0047	0.27	0.0051
8/20/2021					0.0019 (J)				
2/10/2022	<0.0025	0.0022 (J)		0.021	0.00079 (J)				0.0049
2/11/2022			0.023			0.0015 (J)		0.23	
2/14/2022							0.0065		
8/18/2022	0.00075 (J)	0.00084 (J)		0.012	0.001 (J)	0.0019 (J)			
8/19/2022			0.022				0.01	0.25	
8/31/2022									0.0054
2/22/2023	<0.0025	0.00062 (J)	0.025	0.023					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					0.0014 (J)	0.0016 (J)	0.0047	0.23	0.0056
8/2/2023				0.022		0.0016 (J)			
8/7/2023		0.00053 (J)	0.025		0.0013 (J)			0.26	
8/8/2023	<0.0025						0.0092		0.0069
2/21/2024	<0.0025	0.00066 (J)							
2/23/2024			0.03	0.022	0.0018 (J)	0.0015 (J)			
2/26/2024								0.27	0.0073
2/27/2024							0.0038		
8/1/2024	<0.0025	0.00068 (J)		0.018	0.0023 (J)	0.0022 (J)	0.014	0.3	0.0086
8/5/2024			0.023						
2/19/2025	<0.0025	0.00058 (J)	0.026		0.0018 (J)	0.0018 (J)	0.014		0.0082
2/20/2025				0.02				0.23	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.0025			0.261	<0.0025	0.00619 (J)	<0.0025		
5/13/2016		0.116	<0.0025						
6/29/2016	0.0007 (J)		0.0006 (J)	0.23	<0.0025	0.0051 (J)	<0.0025		
6/30/2016		0.112							
8/18/2016	0.00078 (J)								
8/19/2016						0.0045	<0.0025		
8/22/2016		0.13	0.00066 (J)	0.25	<0.0025				
10/18/2016			0.00095 (J)	0.26	<0.0025	0.0043	<0.0025		
10/19/2016	0.00094 (J)	0.14							
12/7/2016	0.00056 (J)	0.11			<0.0025	0.0034	<0.0025		
12/8/2016			0.00078 (J)	0.26					
2/15/2017	0.00069 (J)						<0.0025		
2/16/2017		0.11	0.00049 (J)	0.23	<0.0025	0.0031			
4/13/2017	0.00049 (J)	0.094	<0.0025	0.19	<0.0025	0.0031	<0.0025		
6/27/2017	0.00041 (J)								
6/28/2017		0.085	<0.0025	0.19	<0.0025	0.0029	<0.0025		
3/27/2018	<0.0025						<0.0025		
3/28/2018		0.16	<0.0025	0.18	<0.0025	0.0022 (J)			
6/7/2018	<0.0025			0.21	<0.0025	0.0022 (J)	<0.0025		
6/8/2018		0.19	<0.0025						
10/8/2018	0.00046 (J)				<0.0025	0.0021 (J)	<0.0025		
10/9/2018			<0.0025						
10/18/2018		0.21		0.16					
1/2/2019		0.11							
1/10/2019									<0.0025
2/19/2019						0.0018 (J)	<0.0025		
2/20/2019	0.00035 (J)	0.19	0.00012 (J)	0.18	0.00011 (J)				
4/2/2019	<0.0025	0.18	<0.0025	0.13	<0.0025	0.0018 (J)	<0.0025		
9/17/2019	0.00048 (J)	0.16	0.00013 (J)	0.13	8.7E-05 (J)				
9/18/2019						0.002 (J)	0.00013 (J)		
2/13/2020									0.00016 (J)
2/18/2020				0.12	0.00014 (J)	0.0018 (J)	<0.0025		
2/19/2020	0.00034 (J)		0.00015 (J)						
2/20/2020		0.14							
3/23/2020			<0.0025	0.22	0.00016 (J)				
3/24/2020	0.00044 (J)					0.0016 (J)	<0.0025		
3/26/2020		0.15							
9/15/2020	0.00041 (J)	0.12	0.00016 (J)	0.098	0.00022 (J)	0.0014 (J)	<0.0025		
9/18/2020								0.0057	
2/10/2021	0.00049 (J)	0.11	0.00013 (J)	0.17	0.00017 (J)	0.0015 (J)	<0.0025		
3/30/2021		0.11	<0.0025	0.15	0.00016 (J)				
3/31/2021						0.0011 (J)	<0.0025		
4/1/2021	0.00041 (J)								
4/2/2021								0.007	0.00019 (J)
8/18/2021	0.00043 (J)	0.095			0.00016 (J)	0.001 (J)	<0.0025		0.0003 (J)
8/19/2021			<0.0025	0.2					
8/20/2021								0.006	
2/8/2022								0.0052	0.00028 (J)
2/10/2022		0.09				0.0016 (J)	<0.0025		
2/11/2022	0.00036 (J)		0.00045 (J)	0.14	<0.0025				
8/22/2022			<0.0025	0.11	<0.0025	0.001 (J)	<0.0025		
8/23/2022		0.088							0.00046 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
8/24/2022								0.0059	
8/31/2022	0.00045 (J)								
2/22/2023	0.00043 (J)	0.072	<0.0025	0.082					
2/23/2023					<0.0025	0.00069 (J)	<0.0025	0.0057	<0.0025
8/1/2023									0.00039 (J)
8/2/2023								0.0057	
8/7/2023	0.00052 (J)	0.064	<0.0025	0.093		0.00087 (J)			
8/8/2023					<0.0025		<0.0025		
2/20/2024			<0.0025						
2/21/2024						0.00072 (J)	<0.0025	0.0053	
2/26/2024	0.0006 (J)			0.14					
2/27/2024		0.069			<0.0025				
2/28/2024									0.00033 (J)
8/1/2024			<0.0025						
8/2/2024				0.12	<0.0025	0.00077 (J)	<0.0025		
8/5/2024	0.00045 (J)	0.069						0.0051	0.00024 (J)
2/19/2025	0.00048 (J)							0.0036	0.00023 (J)
2/20/2025				0.15	<0.0025	0.00073 (J)			
2/21/2025		0.058	<0.0025				<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							0.0021 (J)	
10/17/2018		0.00051 (J)						
10/18/2018	<0.0025		0.0076	0.0092	0.0064	0.0086		
2/19/2020				0.0016 (J)				
4/2/2021		0.0003 (J)						
4/5/2021				0.0012 (J)				
4/7/2021						0.00097 (J)		
8/18/2021						0.00025 (J)		
8/19/2021		0.00028 (J)		0.0013 (J)				
2/9/2022	<0.0025	<0.0025		0.00093 (J)	0.00061 (J)	<0.0025	0.0024 (J)	
2/10/2022			0.0025					0.002 (J)
8/22/2022					0.0012 (J)			
8/23/2022		<0.0025	0.0029					
8/24/2022	<0.0025			0.001 (J)		<0.0025	0.0016 (J)	0.0013 (J)
2/23/2023	<0.0025			0.0004 (J)	<0.0025			
2/24/2023		<0.0025	0.0014 (J)			<0.0025		0.0021 (J)
2/28/2023							0.0019 (J)	
8/1/2023	<0.0025		0.0014 (J)					
8/2/2023		0.00033 (J)		0.00036 (J)	0.00041 (J)	<0.0025	0.0022 (J)	0.0032
2/23/2024							0.0017 (J)	0.003
2/26/2024	<0.0025							
2/27/2024		0.00023 (J)	0.0011 (J)	0.00032 (J)	0.00032 (J)	<0.0025		
8/1/2024	<0.0025						0.0027	
8/2/2024						<0.0025		0.0029
8/5/2024			0.00094 (J)		0.00025 (J)			
8/6/2024		<0.0025		<0.0025				
2/20/2025			0.00094 (J)		0.00035 (J)			
2/21/2025	<0.0025			0.00022 (J)				
2/24/2025		<0.0025				<0.0025	0.0014 (J)	0.0022 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	0.275 (U)	0.441	0.188 (U)		0.338 (U)	0.31 (U)	-0.013 (U)		
5/11/2016				0.284 (U)				0.0394 (U)	0.214 (U)
6/23/2016	0	0.155			0.358	0.455			
6/24/2016			1.2	0.974					
6/27/2016							0.667	0.624	0.581
8/16/2016	0.13 (U)	0.621	0.168 (U)		0.224 (U)	0.162 (U)			
8/17/2016				0.202 (U)			0.148 (U)	0.572	0.665
10/13/2016	0.309 (U)					0.327 (U)			
10/14/2016		0.765	0.345 (U)		0.999		0.448 (U)		
10/17/2016				0.114 (U)				0.307 (U)	
10/18/2016									0.453
12/5/2016						0.233 (U)			
12/6/2016	0.346 (U)	0.29 (U)	0.221 (U)	0.251 (U)	0.387 (U)		0.51	0.122 (U)	0.368 (U)
2/14/2017	0.352 (U)	0.111 (U)	-0.026 (U)	-0.0166 (U)	0.207 (U)	0.237 (U)	0.302 (U)	0.166 (U)	0.328 (U)
4/10/2017						0.00056 (U)			
4/11/2017	0.274 (U)	0.195 (U)	0.135 (U)	-0.168 (U)	0.219 (U)		-0.0184 (U)		
4/12/2017								0.355 (U)	0.206 (U)
6/26/2017	0.36	0.0975 (U)	0.332 (U)	0.184 (U)	0.151 (U)	-0.257 (U)			
6/27/2017							-0.0536 (U)	0.0783 (U)	0.598
3/26/2018	0.522	0.124 (U)	0.226 (U)			0.141 (U)			
3/27/2018				0.164 (U)	0.252 (U)		0.207 (U)	0.0443 (U)	0.546
6/5/2018	0.106 (U)	0.0496 (U)			0.255 (U)	0.163 (U)	-0.0364 (U)		
6/6/2018			0.175 (U)	0.308				0.127 (U)	0.165 (U)
10/5/2018	0.522	0.474	0.5			0.568			
10/8/2018				-0.0974 (U)	0.764		0.478	0.77	
10/9/2018									0.385
2/18/2019	0.362	0.25 (U)		0.0112 (U)					
2/19/2019			0.231 (U)		0.044 (U)	0.14 (U)	0.32 (U)		
2/20/2019								0.25 (U)	0.433
3/28/2019			0.31 (U)	0.0974 (U)	0.115 (U)		0.0254 (U)		
3/29/2019	0.311 (U)	-0.0232 (U)				0.0992 (U)			
4/1/2019									0.675
4/2/2019								0.3 (U)	
9/12/2019					0.102 (U)				
9/13/2019						0.339 (U)			
9/16/2019	0.157 (U)	-0.245 (U)	0.333 (U)	0.0843 (U)				0.0805 (U)	
9/17/2019									0.341 (U)
12/3/2019							-0.0712 (U)		
2/13/2020	0.152 (U)	0.205 (U)				0.287 (U)			
2/17/2020					-0.0291 (U)		-0.0319 (U)		
2/18/2020			0.313 (U)	0.199 (U)				-0.0675 (U)	0.326 (U)
3/17/2020		0.582 (U)	-0.0428 (U)		-0.196 (U)		0.436 (U)		
3/18/2020	0.21 (U)			0.226 (U)		0.536			
3/25/2020								0.411 (U)	
3/26/2020									0.151 (U)
9/14/2020	-0.13 (U)	0.107 (U)	0.161 (U)	0.0399 (U)	-0.949 (U)	0.637 (U)	-0.197 (U)	0.334 (U)	0.123 (U)
2/9/2021	0.225 (U)	0.0251 (U)	0.259 (U)	0.0123 (U)	0.0364 (U)	0.151 (U)	0.478	0.273 (U)	0.721
3/30/2021	0.408 (U)	0.311 (U)				-0.211 (U)			
3/31/2021			0.106 (U)	0.236 (U)	0.279 (U)				
4/1/2021								0.544	0.329 (U)
4/7/2021							0.0851 (U)		
8/17/2021	0.651	0.192 (U)		1.54			0.228 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/18/2021			0.228 (U)		0.242 (U)	0.16 (U)		-0.0332 (U)	0.726
2/9/2022	0.147 (U)	0.307 (U)	0.198 (U)	0.0285 (U)	0.416		0.15 (U)	0.145 (U)	0.659
2/10/2022						0.0512 (U)			
8/17/2022	0.751	-0.129 (U)							
8/18/2022			0.849	0.647	0.592	0.263 (U)	0.371 (U)		0.309 (U)
8/19/2022								0.243 (U)	
2/21/2023	0.00883 (U)		0.324 (U)		0.575 (U)				
2/22/2023		-0.0355 (U)		0.0211 (U)				0.0662 (U)	-0.191 (U)
2/23/2023						0.355 (U)	-0.132 (U)		
8/1/2023	-0.296 (U)	0.00501 (U)			-0.205 (U)			0.11 (U)	
8/7/2023			1.66	0.724					
8/8/2023						-0.107 (U)	0.114 (U)		0.12 (U)
2/20/2024	0.509	0.612		0.444 (U)				0.538	
2/21/2024			0.481 (U)		-0.217 (U)	-0.0298 (U)			0.22 (U)
2/27/2024							0.383 (U)		
7/31/2024	0.343 (U)	0.614 (U)	-0.0503 (U)	0.559 (U)	0.0251 (U)	0.343 (U)	0.11 (U)		0.501
8/1/2024								0.506 (U)	
2/19/2025				0.501 (U)		-0.0866 (U)	0.566		0.477 (U)
2/20/2025	0.271 (U)	0.715	0.237 (U)		0.654			0.271 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	2.05	0.134 (U)	0.26 (U)	0.182 (U)	0.433				
5/12/2016						0.0531 (U)	0.106 (U)	0.344 (U)	0.0196 (U)
6/27/2016	2.9								
6/28/2016			1.57	0.858	0.435	0.483	0.735	0.256	0.418
6/29/2016		0.665							
8/17/2016	2.57		0.548 (U)	0.367 (U)					
8/18/2016					0.214 (U)	0.286 (U)	0.212 (U)	0.503 (U)	0.199 (U)
8/22/2016		0.391 (U)							
10/17/2016	2.08		-0.0725 (U)	0.551	0.316 (U)	0.472	-0.187 (U)		
10/18/2016		0.521						0.171 (U)	0.0404 (U)
12/6/2016	2.25		0.496	0.438	0.0575 (U)	0.903			
12/7/2016		0.367 (U)					0.701	0.375 (U)	0.426
2/14/2017	1.77								
2/15/2017			0.321 (U)	-0.0831 (U)	-0.0321 (U)	-0.223 (U)	0.155 (U)	0.0801 (U)	
2/16/2017		0.076 (U)							0.163 (U)
4/12/2017	2.72		-0.0397 (U)	0.343 (U)	0.00949 (U)	0.21 (U)	0.233 (U)	0.197 (U)	
4/13/2017		0.239 (U)							0.0522 (U)
6/27/2017	2.07	0.268 (U)	0.47	0.369	0.183 (U)	0.0574 (U)	0.302	0.0274 (U)	0.222 (U)
3/27/2018	2.3		0.136 (U)	0.172 (U)	0.445	0.145 (U)	0.306 (U)	0.285 (U)	0.387 (U)
3/28/2018		0.378							
6/6/2018	1.59	-0.0272 (U)	0.123 (U)	0.153 (U)	0.0775 (U)				
6/7/2018						0.235 (U)	0.211 (U)	0.64	0.283 (U)
10/8/2018					0.865	0.64	0.636		0.799
10/9/2018	3.01	0.565	0.387						
10/16/2018				1.06				0.731	
2/20/2019	2.5	0.425	0.0159 (U)	0.708	0.161 (U)	0.222 (U)	0.147 (U)	0.573	0.0684 (U)
4/1/2019	1.91	-0.0113 (U)	0.452	0.173 (U)	0.372	0.36	-0.138 (U)	0.0499 (U)	
4/2/2019									0.167 (U)
9/16/2019		-0.116 (U)		0.251 (U)	0.569 (U)				
9/17/2019	2.04		0.226 (U)			0.143 (U)	0.264 (U)	0.441 (U)	0.558
2/18/2020	2.06			0.203 (U)					
2/19/2020		0.0604 (U)	0.0222 (U)		0.166 (U)	0.218 (U)	0.0061 (U)	0.415 (U)	0.0321 (U)
3/25/2020	2.99	0.206 (U)	0.253 (U)	0.204 (U)					
3/26/2020					0.604				
3/27/2020						0.235 (U)	0.206 (U)	0.39 (U)	0.305 (U)
9/14/2020	2.16	0.502 (U)	0.125 (U)	-0.0264 (U)	0.575	0.613			
9/15/2020							0.131 (U)	0.546	-0.0426 (U)
2/9/2021	2.92	0.0162 (U)	-0.0573 (U)	0.114 (U)	0.146 (U)	0.307 (U)	-0.121 (U)	0.222 (U)	-0.00967 (U)
3/31/2021		0.153 (U)	0.188 (U)					0.311 (U)	
4/1/2021	2.26								0.0901 (U)
4/6/2021							-0.0391 (U)		
4/7/2021				0.0576 (U)	0.0695 (U)	0.356 (U)			
8/18/2021	1.68								
8/19/2021		0.145 (U)	0.102 (U)	0.755		0.228 (U)	-0.0806 (U)	0.518	0.037 (U)
8/20/2021					0.0109 (U)				
2/10/2022	2.08	0.179 (U)		0.11 (U)	0.279 (U)				0.595
2/11/2022			0.436			0.631		0.5	
2/14/2022							0.377 (U)		
8/18/2022	2.58	0.275 (U)		0.393 (U)	0.384 (U)	0.377 (U)			
8/19/2022			0.606				0.378 (U)	0.459	
8/31/2022									0.31 (U)
2/22/2023	0.866	0.473 (U)	0.285 (U)	-0.172 (U)					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					0.784	0.506 (U)	0.0406 (U)	0.0665 (U)	0.183 (U)
8/2/2023				1.23		0.631			
8/7/2023		0.619	0.0602 (U)		0.366 (U)			0.819	
8/8/2023	1.75						0.177 (U)		0.0269 (U)
2/21/2024	1.29	-0.0257 (U)							
2/23/2024			0.587	0.189 (U)	0.612	0.242 (U)			
2/26/2024								0.353 (U)	0.633
2/27/2024							0.788		
8/1/2024	1.4	0.379 (U)		0.43 (U)	0.476 (U)	0.133 (U)	0.159 (U)	0.643	0.219 (U)
8/5/2024			0.411 (U)						
2/19/2025	1.11	0.132 (U)	0.792		-0.324 (U)	0.0616 (U)	0.0778 (U)		0.0992 (U)
2/20/2025				0.388 (U)				0.586 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	0.134 (U)			0.556	0.216 (U)	0.285 (U)	0.801		
5/13/2016		0.103 (U)	-0.115 (U)						
6/29/2016	0.391		0.396	0.162	0.253	1.1	0.423		
6/30/2016		0.593							
8/18/2016	0.498 (U)								
8/19/2016						0.367 (U)	0.869		
8/22/2016		0.17 (U)	-0.102 (U)	0.433 (U)	0.115 (U)				
10/18/2016			0.352 (U)	0.741	0.593	0.276 (U)	0.881		
10/19/2016	0.4795 (D)	0.433							
12/7/2016	0.239 (U)	0.435 (U)			0.897	0.318 (U)	0.455		
12/8/2016			0.431 (U)	1.06					
2/15/2017	0.175 (U)						0.635		
2/16/2017		0.101 (U)	0.146 (U)	0.382 (U)	0.132 (U)	0.168 (U)			
4/13/2017	-0.00846 (U)	-0.0014 (U)	0.127 (U)	0.189 (U)	0.287 (U)	0.3 (U)	0.413		
6/27/2017	0.186 (U)								
6/28/2017		0.512	0.11 (U)	0.84	0.143 (U)	0.0844 (U)	0.331 (U)		
3/27/2018	0.249 (U)						0.61		
3/28/2018		0.428	0.247 (U)	0.334 (U)	0.38	0.0661 (U)			
6/7/2018	0.172 (U)			0.235 (U)	0.514	0.222 (U)	0.64		
6/8/2018		0.32 (U)	0.0462 (U)						
10/8/2018	0.682				0.374	0.499	0.437		
10/9/2018			0.584						
10/18/2018		0.304 (U)		0.399					
1/2/2019		0.217 (U)							
1/10/2019									0.328 (U)
2/19/2019						0.532	0.301 (U)		
2/20/2019	0.278 (U)	0.139 (U)	0.114 (U)	0.353	0.239 (U)				
4/2/2019	-0.0476 (U)	0.336 (U)	0.11 (U)	0.271 (U)	0.218 (U)	0.313 (U)	0.516		
9/17/2019	0.235 (U)	0.449	0.302 (U)	0.591	-0.04 (U)				
9/18/2019						0.101 (U)	0.285 (U)		
2/18/2020				0.474	0.287 (U)	0.0109 (U)	0.399		0.163 (U)
2/19/2020	0.217 (U)		0.308 (U)						
2/20/2020		0.22 (U)							
3/23/2020			0.171 (U)	0.258 (U)	0.384				
3/24/2020	0.426					0.188 (U)	0.183 (U)		
3/26/2020		0.366 (U)							
9/15/2020	0.661	1.74	1.55	0.831	1.6	1.82	1.03		
2/10/2021	0.55	0.423 (U)	0.235 (U)	0.331 (U)	0.5	0.167 (U)	0.46		
3/30/2021		0.439 (U)	0.511	0.572	0.955				
3/31/2021						0.0687 (U)	0.37 (U)		
4/1/2021	0.0517 (U)								
8/18/2021	0.13 (U)	0.277 (U)			0.505	0.026 (U)	0.603		
8/19/2021			-0.0514 (U)	-0.21 (U)					
2/8/2022								-0.0564 (U)	0.0627 (U)
2/10/2022		0.244 (U)				0.346 (U)	0.204 (U)		
2/11/2022	0.233 (U)		0.456 (U)	0.259 (U)	0.689				
8/22/2022			0.356 (U)	0.475 (U)	0.565	0.632	0.0738 (U)		
8/23/2022		0.345 (U)							0.432 (U)
8/24/2022								0.234 (U)	
8/31/2022	0.434 (U)								
2/22/2023	0.0917 (U)	0.0285 (U)	0.297 (U)	0.154 (U)					
2/23/2023					0.526 (U)	0.322 (U)	0.314 (U)	-0.0151 (U)	0.413 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
8/1/2023									0.451 (U)
8/2/2023								0.262 (U)	
8/7/2023	0.262 (U)	-0.16 (U)	0.132 (U)	0.0467 (U)		0.268 (U)			
8/8/2023					0.496 (U)		0.0999 (U)		
2/20/2024			0.544						
2/21/2024						0.289 (U)	0.412 (U)	0.00672 (U)	
2/26/2024	0.559 (U)			0.357 (U)					
2/27/2024		0.591			2.32				
2/28/2024									0.103 (U)
8/1/2024			0.419 (U)						
8/2/2024				-0.0292 (U)	0.516 (U)	0.843 (U)	0.358 (U)		
8/5/2024	0.199 (U)	-0.0506 (U)						-0.0162 (U)	0.127 (U)
2/19/2025	0.173 (U)							0.124 (U)	0.371 (U)
2/20/2025				0.218 (U)	0.603 (U)	0.0727 (U)			
2/21/2025		-0.00614 (U)	-0.32 (U)				0.869		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							0.551 (U)	
10/17/2018		0.0623 (U)						
10/18/2018	0.882		1.59	0.698	0.188 (U)	1.64		
2/19/2020				0.216 (U)				
2/9/2022	0.31 (U)	0.332 (U)		0.229 (U)	0.274 (U)	0.412 (U)	0.237 (U)	
2/10/2022			0.366 (U)					0.418 (U)
8/22/2022					0.401 (U)			
8/23/2022		0.565	0.986					
8/24/2022	0.125 (U)			0.456		0.241 (U)	0.0981 (U)	0.458
2/23/2023	0.255 (U)			0.168 (U)	0.651			
2/24/2023		0.131 (U)	0.714			0.602		-0.097 (U)
2/28/2023							-0.0607 (U)	
8/1/2023	0.207 (U)		0.488 (U)					
8/2/2023		0.537 (U)		-0.192 (U)	0.426 (U)	0.256 (U)	-0.0242 (U)	0.374 (U)
2/23/2024							1.33	0.912
2/26/2024	5.77							
2/27/2024		0.503 (U)	1.88	0.0662 (U)	0.116 (U)	0.518 (U)		
5/6/2024	-0.0141 (U)							
8/1/2024	0.768						0.567	
8/2/2024						0.122 (U)		0.669
8/5/2024			0.228 (U)		0.324 (U)			
8/6/2024		-0.113 (U)		-0.145 (U)				
2/20/2025			0.363 (U)		1.35			
2/21/2025	-0.293 (U)			0.457 (U)				
2/24/2025		0.112 (U)				0.0441 (U)	0.0662 (U)	0.347 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.2	0.0537 (J)	0.0192 (J)		0.0188 (J)	0.0648 (J)	0.041 (J)		
5/11/2016				0.108 (J)				0.133 (J)	0.245 (J)
6/23/2016	<0.2	0.03 (J)			<0.2	0.05 (J)			
6/24/2016			0.02 (J)	0.08 (J)					
6/27/2016							0.03 (J)	0.21 (J)	0.23 (J)
8/16/2016	<0.2	<0.2	<0.2		<0.2	<0.2			
8/17/2016				<0.2			<0.2	0.14 (J)	0.22
10/13/2016	<0.2					<0.2			
10/14/2016		<0.2	<0.2		<0.2		<0.2		
10/17/2016				<0.2				0.11 (J)	
10/18/2016									0.24
12/5/2016						<0.2			
12/6/2016	<0.2	<0.2	<0.2	0.091 (J)	<0.2		<0.2	0.14 (J)	0.26
2/14/2017	<0.2	<0.2	<0.2	0.1 (J)	<0.2	<0.2	<0.2	0.2	0.17 (J)
4/10/2017						<0.2			
4/11/2017	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2		
4/12/2017								0.089 (J)	0.2
6/26/2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			
6/27/2017							<0.2	0.085 (J)	0.23
10/10/2017	<0.2	<0.2				<0.2			
10/11/2017			<0.2	<0.2	<0.2		<0.2	0.089 (J)	0.21
3/26/2018	<0.2	<0.2	<0.2			<0.2			
3/27/2018				<0.2	<0.2		<0.2	<0.2	0.19 (J)
6/5/2018	<0.2	<0.2			<0.2	<0.2	<0.2		
6/6/2018			<0.2	<0.2				<0.2	0.2
10/5/2018	<0.2	<0.2	<0.2			<0.2			
10/8/2018				<0.2	<0.2		<0.2	<0.2	
10/9/2018									0.2
2/18/2019	<0.2	0.05 (J)		0.066 (J)					
2/19/2019			<0.2		<0.2	0.06 (J)	0.044 (J)		
2/20/2019								0.092 (J)	0.2
3/28/2019			0.026 (J)	0.052 (J)	<0.2		0.037 (J)		
3/29/2019	<0.2	0.053 (J)				0.056 (J)			
4/1/2019									0.12 (J)
4/2/2019								0.1 (J)	
9/12/2019					<0.2				
9/13/2019						0.049 (J)			
9/16/2019	<0.2	0.054 (J)	0.026 (J)	0.055 (J)			0.04 (J)	0.099 (J)	
9/17/2019									0.2
2/13/2020	<0.2	0.051 (J)				0.066 (J)			
2/17/2020					<0.2		0.041 (J)		
2/18/2020			<0.2	0.068 (J)				0.11	0.2
3/17/2020		0.038 (J)	0.029 (J)		0.03 (J)		0.041 (J)		
3/18/2020	<0.2			<0.2		0.078 (J)			
3/25/2020								0.13	
3/26/2020									0.14
9/14/2020	<0.2	0.033 (J)	<0.2	0.035 (J)	<0.2	0.038 (J)	0.028 (J)	0.076 (J)	0.11
2/9/2021	<0.2	0.055 (J)	<0.2	0.059 (J)	<0.2	0.059 (J)	0.037 (J)	0.12	0.22
3/30/2021	<0.2	0.048 (J)				0.052 (J)			
3/31/2021			<0.2	0.051 (J)	<0.2				
4/1/2021								0.14	0.25
4/7/2021							0.054 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/17/2021	0.052 (J)	0.096 (J)		0.093 (J)			0.079 (J)		
8/18/2021			0.066 (J)		0.07 (J)	0.16		0.19	0.31
2/9/2022	0.034 (J)	0.11	0.049 (J)	0.083 (J)	0.044 (J)		0.069 (J)	0.19	0.27
2/10/2022						0.061 (J)			
8/17/2022	0.088 (J)	0.076 (J)							
8/18/2022			0.034 (J)	0.056 (J)	0.036 (J)	0.051 (J)	0.044 (J)		0.14
8/19/2022								0.12	
2/21/2023	0.048 (J)		0.041 (J)		0.039 (J)				
2/22/2023		0.07 (J)		0.6 (O)				0.11	0.16
2/23/2023						0.074 (J)	0.075 (J)		
8/1/2023	<0.2	0.077 (J)			<0.2			0.13	
8/7/2023			<0.2	0.07 (J)					
8/8/2023						0.077 (J)	0.048 (J)		0.21
2/20/2024	<0.2	<0.2		<0.2				<0.2	
2/21/2024			<0.2		<0.2	<0.2			<0.2
2/27/2024							<0.2		
7/31/2024	<0.2	0.05 (J)	<0.2	0.04 (J)	<0.2	0.06 (J)	<0.2		0.17
8/1/2024								0.11	
2/19/2025				<0.2		<0.2	<0.2		0.23
2/20/2025	<0.2	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	0.362	0.076 (J)	0.019 (J)	0.033 (J)	0.11 (J)				
5/12/2016						0.042 (J)	0.031 (J)	0.1071 (J)	0.011 (J)
6/27/2016	0.45								
6/28/2016			<0.2	0.08 (J)	0.18 (J)	0.15 (J)	0.03 (J)	0.26 (J)	0.09 (J)
6/29/2016		0.13 (J)							
8/17/2016	0.54		<0.2	<0.2					
8/18/2016					0.12 (J)	<0.2	<0.2	0.14 (J)	<0.2
8/22/2016		<0.2							
10/17/2016	0.51		<0.2	<0.2	0.082 (J)	<0.2	<0.2		
10/18/2016		<0.2						0.12 (J)	<0.2
12/6/2016	0.58		<0.2	<0.2	0.11 (J)	<0.2			
12/7/2016		<0.2					<0.2	0.13 (J)	<0.2
2/14/2017	0.39								
2/15/2017			<0.2	<0.2	0.13 (J)	<0.2	<0.2	0.12 (J)	
2/16/2017		0.097 (J)							<0.2
4/12/2017	0.41		<0.2	<0.2	0.088 (J)	<0.2	<0.2	0.11 (J)	
4/13/2017		<0.2							<0.2
6/27/2017	0.47	<0.2	<0.2	<0.2	0.1 (J)	<0.2	<0.2	0.13 (J)	<0.2
10/11/2017				<0.2	<0.2	<0.2	<0.2		
10/12/2017	0.47	<0.2	<0.2					0.13 (J)	<0.2
3/27/2018	0.4		<0.2	<0.2	<0.2	<0.2	<0.2	0.12 (J)	<0.2
3/28/2018		<0.2							
6/6/2018	0.4	<0.2	<0.2	<0.2	<0.2				
6/7/2018						<0.2	<0.2	0.14 (J)	<0.2
10/8/2018					<0.2	<0.2	<0.2		<0.2
10/9/2018	0.47	<0.2	<0.2						
10/16/2018				<0.2				0.14 (J)	
2/20/2019	0.32	0.074 (J)	<0.2	<0.2	0.052 (J)	<0.2	<0.2	0.33	<0.2
4/1/2019	0.21	0.041 (J)	<0.2	<0.2	0.048 (J)	<0.2	<0.2	0.072 (J)	
4/2/2019									<0.2
9/16/2019		0.057 (J)		<0.2	0.065 (J)				
9/17/2019	0.47		<0.2			0.04 (J)	0.028 (J)	0.1	<0.2
2/18/2020	0.38			<0.2					
2/19/2020		0.061 (J)	<0.2		0.064 (J)	0.027 (J)	0.026 (J)	0.13	<0.2
3/25/2020	0.31	0.079 (J)	0.031 (J)	0.058 (J)					
3/26/2020					0.081 (J)				
3/27/2020						0.045 (J)	0.041 (J)	0.13	0.027 (J)
9/14/2020	0.29	0.037 (J)	<0.2	<0.2	0.042 (J)	<0.2			
9/15/2020							0.04 (J)	0.15	0.037 (J)
2/9/2021	0.37	0.05 (J)	<0.2	<0.2	0.074 (J)	<0.2	<0.2	0.14	<0.2
3/31/2021		0.073 (J)	0.047 (J)					0.12	
4/1/2021	0.38								<0.2
4/6/2021							<0.2		
4/7/2021				<0.2	0.066 (J)	0.053 (J)			
8/18/2021	0.48								
8/19/2021		0.078 (J)	<0.2	<0.2		<0.2	<0.2	0.12	0.038 (J)
8/20/2021					0.082 (J)				
2/10/2022	0.44	0.098 (J)		<0.2	0.06 (J)				<0.2
2/11/2022			0.03 (J)			0.045 (J)		0.14	
2/14/2022							0.035 (J)		
8/18/2022	0.54	0.51		0.034 (J)	0.052 (J)	0.038 (J)			
8/19/2022			<0.2				<0.2	0.11	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
8/31/2022									0.058 (J)
2/22/2023	0.52	0.076 (J)	0.045 (J)	0.063 (J)					
2/23/2023					0.089 (J)	0.077 (J)	0.068 (J)	0.11	0.045 (J)
8/2/2023				<0.2		<0.2			
8/7/2023		0.11	<0.2		0.078 (J)			0.13	
8/8/2023	0.78						<0.2		<0.2
2/21/2024	1.1 (J)	<0.2							
2/23/2024			<0.2	<0.2	<0.2	<0.2			
2/26/2024								<0.2	<0.2
2/27/2024							<0.2		
8/1/2024	0.64	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
8/5/2024			<0.2						
2/19/2025	0.17 (J)	<0.2	<0.2		<0.2	<0.2	<0.2		<0.2
2/20/2025				<0.2				<0.2	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	0.066 (J)			0.259 (J)	0.079 (J)	0.029 (J)	0.0341 (J)		
5/13/2016		0.0343 (J)	0.0126 (J)						
6/29/2016	0.17 (J)		0.18 (J)	0.45	0.15 (J)	0.04 (J)	0.04 (J)		
6/30/2016		0.18 (J)							
8/18/2016	<0.2								
8/19/2016						<0.2	<0.2		
8/22/2016		<0.2	<0.2	0.33	0.083 (J)				
10/18/2016			<0.2	0.26	<0.2	<0.2	<0.2		
10/19/2016	<0.2	<0.2							
12/7/2016	<0.2	<0.2			<0.2	<0.2	<0.2		
12/8/2016			<0.2	0.28					
2/15/2017	0.089 (J)						0.092 (J)		
2/16/2017		<0.2	<0.2	0.28	0.12 (J)	0.1 (J)			
4/13/2017	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2		
6/27/2017	<0.2								
6/28/2017		<0.2	<0.2	0.22	0.1 (J)	<0.2	<0.2		
10/12/2017	<0.2	<0.2	<0.2	0.18 (J)	<0.2	<0.2	<0.2		
3/27/2018	<0.2						<0.2		
3/28/2018		<0.2	<0.2	0.19 (J)	<0.2	<0.2			
6/7/2018	<0.2			0.21	<0.2	<0.2	<0.2		
6/8/2018		<0.2	<0.2						
10/8/2018	<0.2				<0.2	<0.2	<0.2		
10/9/2018			<0.2						
10/18/2018		<0.2		0.23					
1/2/2019		<0.2							
1/10/2019									<0.2
2/19/2019						<0.2	0.055 (J)		
2/20/2019	0.034 (J)	<0.2	<0.2	0.2	0.051 (J)				
4/2/2019	0.045 (J)	0.05 (J)	<0.2	0.15 (J)	0.066 (J)	<0.2	0.036 (J)		
9/17/2019	0.047 (J)	0.034 (J)	<0.2	0.14	0.077 (J)				
9/18/2019						0.028 (J)	0.044 (J)		
2/13/2020									<0.2
2/18/2020				0.16	0.073 (J)	<0.2	0.082 (J)		
2/19/2020	0.046 (J)		<0.2						
2/20/2020		<0.2							
3/23/2020			0.057 (J)	0.25	0.11				
3/24/2020	0.058 (J)					<0.2	0.081 (J)		
3/26/2020		0.091 (J)							
9/15/2020	0.052 (J)	<0.2	<0.2	0.15	0.061 (J)	<0.2	0.052 (J)		
2/10/2021	0.03 (J)	<0.2	<0.2	0.19	0.049 (J)	<0.2	0.046 (J)		
3/30/2021		0.1 (J)	<0.2	0.18	0.074 (J)				
3/31/2021						<0.2	0.046 (J)		
4/1/2021	0.051 (J)								
8/18/2021	0.087 (J)	0.099 (J)			0.12	0.054 (J)	0.11		
8/19/2021			<0.2	0.17					
2/8/2022								<0.2	<0.2
2/10/2022		0.039 (J)				<0.2	0.066 (J)		
2/11/2022	0.064 (J)		<0.2	0.14	0.092 (J)				
8/22/2022			0.041 (J)	0.22	0.09 (J)	0.038 (J)	0.052 (J)		
8/23/2022		0.1 (J)							0.029 (J)
8/24/2022								0.069 (J)	
8/31/2022	0.058 (J)								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/22/2023	0.06 (J)	0.061 (J)	0.046 (J)	0.13					
2/23/2023					0.087 (J)	0.075 (J)	0.089 (J)	0.042 (J)	0.043 (J)
8/1/2023									<0.2
8/2/2023								<0.2	
8/7/2023	0.076 (J)	0.043 (J)	<0.2	0.18		0.04 (J)			
8/8/2023					0.097 (J)		0.077 (J)		
2/20/2024			<0.2						
2/21/2024						<0.2	<0.2	<0.2	
2/26/2024	<0.2			<0.2					
2/27/2024		<0.2			<0.2				
2/28/2024									<0.2
8/1/2024			<0.2						
8/2/2024				<0.2	<0.2	<0.2	0.082 (J)		
8/5/2024	<0.2	<0.2						<0.2	<0.2
2/19/2025	<0.2							<0.2	<0.2
2/20/2025				<0.2	<0.2	<0.2			
2/21/2025		<0.2	<0.2				<0.2		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							<0.2	
10/17/2018		0.087 (J)						
10/18/2018	<0.2		<0.2	<0.2	0.083 (J)	<0.2		
2/19/2020				<0.2				
2/9/2022	0.028 (J)	<0.2		<0.2	0.033 (J)	0.028 (J)	<0.2	
2/10/2022			<0.2					0.15
8/22/2022					0.043 (J)			
8/23/2022		0.043 (J)	0.036 (J)					
8/24/2022	0.046 (J)			0.035 (J)		0.037 (J)	0.031 (J)	0.21
2/23/2023	0.049 (J)			0.06 (J)	0.079 (J)			
2/24/2023		0.062 (J)	0.047 (J)			0.042 (J)		0.083 (J)
2/28/2023							0.034 (J)	
8/1/2023	0.052 (J)		<0.2					
8/2/2023		0.04 (J)		<0.2	0.053 (J)	<0.2	<0.2	0.087 (J)
2/23/2024							<0.2	<0.2
2/26/2024	<0.2							
2/27/2024		<0.2	<0.2	<0.2	<0.2	<0.2		
8/1/2024	<0.2						<0.2	
8/2/2024						<0.2		<0.2
8/5/2024			<0.2		<0.2			
8/6/2024		<0.2		<0.2				
2/20/2025			<0.2		<0.2			
2/21/2025	<0.2			<0.2				
2/24/2025		<0.2				<0.2	<0.2	<0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		
5/11/2016				<0.001				<0.001	<0.001
6/23/2016	<0.001	<0.001			<0.001	0.0001 (J)			
6/24/2016			<0.001	<0.001					
6/27/2016							<0.001	<0.001	<0.001
8/16/2016	<0.001	<0.001	<0.001		<0.001	<0.001			
8/17/2016				<0.001			<0.001	<0.001	0.00085 (J)
10/13/2016	<0.001					<0.001			
10/14/2016		<0.001	<0.001		<0.001		<0.001		
10/17/2016				<0.001				<0.001	
10/18/2016									<0.001
12/5/2016						<0.001			
12/6/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/14/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017						<0.001			
4/11/2017	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
4/12/2017								<0.001	<0.001
6/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
6/27/2017							<0.001	<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001			<0.001			
3/27/2018				<0.001	<0.001		<0.001	<0.001	<0.001
6/5/2018	<0.001	<0.001			<0.001	<0.001	<0.001		
6/6/2018			<0.001	<0.001				<0.001	<0.001
10/5/2018	<0.001	<0.001	<0.001			<0.001			
10/8/2018				<0.001	<0.001		<0.001	<0.001	
10/9/2018									<0.001
2/18/2019	<0.001	<0.001		<0.001					
2/19/2019			<0.001		<0.001	<0.001	<0.001		
2/20/2019								<0.001	<0.001
3/28/2019			<0.001	<0.001	<0.001		<0.001		
3/29/2019	<0.001	<0.001				<0.001			
4/1/2019									<0.001
4/2/2019								<0.001	
9/12/2019					<0.001				
9/13/2019						0.00014 (J)			
9/16/2019	<0.001	<0.001	0.00017 (J)	<0.001			<0.001	<0.001	
9/17/2019									<0.001
2/13/2020	<0.001	<0.001				<0.001			
2/17/2020					<0.001		<0.001		
2/18/2020			<0.001	<0.001				<0.001	<0.001
3/17/2020		<0.001	<0.001		<0.001		<0.001		
3/18/2020	0.00022 (J)			0.00021 (J)		0.00022 (J)			
3/25/2020								0.0002 (J)	
3/26/2020									<0.001
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	0.00014 (J)	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00014 (J)
3/30/2021	<0.001	<0.001				<0.001			
3/31/2021			<0.001	<0.001	<0.001				
4/1/2021								<0.001	0.00015 (J)
4/7/2021							<0.001		
8/17/2021	<0.001	<0.001		<0.001			<0.001		
8/18/2021			<0.001		0.0003 (J)	0.00023 (J)		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/10/2022						<0.001			
8/17/2022	0.00018 (J)	0.00044 (J)							
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
8/19/2022								<0.001	
2/21/2023	<0.001		<0.001		<0.001				
2/22/2023		<0.001		<0.001				<0.001	<0.001
2/23/2023						<0.001	<0.001		
8/1/2023	<0.001	<0.001			<0.001			<0.001	
8/7/2023			<0.001	<0.001					
8/8/2023						<0.001	<0.001		<0.001
2/20/2024	<0.001	<0.001		<0.001				<0.001	
2/21/2024			<0.001		<0.001	<0.001			<0.001
2/27/2024							<0.001		
7/31/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
8/1/2024								<0.001	
2/19/2025				<0.001		<0.001	<0.001		<0.001
2/20/2025	<0.001	<0.001	<0.001		<0.001			0.00054 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
5/12/2016						<0.001	<0.001	<0.001	<0.001
6/27/2016	<0.001								
6/28/2016			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/29/2016		<0.001							
8/17/2016	<0.001		<0.001	<0.001					
8/18/2016					<0.001	<0.001	<0.001	<0.001	<0.001
8/22/2016		<0.001							
10/17/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		
10/18/2016		<0.001						<0.001	<0.001
12/6/2016	<0.001		<0.001	<0.001	<0.001	<0.001			
12/7/2016		<0.001					<0.001	<0.001	<0.001
2/14/2017	<0.001								
2/15/2017			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/16/2017		<0.001							<0.001
4/12/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4/13/2017		<0.001							<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2018	<0.001		<0.001	<0.001	<0.001	0.00039 (J)	<0.001	<0.001	<0.001
3/28/2018		<0.001							
6/6/2018	<0.001	<0.001	<0.001	<0.001	<0.001				
6/7/2018						<0.001	<0.001	<0.001	<0.001
10/8/2018					<0.001	<0.001	<0.001		<0.001
10/9/2018	<0.001	<0.001	<0.001						
10/16/2018				<0.001				<0.001	
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4/2/2019									<0.001
9/16/2019		<0.001		<0.001	<0.001				
9/17/2019	<0.001		0.00013 (J)			<0.001	0.00016 (J)	<0.001	<0.001
2/18/2020	<0.001			<0.001					
2/19/2020		<0.001	0.00014 (J)		<0.001	<0.001	<0.001	<0.001	<0.001
3/25/2020	0.00029 (J)	<0.001	<0.001	<0.001					
3/26/2020					<0.001				
3/27/2020						<0.001	0.00066 (J)	0.00023 (J)	0.00013 (J)
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
9/15/2020							<0.001	<0.001	<0.001
2/9/2021	0.00062 (J)	<0.001	0.00013 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/31/2021		<0.001	<0.001					<0.001	
4/1/2021	<0.001								<0.001
4/6/2021							<0.001		
4/7/2021				<0.001	<0.001	<0.001			
8/18/2021	<0.001								
8/19/2021		<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001
8/20/2021					<0.001				
2/10/2022	<0.001	<0.001		<0.001	0.0002 (J)				<0.001
2/11/2022			<0.001			<0.001		<0.001	
2/14/2022							<0.001		
8/18/2022	<0.001	<0.001		<0.001	<0.001	<0.001			
8/19/2022			<0.001				0.00028 (J)	<0.001	
8/31/2022									<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.001	<0.001	<0.001	<0.001	<0.001
8/2/2023				<0.001		<0.001			
8/7/2023		<0.001	<0.001		<0.001			<0.001	
8/8/2023	<0.001						<0.001		<0.001
2/21/2024	<0.001	<0.001							
2/23/2024			<0.001	<0.001	<0.001	0.00038 (J)			
2/26/2024								<0.001	<0.001
2/27/2024							<0.001		
8/1/2024	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/5/2024			<0.001						
2/19/2025	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
2/20/2025				<0.001				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.001			<0.001	<0.001	<0.001	<0.001		
5/13/2016		<0.001	<0.001						
6/29/2016	<0.001		<0.001	0.0005 (J)	9E-05 (J)	<0.001	9E-05 (J)		
6/30/2016		<0.001							
8/18/2016	<0.001								
8/19/2016						<0.001	<0.001		
8/22/2016		<0.001	<0.001	<0.001	<0.001				
10/18/2016			<0.001	<0.001	<0.001	<0.001	<0.001		
10/19/2016	<0.001	<0.001							
12/7/2016	<0.001	<0.001			<0.001	<0.001	<0.001		
12/8/2016			<0.001	<0.001					
2/15/2017	<0.001						<0.001		
2/16/2017		<0.001	<0.001	0.00035 (J)	<0.001	<0.001			
4/13/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
6/27/2017	<0.001								
6/28/2017		<0.001	<0.001	0.00041 (J)	<0.001	<0.001	<0.001		
3/27/2018	<0.001						<0.001		
3/28/2018		<0.001	<0.001	<0.001	<0.001	<0.001			
6/7/2018	<0.001			<0.001	<0.001	<0.001	<0.001		
6/8/2018		<0.001	<0.001						
10/8/2018	<0.001				<0.001	<0.001	<0.001		
10/9/2018			<0.001						
10/18/2018		<0.001		<0.001					
1/2/2019		<0.001							
1/10/2019									<0.001
2/19/2019						<0.001	<0.001		
2/20/2019	<0.001	<0.001	<0.001	0.00027 (J)	<0.001				
4/2/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
9/17/2019	<0.001	<0.001	<0.001	0.00025 (J)	<0.001				
9/18/2019						<0.001	<0.001		
2/13/2020									<0.001
2/18/2020				0.00025 (J)	<0.001	0.00018 (J)	<0.001		
2/19/2020	<0.001		<0.001						
2/20/2020		<0.001							
3/23/2020			<0.001	0.00023 (J)	<0.001				
3/24/2020	<0.001					<0.001	<0.001		
3/26/2020		<0.001							
9/15/2020	<0.001	<0.001	<0.001	0.00017 (J)	0.00022 (J)	0.00019 (J)	<0.001		
2/10/2021	0.00017 (J)	0.00029 (J)	<0.001	0.0003 (J)	0.00016 (J)	0.00016 (J)	<0.001		
3/30/2021		<0.001	<0.001	0.00018 (J)	0.0002 (J)				
3/31/2021						0.00015 (J)	<0.001		
4/1/2021	<0.001								
8/18/2021	<0.001	0.00071 (J)			0.00041 (J)	<0.001	<0.001		
8/19/2021			<0.001	0.00034 (J)					
2/8/2022								<0.001	<0.001
2/10/2022		<0.001				<0.001	<0.001		
2/11/2022	<0.001		0.00033 (J)	0.00021 (J)	<0.001				
8/22/2022			<0.001	0.00028 (J)	0.0002 (J)	0.00017 (J)	<0.001		
8/23/2022		<0.001							<0.001
8/24/2022								<0.001	
8/31/2022	<0.001								
2/22/2023	<0.001	<0.001	<0.001	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/23/2023					<0.001	<0.001	<0.001	<0.001	<0.001
8/1/2023									<0.001
8/2/2023								<0.001	
8/7/2023	<0.001	<0.001	<0.001	<0.001		<0.001			
8/8/2023					<0.001		<0.001		
2/20/2024			<0.001						
2/21/2024						<0.001	<0.001	<0.001	
2/26/2024	<0.001			<0.001					
2/27/2024		<0.001			<0.001				
2/28/2024									<0.001
8/1/2024			<0.001						
8/2/2024				<0.001	<0.001	<0.001	<0.001		
8/5/2024	<0.001	<0.001						<0.001	<0.001
2/19/2025	<0.001							0.00069 (J)	<0.001
2/20/2025				<0.001	0.0047	<0.001			
2/21/2025		<0.001	<0.001				<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							<0.001	
10/17/2018		<0.001						
10/18/2018	<0.001		<0.001	<0.001	<0.001	<0.001		
2/19/2020				<0.001				
2/9/2022	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	
2/10/2022			<0.001					<0.001
8/22/2022					0.00019 (J)			
8/23/2022		<0.001	<0.001					
8/24/2022	<0.001			<0.001		<0.001	<0.001	<0.001
2/23/2023	<0.001			<0.001	<0.001			
2/24/2023		<0.001	<0.001			<0.001		<0.001
2/28/2023							<0.001	
8/1/2023	<0.001		<0.001					
8/2/2023		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
2/23/2024							<0.001	<0.001
2/26/2024	<0.001							
2/27/2024		<0.001	<0.001	<0.001	<0.001	<0.001		
8/1/2024	<0.001						<0.001	
8/2/2024						<0.001		<0.001
8/5/2024			<0.001		<0.001			
8/6/2024		<0.001		<0.001				
2/20/2025			<0.001		<0.001			
2/21/2025	<0.001			<0.001				
2/24/2025		<0.001				<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		
5/11/2016				<0.005				<0.005	<0.005
6/23/2016	0.0013 (J)	<0.005			<0.005	<0.005			
6/24/2016			<0.005	<0.005					
6/27/2016							<0.005	<0.005	0.0031 (J)
8/16/2016	<0.005	<0.005	<0.005		<0.005	<0.005			
8/17/2016				<0.005			<0.005	<0.005	0.0046 (J)
10/13/2016	<0.005					<0.005			
10/14/2016		<0.005	<0.005		<0.005		<0.005		
10/17/2016				<0.005				<0.005	
10/18/2016									0.0036 (J)
12/5/2016						<0.005			
12/6/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	0.0043 (J)
2/14/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0043 (J)
4/10/2017						<0.005			
4/11/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
4/12/2017								<0.005	0.0051
6/26/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
6/27/2017							<0.005	<0.005	0.0033 (J)
3/26/2018	0.0024 (J)	<0.005	0.0013 (J)			<0.005			
3/27/2018				<0.005	0.0017 (J)		<0.005	<0.005	0.0061
6/5/2018	0.0018 (J)	<0.005			<0.005	0.0011 (J)	0.0015 (J)		
6/6/2018			<0.005	<0.005				<0.005	0.004 (J)
10/5/2018	0.0018 (J)	<0.005	<0.005			0.0012 (J)			
10/8/2018				<0.005	<0.005		<0.005	<0.005	
10/9/2018									0.0053
2/18/2019	<0.005	<0.005		<0.005					
2/19/2019			<0.005		<0.005	<0.005	<0.005		
2/20/2019								<0.005	0.006
3/28/2019			<0.005	<0.005	<0.005		<0.005		
3/29/2019	<0.005	<0.005				<0.005			
4/1/2019									0.0058
4/2/2019								<0.005	
9/12/2019					<0.005				
9/13/2019						<0.005			
9/16/2019	0.0034	<0.005	<0.005	<0.005			<0.005	<0.005	
9/17/2019									0.0049
2/13/2020	<0.005	<0.005				<0.005			
2/17/2020					<0.005		<0.005		
2/18/2020			<0.005	<0.005				<0.005	0.0052
3/17/2020		<0.005	<0.005		<0.005		<0.005		
3/18/2020	<0.005			<0.005		<0.005			
3/25/2020								<0.005	
3/26/2020									0.006
9/14/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0051
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0052
3/30/2021	<0.005	<0.005				<0.005			
3/31/2021			<0.005	<0.005	<0.005				
4/1/2021								<0.005	0.0053
4/7/2021							<0.005		
8/17/2021	<0.005	<0.005		<0.005			<0.005		
8/18/2021			<0.005		<0.005	<0.005		<0.005	0.0034 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	0.0011 (J)	<0.005	<0.005	<0.005	0.00094 (J)		<0.005	0.0013 (J)	0.0048 (J)
2/10/2022						<0.005			
8/17/2022	0.0035 (J)	0.0016 (J)							
8/18/2022			0.0012 (J)	0.00086 (J)	0.0019 (J)	0.0015 (J)	0.0014 (J)		0.0061
8/19/2022								0.0023 (J)	
2/21/2023	0.0022 (J)		<0.005		0.002 (J)				
2/22/2023		<0.005		<0.005				<0.005	0.0056
2/23/2023						0.0022 (J)	0.002 (J)		
8/1/2023	<0.005	<0.005			<0.005			<0.005	
8/7/2023			<0.005	<0.005					
8/8/2023						<0.005	<0.005		0.0041 (J)
2/20/2024	0.0051	0.0025 (J)		<0.005				0.0046 (J)	
2/21/2024			<0.005		<0.005	<0.005			0.003 (J)
2/27/2024							0.0023 (J)		
7/31/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		0.002 (J)
8/1/2024								0.004 (J)	
2/19/2025				0.0037 (J)		<0.005	0.0033 (J)		0.0063
2/20/2025	<0.005	<0.005	<0.005		0.0031 (J)			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
5/12/2016						<0.005	<0.005	<0.005	<0.005
6/27/2016	0.0013 (J)								
6/28/2016			<0.005	0.0013 (J)	<0.005	<0.005	<0.005	0.0024 (J)	<0.005
6/29/2016		<0.005							
8/17/2016	<0.005		<0.005	<0.005					
8/18/2016					<0.005	<0.005	<0.005	<0.005	<0.005
8/22/2016		<0.005							
10/17/2016	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005		
10/18/2016		<0.005						<0.005	<0.005
12/6/2016	<0.005		<0.005	<0.005	<0.005	<0.005			
12/7/2016		<0.005					<0.005	<0.005	<0.005
2/14/2017	<0.005								
2/15/2017			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/16/2017		<0.005							<0.005
4/12/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
4/13/2017		<0.005							<0.005
6/27/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/27/2018	0.0023 (J)		<0.005	0.0029 (J)	<0.005	<0.005	<0.005	0.0034 (J)	<0.005
3/28/2018		<0.005							
6/6/2018	0.0018 (J)	<0.005	<0.005	0.0017 (J)	<0.005				
6/7/2018						<0.005	<0.005	0.003 (J)	<0.005
10/8/2018					<0.005	0.0014 (J)	0.0011 (J)		0.0015 (J)
10/9/2018	0.002 (J)	<0.005	<0.005						
10/16/2018				0.0031 (J)				0.0034 (J)	
2/20/2019	<0.005	<0.005	<0.005	0.0031 (J)	<0.005	<0.005	<0.005	0.0038 (J)	<0.005
4/1/2019	0.0021 (J)	<0.005	<0.005	0.0017 (J)	0.0011 (J)	<0.005	<0.005	0.0025 (J)	
4/2/2019									<0.005
9/16/2019		<0.005		<0.005	<0.005				
9/17/2019	<0.005		<0.005			<0.005	<0.005	0.0037	<0.005
2/18/2020	<0.005			<0.005					
2/19/2020		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<0.005	<0.005	<0.005	<0.005					
3/26/2020					<0.005				
3/27/2020						<0.005	<0.005	0.0038 (J)	<0.005
9/14/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/15/2020							<0.005	0.0037 (J)	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/31/2021		<0.005	<0.005					<0.005	
4/1/2021	<0.005								<0.005
4/6/2021							<0.005		
4/7/2021				<0.005	<0.005	<0.005			
8/18/2021	<0.005								
8/19/2021		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
8/20/2021					<0.005				
2/10/2022	0.0015 (J)	<0.005		0.0022 (J)	<0.005				<0.005
2/11/2022			<0.005			<0.005		0.0027 (J)	
2/14/2022							<0.005		
8/18/2022	0.0025 (J)	0.0014 (J)		0.0033 (J)	0.0012 (J)	0.0012 (J)			
8/19/2022			0.0011 (J)				0.0015 (J)	0.0038 (J)	
8/31/2022									0.0012 (J)
2/22/2023	0.0014 (J)	<0.005	<0.005	0.0024 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.005	<0.005	<0.005	0.0022 (J)	<0.005
8/2/2023				<0.005		<0.005			
8/7/2023		<0.005	<0.005		<0.005			<0.005	
8/8/2023	<0.005						<0.005		<0.005
2/21/2024	<0.005	<0.005							
2/23/2024			<0.005	<0.005	<0.005	<0.005			
2/26/2024								<0.005	<0.005
2/27/2024							0.0021 (J)		
8/1/2024	<0.005	<0.005		0.0059	<0.005	0.0026 (J)	<0.005	0.0042 (J)	<0.005
8/5/2024			<0.005						
2/19/2025	<0.005	<0.005	<0.005		<0.005	0.0025 (J)	0.0035 (J)		0.0038 (J)
2/20/2025				0.0043 (J)				0.0038 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.005			<0.005	<0.005	<0.005	<0.005		
5/13/2016		<0.005	<0.005						
6/29/2016	<0.005		<0.005	0.0043 (J)	<0.005	<0.005	0.0027 (J)		
6/30/2016		0.0032 (J)							
8/18/2016	<0.005								
8/19/2016						<0.005	<0.005		
8/22/2016		<0.005	<0.005	0.0051	<0.005				
10/18/2016			<0.005	0.0038 (J)	<0.005	<0.005	0.0032 (J)		
10/19/2016	<0.005	0.0042 (J)							
12/7/2016	<0.005	<0.005			<0.005	<0.005	0.0043 (J)		
12/8/2016			<0.005	0.0043 (J)					
2/15/2017	<0.005						<0.005		
2/16/2017		0.0034 (J)	<0.005	0.0047 (J)	<0.005	<0.005			
4/13/2017	<0.005	<0.005	<0.005	0.004 (J)	<0.005	<0.005	0.0036 (J)		
6/27/2017	<0.005								
6/28/2017		<0.005	<0.005	0.0032 (J)	<0.005	<0.005	0.0032 (J)		
3/27/2018	0.0014 (J)						0.005		
3/28/2018		0.0056	<0.005	0.0053	0.0038 (J)	0.0033 (J)			
6/7/2018	<0.005			0.0038 (J)	0.0013 (J)	<0.005	0.0027 (J)		
6/8/2018		0.0042 (J)	0.0022 (J)						
10/8/2018	<0.005				0.0019 (J)	0.0011 (J)	0.0035 (J)		
10/9/2018			<0.005						
10/18/2018		0.0054		0.0062					
1/2/2019		0.0055							
1/10/2019									<0.005
2/19/2019						<0.005	<0.005		
2/20/2019	<0.005	0.0054	<0.005	0.0048 (J)	<0.005				
4/2/2019	<0.005	0.0041 (J)	0.0021 (J)	0.0046 (J)	0.0027 (J)	0.0026 (J)	0.0041 (J)		
9/17/2019	<0.005	0.005	<0.005	0.0042	<0.005				
9/18/2019						<0.005	0.0043		
2/13/2020									<0.005
2/18/2020				0.0036 (J)	<0.005	<0.005	<0.005		
2/19/2020	<0.005		<0.005						
2/20/2020		0.0045 (J)							
3/23/2020			<0.005	0.0045 (J)	<0.005				
3/24/2020	<0.005					<0.005	<0.005		
3/26/2020		0.0046 (J)							
9/15/2020	<0.005	0.0049 (J)	<0.005	0.0037 (J)	<0.005	<0.005	<0.005		
2/10/2021	<0.005	0.0055	<0.005	0.0047 (J)	<0.005	<0.005	<0.005		
3/30/2021		0.0043 (J)	<0.005	<0.005	<0.005				
3/31/2021						<0.005	<0.005		
4/1/2021	<0.005								
4/2/2021									<0.005
8/18/2021	<0.005	0.0047 (J)			<0.005	<0.005	<0.005		<0.005
8/19/2021			<0.005	0.0046 (J)					
2/8/2022								0.0025 (J)	0.0015 (J)
2/10/2022		0.0039 (J)				<0.005	0.0029 (J)		
2/11/2022	<0.005		0.0072	0.0037 (J)	0.0011 (J)				
8/22/2022			0.0012 (J)	0.003 (J)	<0.005	0.00087 (J)	0.002 (J)		
8/23/2022		0.0032 (J)							0.0011 (J)
8/24/2022								0.0023 (J)	
8/31/2022	<0.005								

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/22/2023	<0.005	0.0035 (J)	0.0015 (J)	0.0025 (J)					
2/23/2023					<0.005	0.0019 (J)	0.0042 (J)	0.0033 (J)	0.0022 (J)
8/1/2023									<0.005
8/2/2023								<0.005	
8/7/2023	<0.005	<0.005	<0.005	<0.005		<0.005			
8/8/2023					<0.005		<0.005		
2/20/2024			0.015						
2/21/2024						<0.005	0.0027 (J)	<0.005	
2/26/2024	<0.005			<0.005					
2/27/2024		0.0069			<0.005				
2/28/2024									<0.005
8/1/2024			0.0027 (J)						
8/2/2024				0.004 (J)	0.0033 (J)	<0.005	0.0034 (J)		
8/5/2024	<0.005	<0.005						<0.005	<0.005
2/19/2025	<0.005							<0.005	0.0031 (J)
2/20/2025				0.0071	<0.005	<0.005			
2/21/2025		0.0026 (J)	0.016				0.0051		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							0.069	
10/17/2018		0.0027 (J)						
10/18/2018	0.0017 (J)		0.015	0.0029 (J)	0.004 (J)	0.0015 (J)		
2/19/2020				<0.005				
3/2/2020							<0.005	
3/31/2021							0.023	
4/7/2021							0.02	
8/18/2021							0.0095	
2/9/2022	<0.005	0.012		<0.005	0.0026 (J)	0.0031 (J)	0.01	
2/10/2022			0.01					0.0029 (J)
8/22/2022					0.0036 (J)			
8/23/2022		0.022	0.01					
8/24/2022	<0.005			0.00099 (J)		0.0032 (J)	0.011	0.0025 (J)
2/23/2023	0.0016 (J)			<0.005	0.0064			
2/24/2023		0.0071	0.011			0.0046 (J)		0.0026 (J)
2/28/2023							0.014	
8/1/2023	<0.005		0.0083					
8/2/2023		0.0063		<0.005	0.0055	<0.005	0.015	<0.005
2/23/2024							0.01	<0.005
2/26/2024	<0.005							
2/27/2024		<0.005	0.0071	<0.005	0.0049 (J)	0.0038 (J)		
8/1/2024	<0.005						0.06	
8/2/2024						0.0045 (J)		0.0045 (J)
8/5/2024			0.012		<0.005			
8/6/2024		0.0094		<0.005				
2/20/2025			0.013		0.028			
2/21/2025	<0.005			0.0057				
2/24/2025		0.0025 (J)				<0.005	0.037	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002		
5/11/2016				<0.0002				<0.0002	<0.0002
6/23/2016	<0.0002	<0.0002			<0.0002	<0.0002			
6/24/2016			<0.0002	<0.0002					
6/27/2016							<0.0002	<0.0002	<0.0002
8/16/2016	<0.0002	<0.0002	<0.0002		7.2E-05 (J)	<0.0002			
8/17/2016				<0.0002			<0.0002	<0.0002	<0.0002
10/13/2016	<0.0002					<0.0002			
10/14/2016		<0.0002	<0.0002		<0.0002		<0.0002		
10/17/2016				<0.0002				<0.0002	
10/18/2016									<0.0002
12/5/2016						0.00012 (J)			
12/6/2016	0.00012 (J)	0.00011 (J)	8.7E-05 (J)	0.00011 (J)	0.00012 (J)		0.00011 (J)	0.00011 (J)	0.00011 (J)
2/14/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/10/2017						<0.0002			
4/11/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002		
4/12/2017								<0.0002	<0.0002
6/26/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
6/27/2017							<0.0002	<0.0002	<0.0002
3/26/2018	8.9E-05 (J)	<0.0002	<0.0002			<0.0002			
3/27/2018				<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
6/5/2018	<0.0002	<0.0002			<0.0002	<0.0002	7.5E-05 (J)		
6/6/2018			<0.0002	<0.0002				<0.0002	<0.0002
10/5/2018	<0.0002	<0.0002	<0.0002			<0.0002			
10/8/2018				<0.0002	<0.0002		<0.0002	<0.0002	
10/9/2018									<0.0002
2/18/2019	<0.0002	<0.0002		<0.0002					
2/19/2019			<0.0002		<0.0002	<0.0002	<0.0002		
2/20/2019								<0.0002	<0.0002
3/28/2019			<0.0002	<0.0002	<0.0002		<0.0002		
3/29/2019	7E-05 (J)	<0.0002				<0.0002			
4/1/2019									<0.0002
4/2/2019								<0.0002	
9/12/2019					<0.0002				
9/13/2019						<0.0002			
9/16/2019	<0.0002	<0.0002	0.0005	0.00027			<0.0002	<0.0002	
9/17/2019									<0.0002
12/3/2019			<0.0002	<0.0002					
2/13/2020	<0.0002	<0.0002				<0.0002			
2/17/2020					<0.0002		<0.0002		
2/18/2020			<0.0002	<0.0002				<0.0002	<0.0002
3/17/2020		<0.0002	<0.0002		<0.0002		<0.0002		
3/18/2020	<0.0002			<0.0002		<0.0002			
3/25/2020								<0.0002	
3/26/2020									<0.0002
9/14/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/30/2021	<0.0002	<0.0002				<0.0002			
3/31/2021			<0.0002	<0.0002	<0.0002				
4/1/2021								<0.0002	<0.0002
4/7/2021							<0.0002		
8/17/2021	<0.0002	<0.0002		<0.0002			<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/18/2021			<0.0002		<0.0002	<0.0002		<0.0002	<0.0002
2/9/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
2/10/2022						<0.0002			
8/17/2022	<0.0002	<0.0002							
8/18/2022			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
8/19/2022								<0.0002	
2/21/2023	<0.0002		<0.0002		<0.0002				
2/22/2023		<0.0002		<0.0002				<0.0002	<0.0002
2/23/2023						<0.0002	<0.0002		
8/1/2023	<0.0002	<0.0002			<0.0002			<0.0002	
8/7/2023			<0.0002	<0.0002					
8/8/2023						<0.0002	<0.0002		<0.0002
2/20/2024	<0.0002	<0.0002		<0.0002				<0.0002	
2/21/2024			<0.0002		<0.0002	<0.0002			<0.0002
2/27/2024							<0.0002		
7/31/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
8/1/2024								<0.0002	
2/19/2025				<0.0002		<0.0002	<0.0002		<0.0002
2/20/2025	<0.0002	<0.0002	<0.0002		<0.0002			<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
5/12/2016						<0.0002	<0.0002	<0.0002	<0.0002
6/27/2016	<0.0002								
6/28/2016			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/29/2016		<0.0002							
8/17/2016	<0.0002		<0.0002	<0.0002					
8/18/2016					<0.0002	<0.0002	<0.0002	0.00011 (J)	<0.0002
8/22/2016		<0.0002							
10/17/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	8.9E-05 (J)		
10/18/2016		<0.0002						0.00012 (J)	<0.0002
12/6/2016	7.6E-05 (J)		0.00013 (J)	0.0001 (J)	9.3E-05 (J)	0.00011 (J)			
12/7/2016		0.0001 (J)					0.00012 (J)	0.00017 (J)	7.6E-05 (J)
2/14/2017	<0.0002								
2/15/2017			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00011 (J)	
2/16/2017		<0.0002							<0.0002
4/12/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	7.2E-05 (J)	
4/13/2017		<0.0002							<0.0002
6/27/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	8.4E-05 (J)	<0.0002
3/27/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	0.0001 (J)	0.00014 (J)	<0.0002
3/28/2018		<0.0002							
6/6/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
6/7/2018						<0.0002	<0.0002	0.00013 (J)	<0.0002
10/8/2018					<0.0002	<0.0002	<0.0002		<0.0002
10/9/2018	<0.0002	<0.0002	<0.0002						
10/16/2018				<0.0002				<0.0002	
2/20/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/1/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
4/2/2019									<0.0002
9/16/2019		<0.0002		<0.0002	<0.0002				
9/17/2019	<0.0002		<0.0002			<0.0002	<0.0002	<0.0002	<0.0002
2/18/2020	<0.0002			<0.0002					
2/19/2020		<0.0002	<0.0002		<0.0002	<0.0002	0.0002	0.00016 (J)	<0.0002
3/25/2020	<0.0002	<0.0002	<0.0002	<0.0002					
3/26/2020					<0.0002				
3/27/2020						<0.0002	<0.0002	0.00011 (J)	<0.0002
9/14/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
9/15/2020							<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00013 (J)	<0.0002
3/31/2021		<0.0002	<0.0002					0.00018 (J)	
4/1/2021	<0.0002								<0.0002
4/6/2021							<0.0002		
4/7/2021				<0.0002	<0.0002	<0.0002			
8/18/2021	<0.0002								
8/19/2021		<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
8/20/2021					<0.0002				
2/10/2022	<0.0002	<0.0002		<0.0002	<0.0002				<0.0002
2/11/2022			<0.0002			<0.0002		<0.0002	
2/14/2022							<0.0002		
8/18/2022	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002			
8/19/2022			<0.0002				<0.0002	<0.0002	
8/31/2022									<0.0002
2/22/2023	<0.0002	<0.0002	<0.0002	<0.0002					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
8/2/2023				<0.0002		<0.0002			
8/7/2023		<0.0002	<0.0002		<0.0002			0.0001 (J)	
8/8/2023	<0.0002						<0.0002		<0.0002
2/21/2024	<0.0002	<0.0002							
2/23/2024			<0.0002	<0.0002	<0.0002	<0.0002			
2/26/2024								0.00013 (J)	<0.0002
2/27/2024							<0.0002		
8/1/2024	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	8.9E-05 (J)	<0.0002
8/5/2024			<0.0002						
2/19/2025	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	8.1E-05 (J)		<0.0002
2/20/2025				<0.0002				0.00015 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002		
5/13/2016		<0.0002	<0.0002						
6/29/2016	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
6/30/2016		<0.0002							
8/18/2016	<0.0002								
8/19/2016						<0.0002	7.1E-05 (J)		
8/22/2016		0.00014 (J)	<0.0002	7.3E-05 (J)	<0.0002				
10/18/2016			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
10/19/2016	<0.0002	<0.0002							
12/7/2016	0.00011 (J)	0.00014 (J)			0.0001 (J)	9.9E-05 (J)	0.00011 (J)		
12/8/2016			<0.0002	<0.0002					
2/15/2017	<0.0002						<0.0002		
2/16/2017		8.4E-05 (J)	<0.0002	<0.0002	<0.0002	<0.0002			
4/13/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
6/27/2017	<0.0002								
6/28/2017		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
3/27/2018	<0.0002						<0.0002		
3/28/2018		8.3E-05 (J)	<0.0002	<0.0002	<0.0002	<0.0002			
6/7/2018	0.00011 (J)			8.2E-05 (J)	<0.0002	<0.0002	0.00028		
6/8/2018		0.00014 (J)	<0.0002						
10/8/2018	<0.0002				<0.0002	<0.0002	<0.0002		
10/9/2018			<0.0002						
10/18/2018		0.00021		<0.0002					
1/2/2019		0.00024							
1/10/2019									<0.0002
2/19/2019						<0.0002	<0.0002		
2/20/2019	<0.0002	0.00026	<0.0002	<0.0002	<0.0002				
4/2/2019	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
9/17/2019	<0.0002	0.00014 (J)	<0.0002	<0.0002	<0.0002				
9/18/2019						<0.0002	<0.0002		
2/13/2020									<0.0002
2/18/2020				<0.0002	<0.0002	<0.0002	0.00011 (J)		
2/19/2020	<0.0002		<0.0002						
2/20/2020		0.00022							
3/23/2020			<0.0002	<0.0002	<0.0002				
3/24/2020	<0.0002					<0.0002	<0.0002		
3/26/2020		0.00019 (J)							
9/15/2020	<0.0002	0.00013 (J)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
2/10/2021	<0.0002	0.00018 (J)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
3/30/2021		0.00022	<0.0002	0.00013 (J)	<0.0002				
3/31/2021						<0.0002	<0.0002		
4/1/2021	<0.0002								
8/18/2021	0.00017 (J)	0.00022			<0.0002	<0.0002	<0.0002		
8/19/2021			<0.0002	<0.0002					
2/8/2022								0.00022	<0.0002
2/10/2022		<0.0002				<0.0002	<0.0002		
2/11/2022	<0.0002		<0.0002	<0.0002	<0.0002				
8/24/2022								0.00024	
8/31/2022	0.00013 (J)								
10/31/2022		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
2/22/2023	<0.0002	<0.0002	<0.0002	<0.0002					
2/23/2023					<0.0002	<0.0002	<0.0002	0.00015 (J)	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
8/1/2023									<0.0002
8/2/2023								0.00016 (J)	
8/7/2023	<0.0002	8.3E-05 (J)	<0.0002	<0.0002		<0.0002			
8/8/2023					<0.0002		<0.0002		
2/20/2024			<0.0002						
2/21/2024						<0.0002	<0.0002	9.6E-05 (J)	
2/26/2024	9.1E-05 (J)			<0.0002					
2/27/2024		<0.0002			<0.0002				
2/28/2024									<0.0002
8/1/2024			<0.0002						
8/2/2024				<0.0002	<0.0002	<0.0002	<0.0002		
8/5/2024	<0.0002	<0.0002						0.00013 (J)	<0.0002
2/19/2025	8.7E-05 (J)							0.00069	<0.0002
2/20/2025				<0.0002	<0.0002	<0.0002			
2/21/2025		<0.0002	<0.0002				<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							8.4E-05 (J)	
10/17/2018		<0.0002						
10/18/2018	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002		
2/19/2020				<0.0002				
2/9/2022	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	
2/10/2022			<0.0002					<0.0002
8/24/2022	<0.0002			<0.0002		<0.0002	<0.0002	<0.0002
10/31/2022		<0.0002	<0.0002		<0.0002			
2/23/2023	<0.0002			<0.0002	<0.0002			
2/24/2023		<0.0002	<0.0002			<0.0002		<0.0002
2/28/2023							<0.0002	
8/1/2023	<0.0002		<0.0002					
8/2/2023		<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/23/2024							<0.0002	<0.0002
2/26/2024	<0.0002							
2/27/2024		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
8/1/2024	<0.0002						<0.0002	
8/2/2024						<0.0002		<0.0002
8/5/2024			<0.0002		<0.0002			
8/6/2024		<0.0002		<0.0002				
2/20/2025			<0.0002		<0.0002			
2/21/2025	<0.0002			<0.0002				
2/24/2025		<0.0002				<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.015	<0.015	<0.015		<0.015	<0.015	<0.015		
5/11/2016				0.00278 (J)				<0.015	0.00343 (J)
6/23/2016	<0.015	<0.015			<0.015	<0.015			
6/24/2016			<0.015	0.0022 (J)					
6/27/2016							<0.015	0.0007 (J)	0.0033 (J)
8/16/2016	<0.015	<0.015	<0.015		<0.015	<0.015			
8/17/2016				0.0018 (J)			<0.015	<0.015	0.002 (J)
10/13/2016	<0.015					<0.015			
10/14/2016		<0.015	<0.015		<0.015		<0.015		
10/17/2016				0.0014 (J)				<0.015	
10/18/2016									0.0012 (J)
12/5/2016						<0.015			
12/6/2016	<0.015	<0.015	<0.015	0.00095 (J)	<0.015		<0.015	<0.015	0.0021 (J)
2/14/2017	<0.015	<0.015	0.0011 (J)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
4/10/2017						<0.015			
4/11/2017	<0.015	<0.015	<0.015	0.0011 (J)	<0.015		<0.015		
4/12/2017								<0.015	0.0033 (J)
6/26/2017	<0.015	<0.015	<0.015	0.0016 (J)	<0.015	<0.015			
6/27/2017							<0.015	0.00099 (J)	0.0021 (J)
3/26/2018	<0.015	<0.015	<0.015			<0.015			
3/27/2018				<0.015	<0.015		<0.015	<0.015	<0.015
10/5/2018	<0.015	<0.015	<0.015			<0.015			
10/8/2018				<0.015	<0.015		<0.015	<0.015	
10/9/2018									<0.015
2/18/2019	<0.015	<0.015		0.00085 (J)					
2/19/2019			<0.015		<0.015	<0.015	<0.015		
2/20/2019								<0.015	0.0013 (J)
3/28/2019			<0.015	<0.015	<0.015		<0.015		
3/29/2019	<0.015	<0.015				<0.015			
4/1/2019									<0.015
4/2/2019								<0.015	
9/12/2019					<0.015				
9/13/2019						<0.015			
9/16/2019	<0.015	<0.015	<0.015	0.00069 (J)			<0.015	<0.015	
9/17/2019									0.0014 (J)
2/13/2020	<0.015	<0.015				<0.015			
2/17/2020					<0.015		<0.015		
2/18/2020			<0.015	0.00075 (J)				<0.015	0.0014 (J)
3/17/2020		<0.015	<0.015		<0.015		<0.015		
3/18/2020	<0.015			0.00064 (J)		<0.015			
3/25/2020								<0.015	
3/26/2020									0.001 (J)
9/14/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0012 (J)
2/9/2021	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.0014 (J)
3/30/2021	<0.015	<0.015				<0.015			
3/31/2021			<0.015	<0.015	<0.015				
4/1/2021								<0.015	0.0009 (J)
4/7/2021							<0.015		
8/17/2021	<0.015	<0.015		<0.015			<0.015		
8/18/2021			<0.015		<0.015	<0.015		<0.015	0.0016 (J)
2/9/2022	<0.015	<0.015	<0.015	<0.015	<0.015		<0.015	<0.015	0.0012 (J)
2/10/2022						<0.015			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/17/2022	<0.015	<0.015							
8/18/2022			<0.015	<0.015	<0.015	<0.015	<0.015		0.0011 (J)
8/19/2022								<0.015	
2/21/2023	<0.015		<0.015		<0.015				
2/22/2023		<0.015		<0.015				<0.015	<0.015
2/23/2023						<0.015	<0.015		
8/1/2023	<0.015	<0.015			<0.015			<0.015	
8/7/2023			<0.015	<0.015					
8/8/2023						<0.015	<0.015		0.001 (J)
2/20/2024	<0.015	<0.015		<0.015				<0.015	
2/21/2024			<0.015		<0.015	<0.015			0.0014 (J)
2/27/2024							<0.015		
7/31/2024	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		0.0011 (J)
8/1/2024								<0.015	
2/19/2025				<0.015		<0.015	<0.015		0.001 (J)
2/20/2025	<0.015	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.015	<0.015	<0.015	<0.015	<0.015				
5/12/2016						<0.015	<0.015	<0.015	<0.015
6/27/2016	0.0008 (J)								
6/28/2016			<0.015	<0.015	0.0012 (J)	<0.015	<0.015	<0.015	<0.015
6/29/2016		0.0021 (J)							
8/17/2016	<0.015		<0.015	<0.015					
8/18/2016					0.0011 (J)	<0.015	<0.015	<0.015	<0.015
8/22/2016		0.00099 (J)							
10/17/2016	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015		
10/18/2016		0.0014 (J)						<0.015	<0.015
12/6/2016	<0.015		<0.015	<0.015	<0.015	<0.015			
12/7/2016		0.001 (J)					<0.015	<0.015	<0.015
2/14/2017	<0.015								
2/15/2017			<0.015	<0.015	<0.015	<0.015	0.003 (J)	<0.015	
2/16/2017		<0.015							<0.015
4/12/2017	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
4/13/2017		0.001 (J)							<0.015
6/27/2017	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
3/27/2018	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
3/28/2018		<0.015							
10/8/2018					<0.015	<0.015	<0.015		<0.015
10/9/2018	<0.015	<0.015	<0.015						
10/16/2018				<0.015				<0.015	
2/20/2019	<0.015	0.00075 (J)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
4/1/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	
4/2/2019									<0.015
9/16/2019		0.00067 (J)		<0.015	<0.015				
9/17/2019	<0.015		<0.015			<0.015	<0.015	<0.015	<0.015
2/18/2020	<0.015			<0.015					
2/19/2020		0.00063 (J)	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015
3/25/2020	<0.015	<0.015	<0.015	<0.015					
3/26/2020					<0.015				
3/27/2020						<0.015	0.00081 (J)	<0.015	<0.015
9/14/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015			
9/15/2020							<0.015	<0.015	<0.015
2/9/2021	<0.015	0.00063 (J)	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
3/31/2021		<0.015	<0.015					<0.015	
4/1/2021	<0.015								<0.015
4/6/2021							<0.015		
4/7/2021				<0.015	<0.015	<0.015			
8/18/2021	<0.015								
8/19/2021		<0.015	<0.015	<0.015		<0.015	<0.015	<0.015	<0.015
8/20/2021					<0.015				
2/10/2022	<0.015	<0.015		<0.015	<0.015				<0.015
2/11/2022			<0.015			<0.015		<0.015	
2/14/2022							<0.015		
8/18/2022	0.00073 (J)	<0.015		<0.015	<0.015	<0.015			
8/19/2022			<0.015				<0.015	<0.015	
8/31/2022									<0.015
2/22/2023	<0.015	<0.015	<0.015	<0.015					
2/23/2023					<0.015	<0.015	<0.015	<0.015	<0.015
8/2/2023				<0.015		<0.015			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
8/7/2023		<0.015	<0.015		<0.015			<0.015	
8/8/2023	<0.015						<0.015		<0.015
2/21/2024	<0.015	<0.015							
2/23/2024			<0.015	<0.015	<0.015	<0.015			
2/26/2024								<0.015	<0.015
2/27/2024							<0.015		
8/1/2024	<0.015	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
8/5/2024			<0.015						
2/19/2025	<0.015	<0.015	<0.015		<0.015	<0.015	<0.015		<0.015
2/20/2025				<0.015				<0.015	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.015			<0.015	<0.015	<0.015	<0.015		
5/13/2016		<0.015	<0.015						
6/29/2016	<0.015		<0.015	<0.015	<0.015	<0.015	<0.015		
6/30/2016		<0.015							
8/18/2016	<0.015								
8/19/2016						<0.015	<0.015		
8/22/2016		<0.015	<0.015	<0.015	<0.015				
10/18/2016			<0.015	<0.015	<0.015	<0.015	<0.015		
10/19/2016	<0.015	<0.015							
12/7/2016	<0.015	<0.015			<0.015	<0.015	<0.015		
12/8/2016			<0.015	<0.015					
2/15/2017	<0.015						<0.015		
2/16/2017		<0.015	<0.015	<0.015	<0.015	<0.015			
4/13/2017	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		
6/27/2017	<0.015								
6/28/2017		<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		
3/27/2018	<0.015						<0.015		
3/28/2018		<0.015	<0.015	<0.015	<0.015	<0.015			
10/8/2018	<0.015				<0.015	<0.015	<0.015		
10/9/2018			<0.015						
10/18/2018		<0.015		<0.015					
1/2/2019		<0.015							
1/10/2019									<0.015
2/19/2019						<0.015	<0.015		
2/20/2019	<0.015	<0.015	<0.015	<0.015	<0.015				
4/2/2019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		
9/17/2019	<0.015	<0.015	<0.015	<0.015	<0.015				
9/18/2019						<0.015	<0.015		
2/13/2020									<0.015
2/18/2020				<0.015	<0.015	<0.015	<0.015		
2/19/2020	<0.015		<0.015						
2/20/2020		<0.015							
3/23/2020			<0.015	<0.015	<0.015				
3/24/2020	<0.015					<0.015	<0.015		
3/26/2020		<0.015							
9/15/2020	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		
2/10/2021	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015		
3/30/2021		<0.015	<0.015	<0.015	<0.015				
3/31/2021						<0.015	<0.015		
4/1/2021	<0.015								
8/18/2021	<0.015	<0.015			<0.015	<0.015	<0.015		
8/19/2021			<0.015	<0.015					
2/8/2022								<0.015	<0.015
2/10/2022		<0.015				<0.015	<0.015		
2/11/2022	<0.015		<0.015	<0.015	<0.015				
8/22/2022			<0.015	<0.015	<0.015	<0.015	<0.015		
8/23/2022		<0.015							<0.015
8/24/2022								<0.015	
8/31/2022	<0.015								
2/22/2023	<0.015	<0.015	<0.015	<0.015					
2/23/2023					<0.015	<0.015	0.00062 (J)	<0.015	<0.015
8/1/2023									<0.015

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
8/2/2023								<0.015	
8/7/2023	<0.015	<0.015	<0.015	<0.015		<0.015			
8/8/2023					<0.015		<0.015		
2/20/2024			<0.015						
2/21/2024						<0.015	<0.015	<0.015	
2/26/2024	<0.015			<0.015					
2/27/2024		<0.015			<0.015				
2/28/2024									<0.015
8/1/2024			<0.015						
8/2/2024				<0.015	<0.015	<0.015	<0.015		
8/5/2024	<0.015	<0.015						<0.015	<0.015
2/19/2025	<0.015							<0.015	<0.015
2/20/2025				<0.015	<0.015	<0.015			
2/21/2025		<0.015	<0.015				<0.015		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
2/19/2020				<0.015				
2/9/2022	<0.015	0.0011 (J)		<0.015	0.0057 (J)	<0.015	<0.015	
2/10/2022			<0.015					0.0017 (J)
8/22/2022					0.0062 (J)			
8/23/2022		0.0013 (J)	0.00079 (J)					
8/24/2022	<0.015			<0.015		<0.015	<0.015	0.00081 (J)
2/23/2023	<0.015			<0.015	0.0066 (J)			
2/24/2023		0.0011 (J)	<0.015			<0.015		0.00069 (J)
2/28/2023							<0.015	
8/1/2023	<0.015		<0.015					
8/2/2023		0.0011 (J)		<0.015	0.0062 (J)	<0.015	<0.015	0.0011 (J)
2/23/2024							<0.015	<0.015
2/26/2024	<0.015							
2/27/2024		0.00099 (J)	<0.015	<0.015	0.0067 (J)	<0.015		
8/1/2024	<0.015						<0.015	
8/2/2024						<0.015		<0.015
8/5/2024			<0.015		0.0079 (J)			
8/6/2024		0.00087 (J)		<0.015				
2/20/2025			<0.015		0.0097 (J)			
2/21/2025	<0.015			<0.015				
2/24/2025		<0.015				<0.015	<0.015	<0.015

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	5.51	6.83	5.75		5.84	6.34	6.14		
5/11/2016				6.49				6.39	6.66
6/23/2016	5.5	6.82			5.71	6.33			
6/24/2016			5.78	6.48			6.14		
6/27/2016							6.08	6.3	6.73
8/16/2016	5.42	6.73	5.72		5.64	6.35			
8/17/2016				6.42			6.1	6.28	6.55
10/13/2016	5.52					6.34			
10/14/2016		6.74	5.71		5.59		6.14		
10/17/2016				6.44				6.3	
10/18/2016									6.59
12/5/2016						6.32			
12/6/2016	5.33	6.74	5.68	6.48	5.46		6.19	6.3	6.51
2/14/2017	5.29	6.85	5.57	6.18	5.29	6.33	6.34	6.31	6.3
4/10/2017						6.31			
4/11/2017	5.21	6.75	5.7	6.49	5.54		6.16		
4/12/2017								6.23	6.43
6/26/2017	5.25	6.82	5.68	6.48	5.54	6.35			
6/27/2017							6.08	6.23	6.56
10/10/2017	5.49	6.87				6.37			
10/11/2017			5.63	6.42	5.43		6.16	6.09	6.4
3/26/2018	5.39	6.77	5.89			6.32			
3/27/2018				6.53	5.52		6.12	6.2	6.6
6/5/2018	5.38	6.73			5.59	6.27	6.06		
6/6/2018			5.62	6.7				5.99	6.56
10/5/2018	5.46	6.81	5.76		5.7	6.37			
10/8/2018				6.53	5.59		6.16	6.3	
10/9/2018									6.56
2/18/2019	5.43	6.74		6.28					
2/19/2019			5.69		5.67	6.29	6.03		
2/20/2019								6.34	6.4
3/28/2019			5.88	6.53	5.67		6.15		
3/29/2019	5.22	6.81				6.31			
4/1/2019									6.57
4/2/2019								6.25	
9/12/2019					5.59				
9/13/2019						6.36			
9/16/2019	5.22	6.82	5.8	6.44			6.01	6.26	
9/17/2019									6.41
2/13/2020	5.09	6.59				6.24			
2/17/2020					5.73		6.1		
2/18/2020			5.76	6.38				6.32	6.35
3/17/2020		6.83	5.87		5.62		6.02		
3/18/2020	5.37			6.36		6.4			
3/25/2020								6.31	
3/26/2020									6.52
5/19/2020	5.37	6.8	5.8	6.38	5.61	6.37	6.03		
9/14/2020	5.11	6.73	5.84	6.4	5.82	6.52	5.98	6.29	6.31
2/9/2021	5.25	6.75	5.8	6.38	5.53	6.4	6.06	6.34	6.42
3/30/2021	5.28	6.73				6.27			
3/31/2021			5.72	6.33	5.5				
4/1/2021								6.31	6.44

Time Series

Constituent: pH, Field (SU) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
4/7/2021							6.12		
8/17/2021	5.26	6.84		6.41			6.08		
8/18/2021			5.85		5.51	6.45		6.33	6.61
2/9/2022	5.28	7.01	5.84	6.38	5.56		6.17	6.33	6.77
2/10/2022						6.38			
8/17/2022	5.16	6.79							
8/18/2022			5.64	6.35	5.43	6.32	6.03		6.77
8/19/2022								6.24	
2/21/2023	5.28		5.82		5.6				
2/22/2023		6.85		6.36				6.28	6.51
2/23/2023						6.33	6.04		
8/1/2023	5.3	6.77			5.48			6.21	
8/7/2023			5.84	6.39					
8/8/2023						6.35	6.06		6.48
2/20/2024	5.44	6.99		6.27				6.36	
2/21/2024			5.96		5.63	6.31			6.52
2/27/2024							6.7		
7/31/2024	5.3	6.77	5.83	6.29	5.49	6.27	5.93		6.39
8/1/2024								6.18	
2/19/2025				6.33		6.5	6.18		6.51
2/20/2025	5.44	6.95	5.89		5.48			6.3	

Time Series

Constituent: pH, Field (SU) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	6.35	6.24	5.7	5.84	6.28				
5/12/2016						6.09	5.79	4.76	5.29
6/27/2016	6.41	6.15							
6/28/2016			5.67	5.77	6.26	6.07	5.77	4.69	5.3
6/29/2016		6.18							
8/17/2016	6.45		5.55	5.71					
8/18/2016					6.23	6	5.75	4.73	5.3
8/22/2016		6.15							
10/17/2016	6.43		5.45	5.69	6.27	6.01	5.73		
10/18/2016		6.11						4.62	5.23
12/6/2016	6.48		5.49	5.58	6.28	5.98			
12/7/2016		6.14					5.75	4.63	5.31
2/14/2017	6.39								
2/15/2017			5.29	5.54	6.21	5.74	5.58	4.51	
2/16/2017		5.95							4.77
4/12/2017	6.35		5.39	5.47	6.15	6.01	5.85	4.67	
4/13/2017		6.09							5.28
6/27/2017	6.41	6.09		5.47	6.23	6.05	5.86	4.66	5.22
10/11/2017				5.58	6.26	6.14	5.98		
10/12/2017	6.41	6.16	5.3					4.76	5.43
3/27/2018	6.66		5.58	5.65	6.32	6.25	5.87	4.61	5.28
3/28/2018		6.3							
6/6/2018	6.42	6.12	5.43	5.32	6.1				
6/7/2018						5.93	5.81	4.62	5.26
10/8/2018					6.16	6.02	5.83		5.29
10/9/2018	6.51	6.06	5.29						
10/16/2018				5.34				4.59	
10/17/2018				5.35				4.67	
2/20/2019	6.4		5.43	5.22	6.07	5.97		4.62	5.23
2/21/2019		6.1					5.65		
4/1/2019	6.41	6.11	5.46	5.24	6.14	6.06	5.89	4.72	
4/2/2019									5.27
9/16/2019		6.11		5.3	6.18				
9/17/2019	6.5		5.31			5.98	5.78	4.65	5.26
2/18/2020	6.39			5.09					
2/19/2020		6.03	5.07		6.07	5.94	5.75	4.58	5.16
3/25/2020	6.35	6.01	5.26	5.16					
3/26/2020					6.1				
3/27/2020						5.89	5.74	4.51	5.17
9/14/2020	6.56	6.33	5.51	5.14	6.11	6			
9/15/2020							6.01	4.87	5.56
2/9/2021	6.35	6.21	5.23	5.24	6.13	5.98	5.85	4.63	5.22
3/31/2021		6.2	5.3					4.77	
4/1/2021	6.32								5.24
4/6/2021							5.84		
4/7/2021				5.18	6.44	6.07			
8/18/2021	6.48								
8/19/2021		6.22	5.21	5.23		5.99	5.86	4.63	5.28
8/20/2021					6.13				
2/10/2022	6.47	6.25		5.11	6.19				5.21
2/11/2022			5.13			6.02		4.59	
2/14/2022							5.77		

Time Series

Constituent: pH, Field (SU) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
8/18/2022	6.8	6.52		5.06	6.12	5.78			
8/19/2022			5.22				5.62	4.61	
8/31/2022									5.1
10/25/2022									5.23
11/16/2022									5.17
2/22/2023	6.51	6.14	5.23	5.1					
2/23/2023					6.04	5.94	5.72	4.59	5.13
8/2/2023				5.09		5.92			
8/7/2023		6.29	5.2		5.83			4.55	
8/8/2023	6.66						5.73		5.15
2/21/2024	6.67	6.17							
2/23/2024			5.18	5.07	6.11	6.03			
2/26/2024								4.6	5.13
2/27/2024							5.84		
8/1/2024	6.57	6.18		5.03	5.97	5.84	5.56	4.68	4.91
8/5/2024			5.17						
2/19/2025	6.65	6.21	5.32		6.22	6.06	5.79		5.1
2/20/2025				5.38				4.55	

Time Series

Constituent: pH, Field (SU) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	6.21			4.36	5.95	5.68	6.18		
5/13/2016		4.7	5.55						
6/29/2016	6.21		5.5	4.3	5.96	5.68	5.88		
6/30/2016		4.69							
8/18/2016	6.24								
8/19/2016						5.65	5.84		
8/22/2016		4.68	5.5	4.37	5.96				
10/18/2016	6.18		5.46	4.26	5.9	5.71	5.89		
10/19/2016	6.2	4.65							
12/7/2016	6.19	4.69			6.03	5.71	5.87		
12/8/2016			5.39	4.28					
2/15/2017	6.25						6.04		
2/16/2017		4.77	5.32	4.29	6.03	5.7			
4/13/2017	6.21	4.79	5.47	4.24	5.93	5.7	5.85		
6/27/2017	6.27								
6/28/2017		4.78	5.5	4.28	6	5.66	5.9		
10/12/2017	6.33	4.86	5.57	4.32	6.09	5.73	6.07		
3/27/2018	6.26						5.99		
3/28/2018		4.74	5.74	4.25	6.08	5.89			
6/7/2018	6.21			4.26	6.1	5.66	5.97		
6/8/2018		4.69	5.52						
10/8/2018	6.17				6.14	5.74	5.94		
10/9/2018			5.51						
10/18/2018		4.7		4.3					
2/19/2019						5.69	5.9		
2/20/2019	6.26	4.76	5.58	4.26					
2/21/2019					6.08				
4/2/2019	6.26	4.72	5.5	4.33	6.09	5.65	5.87		
9/17/2019	6.23	4.77	5.55	4.37	6.27				
9/18/2019						5.66	5.97		
2/13/2020									5.29
2/18/2020				4.3	6.06	5.59	5.95		5.54
2/19/2020	6.16		5.53						
2/20/2020		4.64							
3/23/2020			5.51	4.19	6.12				
3/24/2020	6.21					5.62	6		
3/26/2020		4.74							
9/15/2020	6.42	4.94	5.51	4.3	6.1	5.65	5.89		
9/18/2020								5.29	
2/10/2021	6.23	4.8	5.55	4.22	6.21	5.58	5.85		
3/30/2021		4.82	5.57	4.32	6.17				
3/31/2021						5.73	5.93		
4/1/2021	6.25								
4/2/2021								5.03	5.38
8/18/2021	6.26	4.83			6.26	5.76	6.01		5.4
8/19/2021			5.61	4.28					
8/20/2021								5.03	
2/8/2022								4.92	5.42
2/10/2022		4.86				5.78	6.13		
2/11/2022	6.39		5.65	4.25	6.31				
8/22/2022			5.54	4.3	6.17	5.62	5.91		
8/23/2022		4.8							5.39

Time Series

Constituent: pH, Field (SU) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
8/24/2022								5.09	
8/31/2022	6.26								
10/25/2022	6.27								
10/31/2022		4.89	5.53	4.32	6.29	5.72	6		5.46
11/16/2022	6.23								
2/22/2023	6.23	5	5.53	4.38					
2/23/2023					6.19	5.72	6	5.14	5.4
8/1/2023									5.3
8/2/2023								5.17	
8/7/2023	6.25	4.83	5.45	4.29		5.7			
8/8/2023					6.29		5.92		
2/20/2024			5.61						
2/21/2024						5.71	6.02	5.14	
2/26/2024	6.28			4.15					
2/27/2024		4.62			6.29				
2/28/2024									5.4
8/1/2024			5.26						
8/2/2024				4.26	6.2	5.69	5.96		
8/5/2024	6.12	4.85						4.96	5.36
2/19/2025	6.28							5.23	5.45
2/20/2025				4.17	6.44	5.7			
2/21/2025		4.78	5.59				5.93		

Time Series

Constituent: pH, Field (SU) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							7.05	
10/17/2018		7.29					7.03	
10/18/2018	6.68		6.57	6.07	6.33	6.52		
2/13/2020				5.89				
2/19/2020				5.86				
3/2/2020							6.53	
3/31/2021							6.61	
4/2/2021		6.62						
4/5/2021				5.96				
4/7/2021						6.28	7.04	
8/18/2021						6.35	6.5	
8/19/2021		6.68		5.91				
2/9/2022	6.71	6.55		5.95	6.25	6.66	6.57	
2/10/2022			6.11					6.61
8/22/2022					6.27			
8/23/2022		6.75	6.14					
8/24/2022	6.74			5.87		9.96	6.61	6.86
10/31/2022		6.69	6.96		6.48			
2/23/2023	6.73			5.91	6.36			
2/24/2023		6.67	6.16			6.97		6.54
2/28/2023							6.54	
8/1/2023	6.78		6.12					
8/2/2023		6.64		5.89	6.38	6.87	6.57	6.41
2/23/2024							6.65	6.47
2/26/2024	6.9							
2/27/2024		6.54	6.22	6.02	6.47	7.15		
5/6/2024	6.65							
8/1/2024	6.67						6.64	
8/2/2024						6.75		6.42
8/5/2024			6.3		6.22			
8/6/2024		6.59		5.88				
2/20/2025			6.39		7.33			
2/21/2025	7			5.93				
2/24/2025		6.61				7.43	6.77	6.57

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		
5/11/2016				<0.005				<0.005	<0.005
6/23/2016	<0.005	<0.005			<0.005	<0.005			
6/24/2016			<0.005	<0.005					
6/27/2016							<0.005	<0.005	<0.005
8/16/2016	<0.005	<0.005	<0.005		<0.005	<0.005			
8/17/2016				<0.005			<0.005	<0.005	<0.005
10/13/2016	<0.005					<0.005			
10/14/2016		<0.005	<0.005		<0.005		<0.005		
10/17/2016				<0.005				<0.005	
10/18/2016									<0.005
12/5/2016						<0.005			
12/6/2016	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
2/14/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/10/2017						<0.005			
4/11/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005		
4/12/2017								0.00034 (J)	<0.005
6/26/2017	<0.005	<0.005	0.00029 (J)	0.00041 (J)	<0.005	<0.005			
6/27/2017							<0.005	0.00057 (J)	<0.005
3/26/2018	<0.005	<0.005	<0.005			<0.005			
3/27/2018				<0.005	<0.005		<0.005	<0.005	<0.005
6/5/2018	0.00065 (J)	0.00098 (J)			0.00039 (J)	0.00041 (J)	0.00029 (J)		
6/6/2018			<0.005	<0.005				0.00032 (J)	<0.005
10/5/2018	0.00031 (J)	0.00028 (J)	0.00024 (J)			<0.005			
10/8/2018				0.00041 (J)	<0.005		<0.005	<0.005	
10/9/2018									0.00034 (J)
2/18/2019	<0.005	0.00017 (J)		<0.005					
2/19/2019			0.00012 (J)		<0.005	<0.005	<0.005		
2/20/2019								<0.005	<0.005
3/28/2019			<0.005	<0.005	<0.005		<0.005		
3/29/2019	<0.005	<0.005				<0.005			
4/1/2019									<0.005
4/2/2019								<0.005	
9/12/2019					<0.005				
9/13/2019						<0.005			
9/16/2019	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005	
9/17/2019									<0.005
2/13/2020	<0.005	<0.005				<0.005			
2/17/2020					<0.005		<0.005		
2/18/2020			<0.005	<0.005				<0.005	<0.005
3/17/2020		<0.005	<0.005		<0.005		<0.005		
3/18/2020	<0.005			<0.005		<0.005			
3/25/2020								<0.005	
3/26/2020									<0.005
9/14/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/30/2021	<0.005	<0.005				<0.005			
3/31/2021			<0.005	<0.005	<0.005				
4/1/2021								<0.005	<0.005
4/7/2021							<0.005		
8/17/2021	<0.005	<0.005		<0.005			<0.005		
8/18/2021			<0.005		<0.005	<0.005		<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
2/10/2022						<0.005			
8/17/2022	<0.005	<0.005							
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
8/19/2022								<0.005	
2/21/2023	<0.005		<0.005		<0.005				
2/22/2023		<0.005		<0.005				<0.005	<0.005
2/23/2023						<0.005	<0.005		
8/1/2023	<0.005	<0.005			<0.005			<0.005	
8/7/2023			<0.005	<0.005					
8/8/2023						<0.005	<0.005		<0.005
2/20/2024	<0.005	<0.005		<0.005				<0.005	
2/21/2024			<0.005		<0.005	<0.005			<0.005
2/27/2024							<0.005		
7/31/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
8/1/2024								<0.005	
2/19/2025				<0.005		<0.005	<0.005		<0.005
2/20/2025	<0.005	<0.005	<0.005		<0.005			<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
5/12/2016						<0.005	<0.005	0.00965 (J)	<0.005
6/27/2016	<0.005								
6/28/2016			<0.005	<0.005	<0.005	<0.005	<0.005	0.0101	<0.005
6/29/2016		<0.005							
8/17/2016	<0.005		<0.005	<0.005					
8/18/2016					0.00031 (J)	<0.005	<0.005	0.0014	0.00053 (J)
8/22/2016		<0.005							
10/17/2016	<0.005		<0.005	<0.005	<0.005	0.0003 (J)	<0.005		
10/18/2016		<0.005						0.0013	<0.005
12/6/2016	<0.005		<0.005	<0.005	<0.005	<0.005			
12/7/2016		<0.005					<0.005	0.0007 (J)	<0.005
2/14/2017	<0.005								
2/15/2017			<0.005	<0.005	<0.005	<0.005	0.00066 (J)	0.00075 (J)	
2/16/2017		<0.005							<0.005
4/12/2017	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
4/13/2017		<0.005							<0.005
6/27/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0013	0.001 (J)
3/27/2018	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/28/2018		<0.005							
6/6/2018	<0.005	<0.005	<0.005	<0.005	<0.005				
6/7/2018						0.00064 (J)	0.00084 (J)	0.0014	0.0013
10/8/2018					<0.005	<0.005	<0.005		0.0014
10/9/2018	<0.005	<0.005	<0.005						
10/16/2018				0.00046 (J)				0.0021	
2/20/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0034	0.0012 (J)
4/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
4/2/2019									0.0021
9/16/2019		<0.005		<0.005	<0.005				
9/17/2019	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
2/18/2020	<0.005			<0.005					
2/19/2020		<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2020	<0.005	<0.005	<0.005	<0.005					
3/26/2020					<0.005				
3/27/2020						<0.005	<0.005	<0.005	<0.005
9/14/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/15/2020							<0.005	<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/31/2021		<0.005	<0.005					<0.005	
4/1/2021	<0.005								<0.005
4/6/2021							<0.005		
4/7/2021				<0.005	<0.005	<0.005			
8/18/2021	<0.005								
8/19/2021		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
8/20/2021					<0.005				
2/10/2022	<0.005	<0.005		<0.005	<0.005				0.00092 (J)
2/11/2022			<0.005			<0.005		<0.005	
2/14/2022							<0.005		
8/18/2022	<0.005	<0.005		<0.005	<0.005	<0.005			
8/19/2022			<0.005				<0.005	<0.005	
8/31/2022									0.001 (J)
2/22/2023	<0.005	<0.005	<0.005	<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.005	<0.005	<0.005	<0.005	0.00093 (J)
8/2/2023				<0.005		<0.005			
8/7/2023		<0.005	<0.005		<0.005			<0.005	
8/8/2023	<0.005						<0.005		<0.005
2/21/2024	<0.005	<0.005							
2/23/2024			<0.005	<0.005	<0.005	<0.005			
2/26/2024								0.0084	<0.005
2/27/2024							<0.005		
8/1/2024	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	0.0048 (J)	<0.005
8/5/2024			<0.005						
2/19/2025	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005		<0.005
2/20/2025				<0.005				0.0035 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.005			0.00396 (J)	<0.005	<0.005	<0.005		
5/13/2016		0.023	<0.005						
6/29/2016	<0.005		<0.005	0.0053 (J)	<0.005	<0.005	<0.005		
6/30/2016		0.0263							
8/18/2016	<0.005								
8/19/2016						<0.005	<0.005		
8/22/2016		0.0066	<0.005	0.0012 (J)	<0.005				
10/18/2016			<0.005	<0.005	<0.005	<0.005	<0.005		
10/19/2016	<0.005	0.0057							
12/7/2016	<0.005	0.006			<0.005	<0.005	<0.005		
12/8/2016			<0.005	<0.005					
2/15/2017	<0.005						<0.005		
2/16/2017		0.0055	<0.005	<0.005	<0.005	<0.005			
4/13/2017	<0.005	0.0049	<0.005	<0.005	<0.005	<0.005	<0.005		
6/27/2017	0.00024 (J)								
6/28/2017		0.0047	0.00096 (J)	0.00064 (J)	<0.005	<0.005	0.00033 (J)		
3/27/2018	<0.005						<0.005		
3/28/2018		0.0085	<0.005	<0.005	<0.005	<0.005			
6/7/2018	0.00064 (J)			0.00066 (J)	<0.005	<0.005	<0.005		
6/8/2018		0.014	0.00063 (J)						
10/8/2018	0.00028 (J)				<0.005	<0.005	0.00026 (J)		
10/9/2018			0.0005 (J)						
10/18/2018		0.017		0.00049 (J)					
1/2/2019		0.0034							
1/10/2019									<0.005
2/19/2019						<0.005	0.00021 (J)		
2/20/2019	<0.005	0.027	<0.005	0.0011 (J)	<0.005				
4/2/2019	<0.005	0.0075	<0.005	<0.005	<0.005	<0.005	<0.005		
9/17/2019	<0.005	0.0036	<0.005	<0.005	<0.005				
9/18/2019						<0.005	<0.005		
2/13/2020									<0.005
2/18/2020				<0.005	<0.005	<0.005	<0.005		
2/19/2020	<0.005		<0.005						
2/20/2020		0.0024 (J)							
3/23/2020			<0.005	<0.005	<0.005				
3/24/2020	<0.005					<0.005	<0.005		
3/26/2020		0.0019 (J)							
9/15/2020	<0.005	0.003 (J)	<0.005	<0.005	<0.005	<0.005	<0.005		
2/10/2021	<0.005	0.0016 (J)	<0.005	<0.005	<0.005	<0.005	<0.005		
3/30/2021		<0.005	<0.005	<0.005	<0.005				
3/31/2021						<0.005	<0.005		
4/1/2021	<0.005								
8/18/2021	<0.005	0.002 (J)			<0.005	<0.005	<0.005		
8/19/2021			<0.005	<0.005					
2/8/2022								<0.005	<0.005
2/10/2022		0.0021 (J)				<0.005	<0.005		
2/11/2022	<0.005		<0.005	<0.005	<0.005				
8/22/2022			0.00099 (J)	<0.005	<0.005	<0.005	<0.005		
8/23/2022		0.00085 (J)							<0.005
8/24/2022								<0.005	
8/31/2022	<0.005								
2/22/2023	<0.005	<0.005	<0.005	<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/23/2023					<0.005	<0.005	0.00075 (J)	<0.005	<0.005
8/1/2023									<0.005
8/2/2023								<0.005	
8/7/2023	<0.005	<0.005	<0.005	<0.005		<0.005			
8/8/2023					<0.005		<0.005		
2/20/2024			<0.005						
2/21/2024						<0.005	<0.005	<0.005	
2/26/2024	<0.005			0.0041 (J)					
2/27/2024		0.0053			<0.005				
2/28/2024									<0.005
8/1/2024			<0.005						
8/2/2024				0.002 (J)	<0.005	<0.005	<0.005		
8/5/2024	<0.005	0.0064						<0.005	<0.005
2/19/2025	<0.005							<0.005	<0.005
2/20/2025				<0.005	<0.005	<0.005			
2/21/2025		0.0031 (J)	<0.005				<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							0.00046 (J)	
10/17/2018		<0.005						
10/18/2018	0.00047 (J)		0.00059 (J)	0.0045	0.00026 (J)	<0.005		
2/19/2020				0.0053				
2/9/2022	<0.005	0.0022 (J)		0.0061	<0.005	<0.005	<0.005	
2/10/2022			<0.005					<0.005
8/22/2022					<0.005			
8/23/2022		0.0014 (J)	<0.005					
8/24/2022	<0.005			0.0062		<0.005	<0.005	<0.005
2/23/2023	<0.005			0.0071	<0.005			
2/24/2023		0.0019 (J)	<0.005			<0.005		<0.005
2/28/2023							<0.005	
8/1/2023	<0.005		<0.005					
8/2/2023		0.0014 (J)		0.0069	<0.005	<0.005	<0.005	<0.005
2/23/2024							<0.005	<0.005
2/26/2024	<0.005							
2/27/2024		<0.005	<0.005	0.0073	<0.005	<0.005		
8/1/2024	<0.005						<0.005	
8/2/2024						<0.005		<0.005
8/5/2024			<0.005		<0.005			
8/6/2024		0.001 (J)		0.0065				
2/20/2025			<0.005		<0.005			
2/21/2025	<0.005			0.0051				
2/24/2025		0.0015 (J)				<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	0.6766 (J)	0.4053 (J)	2.82		0.4716 (J)	<1	0.686 (J)		
5/11/2016				3.75				0.866 (J)	21.6
6/23/2016	0.94 (J)	0.55 (J)			0.46 (J)	0.3 (J)			
6/24/2016			2.3	3					
6/27/2016							0.61 (J)	0.86 (J)	17
8/16/2016	1.2	<1	1.5		<1	<1			
8/17/2016				1.8			<1	<1	19
10/13/2016	2.9					<1			
10/14/2016		<1	1.2		<1		<1		
10/17/2016				1.4				<1	
10/18/2016									17
12/5/2016						<1			
12/6/2016	3.2	<1	1.3	1.4	<1		<1	<1	18
2/14/2017	0.76 (J)	<1	1.9	1.1	<1	<1	<1	1	21
4/10/2017						<1			
4/11/2017	<1	<1	1.3	1	<1		<1		
4/12/2017								<1	18
6/26/2017	0.74 (J)	<1	1.5	0.99 (J)	<1	<1			
6/27/2017							<1	<1	19
10/10/2017	0.76 (J)	<1				<1			
10/11/2017			0.98 (J)	0.93 (J)	<1		<1	<1	15
6/5/2018	<1	<1			<1	<1	<1		
6/6/2018			1.8	0.89 (J)				<1	14
12/13/2018	<1	<1	1.4	0.76 (J)	<1	<1	<1		
12/14/2018								<1	10
3/28/2019			1.9	1.2	<1		<1		
3/29/2019	<1	0.65 (J)				<1			
4/1/2019									16
4/2/2019								1.3	
9/12/2019					<1				
9/13/2019						<1			
9/16/2019	0.98 (J)	0.68 (J)	0.92 (J)	1.1			<1	0.53 (J)	
9/17/2019									8.7
3/17/2020		0.78 (J)	1.6		0.55 (J)		0.61 (J)		
3/18/2020	1.2			1.3		0.45 (J)			
3/25/2020								0.58 (J)	
3/26/2020									15
9/14/2020	0.58 (J)	<1	0.82 (J)	0.96 (J)	<1	<1	<1	0.46 (J)	17
3/30/2021	1.2	<1				<1			
3/31/2021			1.1	1.1	<1				
4/1/2021								<1	18
4/7/2021							<1		
8/17/2021	<1	<1		1.1			<1		
8/18/2021			0.9 (J)		<1	1		<1	12
2/9/2022	1	1.2	1.3	1.1	<1		<1	0.88 (J)	7.1
2/10/2022						<1			
8/17/2022	0.94 (J)	0.87 (J)							
8/18/2022			<1	<1	<1	<1	<1		5.3
8/19/2022								<1	
2/21/2023	1.3		1.6		1.2				
2/22/2023		1.4		1.4				1.4	6.7
2/23/2023						1.6	1.3		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/1/2023	0.48 (J)	0.48 (J)			<1			0.4 (J)	
8/7/2023			0.64 (J)	0.53 (J)					
8/8/2023						<1	<1		4.5
2/20/2024	0.88 (J)	0.9 (J)		<1				1.5	
2/21/2024			0.69 (J)		<1	<1			5.2
2/27/2024							0.55 (J)		
7/31/2024	0.52 (J)	0.45 (J)	0.67 (J)	0.46 (J)	<1	<1	<1		4.8
8/1/2024								<1	
2/19/2025				0.51 (J)		<1	<1		4.8
2/20/2025	0.5 (J)	<1	0.59 (J)		<1			<1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	61.6	313	7.43	6.31	30.1				
5/12/2016						89.7	194	194	9.9
6/27/2016	64								
6/28/2016			6.3	3.7	25	76	200	200	11
6/29/2016		280							
8/17/2016	63		11	2.4					
8/18/2016					24	78	180	190	14
8/22/2016		300							
10/17/2016	64		4.4	2.1	23	73	190		
10/18/2016		280						190	15
12/6/2016	72		11	1.9	28	76			
12/7/2016		280					200	200	17
2/14/2017	73								
2/15/2017			1.3	1.2	33	73	190	190	
2/16/2017		300							17
4/12/2017	64		2.8	1	30	70	170	170	
4/13/2017		280							15
6/27/2017	77	340	8.2	1.2	33	78	200	200	19
10/11/2017				0.82 (J)	33	72	190		
10/12/2017	74	310	1.3					190	20
6/6/2018	74	320	2.9	0.89 (J)	41				
6/7/2018						69	190	190	25
10/16/2018				1.3				200	
12/14/2018	72				43	74	190		
12/17/2018		330	16						28
4/1/2019	67	310	21	0.81 (J)	48	82	180	190	
4/2/2019									31
9/16/2019		310		0.72 (J)	44				
9/17/2019	77		2.3			79	200	220	33
3/25/2020	62	300	14	0.58 (J)					
3/26/2020					44				
3/27/2020						81	180	190	35
9/14/2020	81	220	2.2	0.59 (J)	41	89			
9/15/2020							180	190	36
3/31/2021		240	15					200	
4/1/2021	74								37
4/6/2021							190		
4/7/2021				1.3	54	96			
8/18/2021	78								
8/19/2021		160	2.2	<1		82	190	200	38
8/20/2021					60				
2/10/2022	80	190		<1	41				45
2/11/2022			2.1			94		200	
2/14/2022							220		
8/18/2022	78	200		<1	50	95			
8/19/2022			4.5				200	180	
8/31/2022									49
2/22/2023	52	200	18	3.1					
2/23/2023					57	96	210	190	55
8/2/2023				4.8		100			
8/7/2023		200	7.1		54			190	
8/8/2023	41						210		59

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/21/2024	44	200							
2/23/2024			9.1	8	61	110			
2/26/2024								210	69
2/27/2024							240		
8/1/2024	29	160		13	59	120	200	240	73
8/5/2024			23						
2/19/2025	37	120	36		83	170	230		84
2/20/2025				31				210	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	125			255	76.9	85.3	131		
5/13/2016		484	212						
6/29/2016	120		220	270	78	84	120		
6/30/2016		490							
8/18/2016	130								
8/19/2016						81	120		
8/22/2016		500	220	270	78				
10/18/2016			210	240	70	83	130		
10/19/2016	140	520							
12/7/2016	160	510			80	85	140		
12/8/2016			220	240					
2/15/2017	160						120		
2/16/2017		450	210	230	77	83			
4/13/2017	140	380	190	220	70	79	100		
6/27/2017	160								
6/28/2017		390	220	240	82	90	120		
10/12/2017	170	430	210	210	76	87	120		
6/7/2018	170			210	79	94	100		
6/8/2018		870	220						
10/18/2018		1200		210					
12/14/2018	180								
12/17/2018			270		88	99	96		
1/2/2019		1100							
1/10/2019									<1
4/2/2019	180	1100	240	220	92	100	95		
9/17/2019	200	1100	260	220	99				
9/18/2019						100	95		
2/13/2020									0.7 (J)
3/23/2020			250	220	120				
3/24/2020	190					100	71		
3/26/2020		1000							
9/15/2020	190	860	250	200	130	110	72		
3/30/2021		960	270	220	140				
3/31/2021						120	75		
4/1/2021	210								
8/18/2021	200	940			130	110	66		
8/19/2021			280	230					
2/8/2022								<1	<1
2/10/2022		890				100	73		
2/11/2022	190		260	230	120				
8/22/2022			260	220	130	110	61		
8/23/2022		910							<1
8/24/2022								<1	
8/31/2022	220								
2/22/2023	230	790	260	230					
2/23/2023					120	120	64	1.6	1.1
8/1/2023									<1
8/2/2023								0.5 (J)	
8/7/2023	240	760	260	240		110			
8/8/2023					110		55		
2/20/2024			310						
2/21/2024						110	64	1.6	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/26/2024	270			280					
2/27/2024		870			130				
2/28/2024									<1
8/1/2024			26						
8/2/2024				260	100	93	45		
8/5/2024	290	870						27	<1
2/19/2025	340							0.43 (J)	<1
2/20/2025				280	120	88			
2/21/2025		850	270				52		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							6	
10/17/2018		4						
10/18/2018	92		570	550	250	140		
2/19/2020				520				
2/9/2022	100	38		<1	240	150	0.76 (J)	
2/10/2022			720					110
8/22/2022					240			
8/23/2022		36	640					
8/24/2022	100			540		170	0.78 (J)	100
2/23/2023	120			660	260			
2/24/2023		45	700			160		100
2/28/2023							1.7	
8/1/2023	100		720					
8/2/2023		36		630	240	150	0.53 (J)	94
2/23/2024							0.55 (J)	110
2/26/2024	110							
2/27/2024		40	820	760	270	180		
8/1/2024	99						0.43 (J)	
8/2/2024						150		93
8/5/2024			630		140			
8/6/2024		33		750				
2/20/2025			460		190			
2/21/2025	92			890				
2/24/2025		40				150	<1	110

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	44	96	59		64	110	100		
5/11/2016				91				104	222
6/23/2016	38	91			58	118			
6/24/2016			39	78					
6/27/2016							117	112	275
8/16/2016	22	100	38		52	110			
8/17/2016				100			86	86	220
10/13/2016	66					120			
10/14/2016		100	34		58		80		
10/17/2016				58				60	
10/18/2016									210
12/5/2016						110			
12/6/2016	54	110	70	98	72		110	90	250
2/14/2017	18	76	32	78	52	86	98	54	210
4/10/2017						120			
4/11/2017	50	120	64	110	78		110		
4/12/2017								64	200
6/26/2017	60	110	64	110	80	130			
6/27/2017							18	40	180
10/10/2017	36	100				110			
10/11/2017			42	120	64		94	82	210
6/5/2018	8	74			50	76	80		
6/6/2018			46	120				100	210
12/13/2018	16	110	4 (J)	94	58	100	4 (J)		
12/14/2018								44	170
3/28/2019			43	110	58		79		
3/29/2019	<10	72				110			
4/1/2019									200
4/2/2019								91	
9/12/2019					22				
9/13/2019						200			
9/16/2019	17	91	19	57			42	76	
9/17/2019									140
3/17/2020		100	52		30		98		
3/18/2020	25			140		110			
3/25/2020								94	
3/26/2020									180
9/14/2020	20	93	55	110	36	95	71	99	200
3/30/2021	32	110				110			
3/31/2021			57	120	35				
4/1/2021								83	200
4/7/2021							95		
8/17/2021	27	110		130			97		
8/18/2021			66		53	120		140	210
2/9/2022	45	100	54	110	60		93	130	170
2/10/2022						130			
8/17/2022	82	130							
8/18/2022			64	140	94	170	88		200
8/19/2022								150	
2/21/2023	41		55		65				
2/22/2023		100		120				120	170
2/23/2023						130	90		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
8/1/2023	61	110			80			100	
8/7/2023			59	130					
8/8/2023						130	91		170
2/20/2024	45	100		130				120	
2/21/2024			54		78	140			160
2/27/2024							96		
7/31/2024	47	110	59	130	80	130	90		170
8/1/2024								130	
2/19/2025				120		130	92		160
2/20/2025	48	100	51		74			130	

Time Series

Constituent: TDS (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	330	527	68	80	195				
5/12/2016						190	309	298	46
6/27/2016	423								
6/28/2016			41	134	200	198	333	337	60
6/29/2016		562							
8/17/2016	410		70	42					
8/18/2016					200	180	320	310	48
8/22/2016		500							
10/17/2016	370		6	24	160	140	320		
10/18/2016		490						320	60
12/6/2016	420		40	70	220	110			
12/7/2016		510					340	270	64
2/14/2017	370								
2/15/2017			18	34	200	160	340	310	
2/16/2017		520							40
4/12/2017	370		18	36	180	140	300	280	
4/13/2017		590							76
6/27/2017	380	550	50	8	200	170	320	290	50
10/11/2017				56	190	170	340		
10/12/2017	400	560	46					330	68
6/6/2018	410	590	38	40	260				
6/7/2018						190	340	310	74
10/16/2018				100				350	
12/14/2018	390				190	140	280		
12/17/2018		510	38						42
4/1/2019	370	580	82	33	200	190	330	330	
4/2/2019									73
9/16/2019		550		<10	200				
9/17/2019	380		17			170	310	320	59
3/25/2020	360	540	59	38					
3/26/2020					200				
3/27/2020						200	330	330	99
9/14/2020	360	470	45	39	190	190			
9/15/2020							360	340	90
3/31/2021		430	64					300	
4/1/2021	360								88
4/6/2021							320		
4/7/2021				40	210	200			
8/18/2021	410								
8/19/2021		380	54	36		210	370	320	100
8/20/2021					220				
2/10/2022	400	410		39	210				100
2/11/2022			44			200		310	
2/14/2022							360		
8/18/2022	420	470		54	230	240			
8/19/2022			63				370	320	
11/16/2022									110
2/22/2023	350	430	56	41					
2/23/2023					220	230	390	300	130
8/2/2023				52		220			
8/7/2023		430	60		210			360	
8/8/2023	360						360		130

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/21/2024	320	380							
2/23/2024			52	55	170	220			
2/26/2024								320	140
2/27/2024							330		
8/1/2024	300	360		69	220	240	340	320	150
8/5/2024			86						
2/19/2025	330	310	93		220	280	350		150
2/20/2025				90				320	

Time Series

Constituent: TDS (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	261			386	260	212	288		
5/13/2016		728	366						
6/29/2016	323		370	436	311	214	272		
6/30/2016		742							
8/18/2016	310								
8/19/2016						230	290		
8/22/2016		670	350	290	390				
10/18/2016			340	200	300	190	270		
10/19/2016	330 (D)	700							
12/7/2016	370	720			310	230	300		
12/8/2016			350	370					
2/15/2017	350						260		
2/16/2017		600	340	350	310	200			
4/13/2017	390	640	350	380	300	220	300		
6/27/2017	350								
6/28/2017		540	340	320	290	190	250		
10/12/2017	380	640	370	350	290	230	280		
6/7/2018	360			320	260	210	220		
6/8/2018		820	320						
10/18/2018		1200		370					
12/14/2018	390								
12/17/2018			250		310	260	30		
1/2/2019		1600							
1/10/2019									41
4/2/2019	400	1700	420	370	300	240	250		
9/17/2019	380	1600	400	320	290				
9/18/2019						470	490		
2/13/2020									45
3/23/2020			390	330	330				
3/24/2020	430					250	210		
3/26/2020		1600							
9/15/2020	440	1500	450	350	390	250	210		
3/30/2021		1500	420	350	380				
3/31/2021						240	220		
4/1/2021	410								
8/18/2021	450	1400			380	260	210		
8/19/2021			440	340					
2/8/2022								37	48
2/10/2022		1400				250	230		
2/11/2022	440		440	350	350				
8/22/2022			450	370	380	3400	220		
8/23/2022		1300							65
8/24/2022								86	
11/16/2022	430								
2/22/2023	470	1200	440	350					
2/23/2023					350	260	210	51	59
8/1/2023									77
8/2/2023								55	
8/7/2023	470	1200	420	350		300			
8/8/2023					360		210		
2/20/2024			420						
2/21/2024						1000	230	53	

Time Series

Constituent: TDS (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/26/2024	490			380					
2/27/2024		1200			360				
2/28/2024									46
8/1/2024			410						
8/2/2024				360	380	220	190		
8/5/2024	520	1200						51	46
2/19/2025	520							53	52
2/20/2025				390	380	210			
2/21/2025		1100	420				190		

Time Series

Constituent: TDS (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							180	
10/17/2018		140						
10/18/2018	260		840	670	440	230		
2/19/2020				860				
2/9/2022	240	150		820	470	310	120	
2/10/2022			1200					320
8/22/2022					500			
8/23/2022		170	100					
8/24/2022	280			920		350	200	290
2/23/2023	260			950	490			
2/24/2023		160	1100			330		290
2/28/2023							120	
8/1/2023	270		1200					
8/2/2023		160		960	500	340	140	280
2/23/2024							130	280
2/26/2024	230							
2/27/2024		150	1100	1000	470	310		
8/1/2024	260						140	
8/2/2024						330		290
8/5/2024			1000		470			
8/6/2024		160		1100				
2/20/2025			980		430			
2/21/2025	240			1100				
2/24/2025		150				290	170	280

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
5/10/2016	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		
5/11/2016				<0.001				<0.001	<0.001
6/23/2016	8E-05 (J)	<0.001			<0.001	<0.001			
6/24/2016			0.0001 (J)	<0.001					
6/27/2016							<0.001	<0.001	<0.001
8/16/2016	9.5E-05 (J)	<0.001	<0.001		<0.001	<0.001			
8/17/2016				<0.001			<0.001	<0.001	<0.001
10/13/2016	<0.001					<0.001			
10/14/2016		<0.001	<0.001		<0.001		<0.001		
10/17/2016				<0.001				<0.001	
10/18/2016									<0.001
12/5/2016						<0.001			
12/6/2016	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/14/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/10/2017						<0.001			
4/11/2017	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001		
4/12/2017								<0.001	<0.001
6/26/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
6/27/2017							<0.001	<0.001	<0.001
3/26/2018	<0.001	<0.001	<0.001			<0.001			
3/27/2018				<0.001	<0.001		<0.001	<0.001	<0.001
6/5/2018	<0.001	<0.001			<0.001	<0.001	<0.001		
6/6/2018			<0.001	<0.001				<0.001	<0.001
10/5/2018	<0.001	<0.001	<0.001			<0.001			
10/8/2018				<0.001	<0.001		<0.001	<0.001	
10/9/2018									<0.001
2/18/2019	<0.001	<0.001		<0.001					
2/19/2019			<0.001		<0.001	<0.001	<0.001		
2/20/2019								<0.001	<0.001
3/28/2019			<0.001	<0.001	<0.001		<0.001		
3/29/2019	<0.001	<0.001				<0.001			
4/1/2019									<0.001
4/2/2019								<0.001	
9/12/2019					<0.001				
9/13/2019						<0.001			
9/16/2019	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001	
9/17/2019									<0.001
2/13/2020	<0.001	<0.001				<0.001			
2/17/2020					<0.001		<0.001		
2/18/2020			0.00033 (J)	0.00049 (J)				0.00028 (J)	0.00022 (J)
3/17/2020		<0.001	<0.001		<0.001		<0.001		
3/18/2020	0.00049 (J)			0.00021 (J)		<0.001			
3/25/2020								0.00049 (J)	
3/26/2020									<0.001
9/14/2020	0.00039 (J)	0.00016 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/30/2021	0.00035 (J)	0.00034 (J)				<0.001			
3/31/2021			<0.001	<0.001	<0.001				
4/1/2021								0.00023 (J)	0.00042 (J)
4/7/2021							<0.001		
8/17/2021	<0.001	<0.001		<0.001			<0.001		
8/18/2021			<0.001		0.0003 (J)	<0.001		0.00017 (J)	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-3 (bg)	SGWA-4 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWC-6	SGWC-7
2/9/2022	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
2/10/2022						<0.001			
8/17/2022	<0.001	<0.001							
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
8/19/2022								<0.001	
2/21/2023	<0.001		<0.001		<0.001				
2/22/2023		<0.001		<0.001				<0.001	<0.001
2/23/2023						<0.001	<0.001		
8/1/2023	<0.001	<0.001			<0.001			<0.001	
8/7/2023			<0.001	<0.001					
8/8/2023						<0.001	<0.001		<0.001
2/20/2024	<0.001	<0.001		<0.001				<0.001	
2/21/2024			<0.001		<0.001	<0.001			<0.001
2/27/2024							<0.001		
7/31/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
8/1/2024								<0.001	
2/19/2025				<0.001		<0.001	<0.001		<0.001
2/20/2025	<0.001	<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 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
5/11/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
5/12/2016						<0.001	<0.001	<0.001	<0.001
6/27/2016	<0.001								
6/28/2016			0.0001 (J)	<0.001	<0.001	<0.001	<0.001	9E-05 (J)	<0.001
6/29/2016		<0.001							
8/17/2016	<0.001		<0.001	<0.001					
8/18/2016					<0.001	<0.001	<0.001	<0.001	<0.001
8/22/2016		<0.001							
10/17/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001		
10/18/2016		<0.001						<0.001	<0.001
12/6/2016	<0.001		<0.001	<0.001	<0.001	<0.001			
12/7/2016		<0.001					<0.001	<0.001	<0.001
2/14/2017	<0.001								
2/15/2017			<0.001	<0.001	<0.001	<0.001	<0.001	8.5E-05 (J)	
2/16/2017		<0.001							<0.001
4/12/2017	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)	
4/13/2017		<0.001							<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001 (J)	<0.001
3/27/2018	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/28/2018		<0.001							
6/6/2018	<0.001	<0.001	<0.001	<0.001	<0.001				
6/7/2018						<0.001	<0.001	<0.001	<0.001
10/8/2018					<0.001	<0.001	<0.001		<0.001
10/9/2018	<0.001	<0.001	<0.001						
10/16/2018				<0.001				0.0001 (J)	
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	9.8E-05 (J)	<0.001
4/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	9.5E-05 (J)	
4/2/2019									<0.001
9/16/2019		<0.001		<0.001	<0.001				
9/17/2019	0.00023 (J)		<0.001			<0.001	<0.001	0.00016 (J)	<0.001
2/18/2020	0.0002 (J)			0.00016 (J)					
2/19/2020		0.00027 (J)	0.00075 (J)		0.00034 (J)	0.00022 (J)	0.00018 (J)	0.00031 (J)	<0.001
3/25/2020	0.00079 (J)	<0.001	<0.001	<0.001					
3/26/2020					<0.001				
3/27/2020						<0.001	0.0011	0.00045 (J)	<0.001
9/14/2020	<0.001	<0.001	<0.001	<0.001	0.00023 (J)	<0.001			
9/15/2020							0.00035 (J)	0.00027 (J)	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/31/2021		<0.001	<0.001					<0.001	
4/1/2021	0.00021 (J)								<0.001
4/6/2021							0.00017 (J)		
4/7/2021				<0.001	<0.001	<0.001			
8/18/2021	<0.001								
8/19/2021		0.0004 (J)	0.00024 (J)	0.00015 (J)		<0.001	<0.001	<0.001	<0.001
8/20/2021					<0.001				
2/10/2022	<0.001	<0.001		<0.001	<0.001				<0.001
2/11/2022			<0.001			<0.001		<0.001	
2/14/2022							<0.001		
8/18/2022	<0.001	<0.001		<0.001	<0.001	<0.001			
8/19/2022			<0.001				<0.001	<0.001	
8/31/2022									<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15	SGWC-16
2/23/2023					<0.001	<0.001	<0.001	<0.001	<0.001
8/2/2023				<0.001		<0.001			
8/7/2023		<0.001	<0.001		<0.001			<0.001	
8/8/2023	<0.001						<0.001		<0.001
2/21/2024	<0.001	<0.001							
2/23/2024			<0.001	<0.001	<0.001	<0.001			
2/26/2024								<0.001	<0.001
2/27/2024							<0.001		
8/1/2024	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/5/2024			<0.001						
2/19/2025	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001		<0.001
2/20/2025				<0.001				<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
5/12/2016	<0.001			<0.001	<0.001	<0.001	<0.001		
5/13/2016		<0.001	<0.001						
6/29/2016	<0.001		<0.001	0.0002 (J)	<0.001	<0.001	<0.001		
6/30/2016		0.0002 (J)							
8/18/2016	<0.001								
8/19/2016						<0.001	<0.001		
8/22/2016		0.00015 (J)	<0.001	0.00018 (J)	<0.001				
10/18/2016			<0.001	0.00016 (J)	<0.001	<0.001	<0.001		
10/19/2016	<0.001	0.00012 (J)							
12/7/2016	<0.001	9.5E-05 (J)			<0.001	<0.001	<0.001		
12/8/2016			<0.001	0.0001 (J)					
2/15/2017	<0.001						<0.001		
2/16/2017		0.00013 (J)	<0.001	0.00014 (J)	<0.001	<0.001			
4/13/2017	<0.001	0.00012 (J)	<0.001	0.00021 (J)	<0.001	<0.001	<0.001		
6/27/2017	<0.001								
6/28/2017		0.00013 (J)	<0.001	0.00018 (J)	<0.001	<0.001	<0.001		
3/27/2018	<0.001						<0.001		
3/28/2018		0.00011 (J)	<0.001	9E-05 (J)	<0.001	<0.001			
6/7/2018	<0.001			0.00014 (J)	<0.001	<0.001	<0.001		
6/8/2018		0.00019 (J)	<0.001						
10/8/2018	<0.001				<0.001	<0.001	<0.001		
10/9/2018			<0.001						
10/18/2018		0.00019 (J)		0.00018 (J)					
1/2/2019		<0.001							
1/10/2019									<0.001
2/19/2019						<0.001	<0.001		
2/20/2019	<0.001	0.00021 (J)	<0.001	0.00018 (J)	<0.001				
4/2/2019	<0.001	0.00016 (J)	<0.001	0.00017 (J)	<0.001	<0.001	<0.001		
9/17/2019	<0.001	0.00025 (J)	<0.001	0.00021 (J)	<0.001				
9/18/2019						<0.001	<0.001		
2/13/2020									<0.001
2/18/2020				0.00033 (J)	<0.001	<0.001	<0.001		
2/19/2020	<0.001		<0.001						
2/20/2020		0.00066 (J)							
3/23/2020			<0.001	0.00016 (J)	<0.001				
3/24/2020	<0.001					<0.001	<0.001		
3/26/2020		0.00029 (J)							
9/15/2020	<0.001	0.00027 (J)	<0.001	0.00028 (J)	<0.001	0.00038 (J)	0.00016 (J)		
2/10/2021	0.00024 (J)	0.00068 (J)	<0.001	0.00025 (J)	<0.001	<0.001	<0.001		
3/30/2021		0.00024 (J)	<0.001	0.00018 (J)	<0.001				
3/31/2021						<0.001	<0.001		
4/1/2021	<0.001								
8/18/2021	<0.001	0.00022 (J)			<0.001	<0.001	<0.001		
8/19/2021			<0.001	0.00018 (J)					
2/8/2022								<0.001	<0.001
2/10/2022		<0.001				<0.001	<0.001		
2/11/2022	<0.001		<0.001	<0.001	<0.001				
8/22/2022			<0.001	<0.001	<0.001	<0.001	<0.001		
8/23/2022		<0.001							<0.001
8/24/2022								<0.001	
8/31/2022	<0.001								
2/22/2023	<0.001	<0.001	<0.001	<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S
2/23/2023					<0.001	<0.001	<0.001	<0.001	<0.001
8/1/2023									<0.001
8/2/2023								<0.001	
8/7/2023	<0.001	<0.001	<0.001	<0.001		<0.001			
8/8/2023					<0.001		<0.001		
2/20/2024			<0.001						
2/21/2024						<0.001	<0.001	<0.001	
2/26/2024	<0.001			<0.001					
2/27/2024		<0.001			<0.001				
2/28/2024									<0.001
8/1/2024			<0.001						
8/2/2024				<0.001	<0.001	<0.001	<0.001		
8/5/2024	<0.001	<0.001						<0.001	<0.001
2/19/2025	<0.001							<0.001	<0.001
2/20/2025				<0.001	<0.001	<0.001			
2/21/2025		<0.001	<0.001				<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/12/2025 10:41 AM

Plant Scherer Client: Southern Company Data: Scherer AP

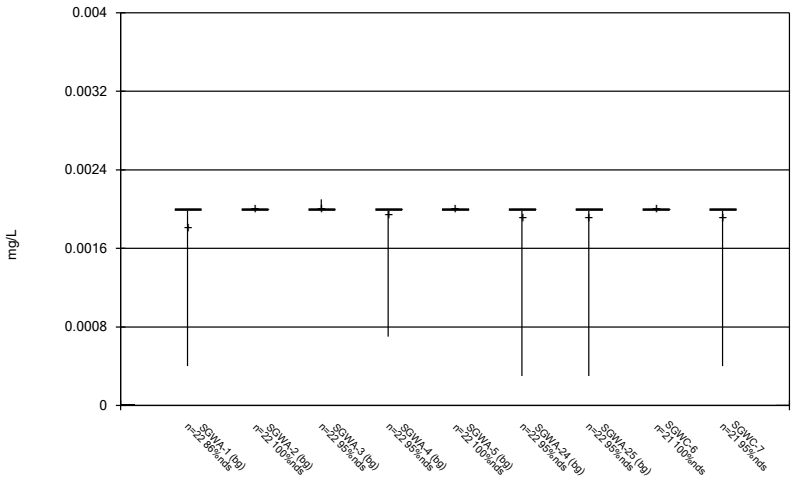
	PZ-17I	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018							<0.001	
10/17/2018		<0.001						
10/18/2018	<0.001		<0.001	<0.001	<0.001	<0.001		
2/19/2020				0.00034 (J)				
2/9/2022	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	
2/10/2022			<0.001					<0.001
8/22/2022					<0.001			
8/23/2022		<0.001	<0.001					
8/24/2022	<0.001			<0.001		<0.001	<0.001	<0.001
2/23/2023	<0.001			<0.001	<0.001			
2/24/2023		<0.001	<0.001			<0.001		<0.001
2/28/2023							<0.001	
8/1/2023	<0.001		<0.001					
8/2/2023		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
2/23/2024							<0.001	<0.001
2/26/2024	<0.001							
2/27/2024		<0.001	<0.001	<0.001	<0.001	<0.001		
8/1/2024	<0.001						<0.001	
8/2/2024						<0.001		<0.001
8/5/2024			<0.001		<0.001			
8/6/2024		<0.001		<0.001				
2/20/2025			<0.001		<0.001			
2/21/2025	<0.001			<0.001				
2/24/2025		<0.001				<0.001	<0.001	<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

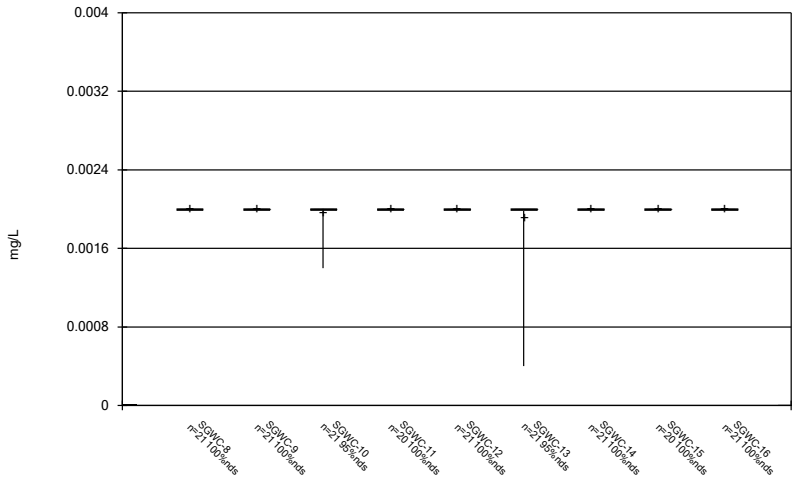
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/12/2025 10:45 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

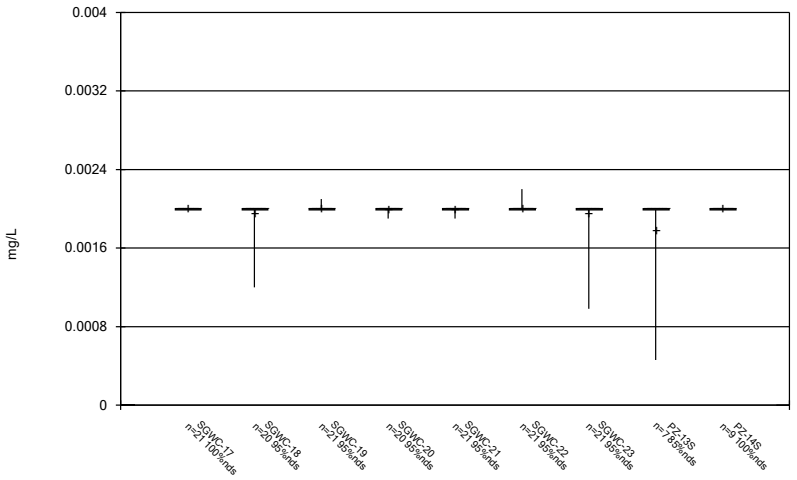
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/12/2025 10:45 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

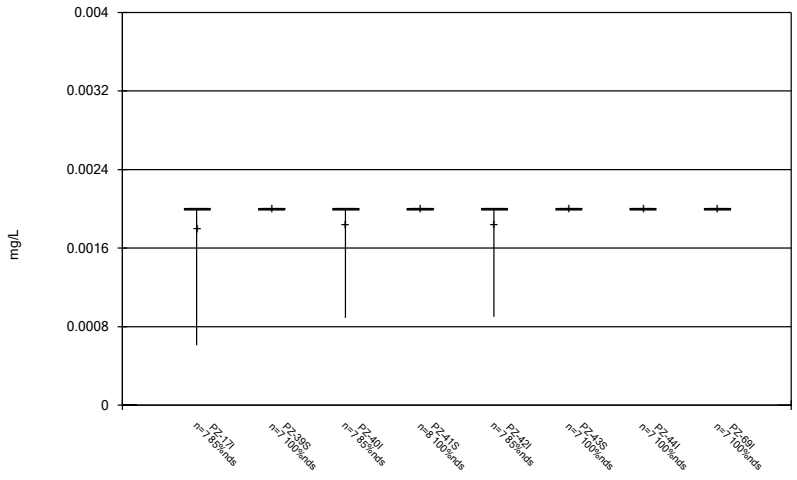
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/12/2025 10:45 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

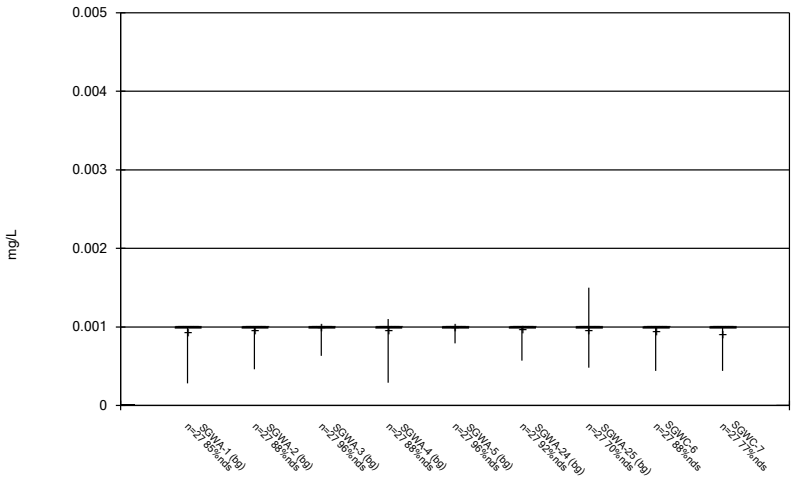
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/12/2025 10:45 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

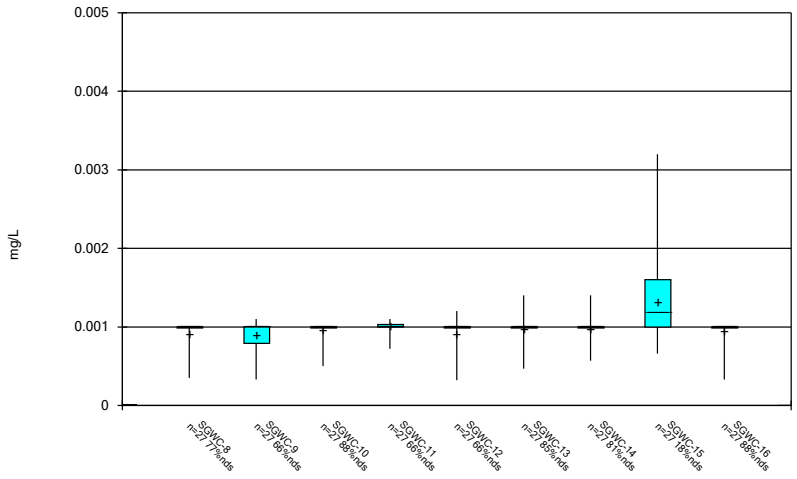


Constituent: Arsenic Analysis Run 5/12/2025 10:45 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

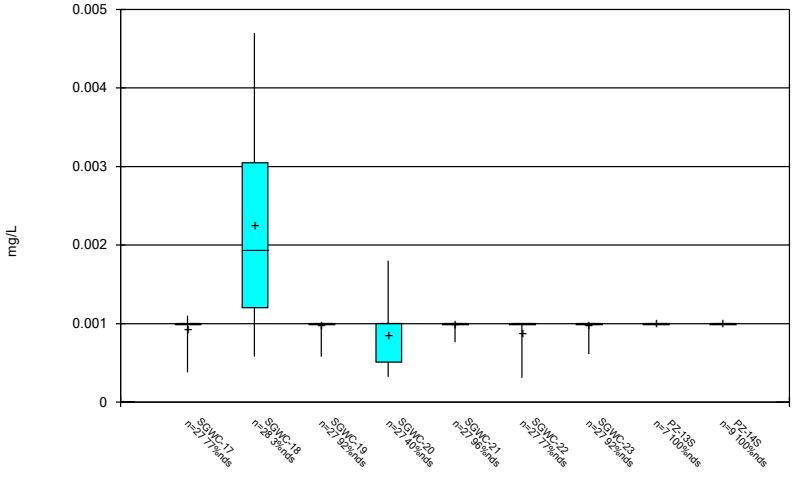


Constituent: Arsenic Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

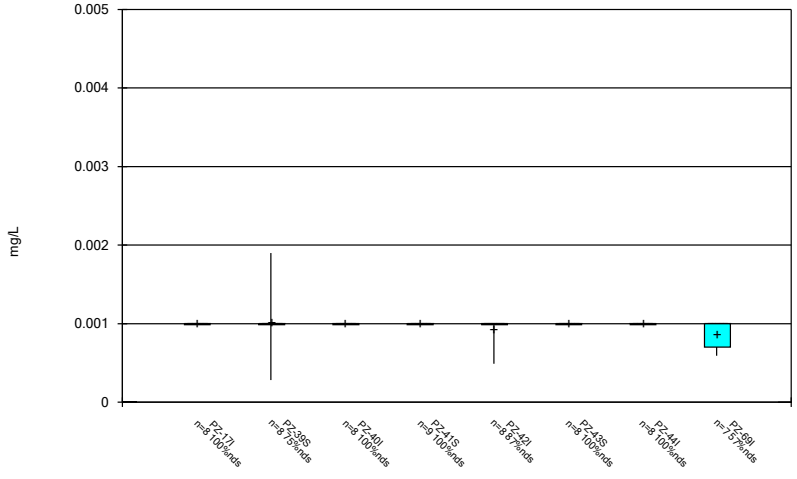


Constituent: Arsenic Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

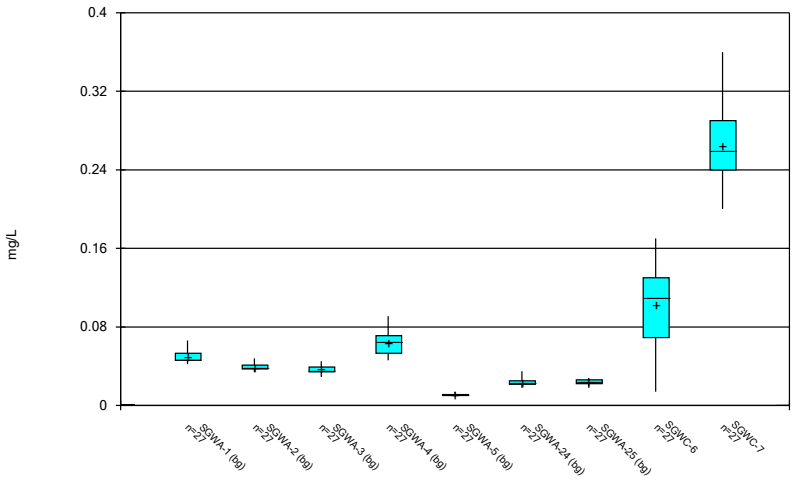


Constituent: Arsenic Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

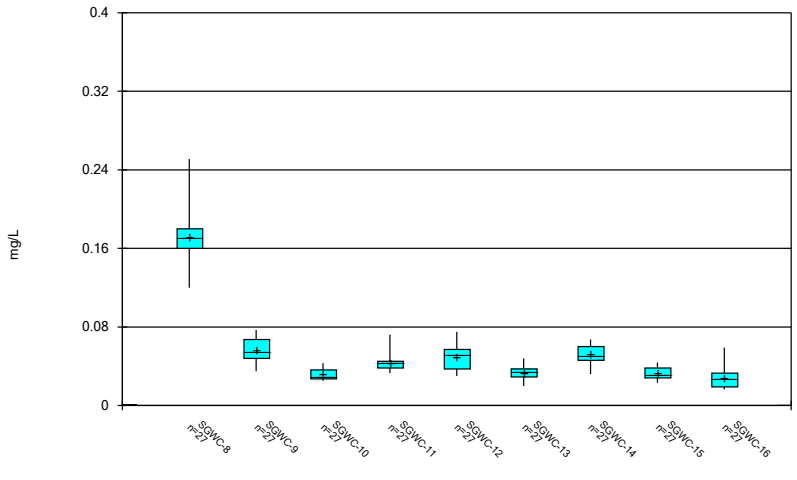


Constituent: Barium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

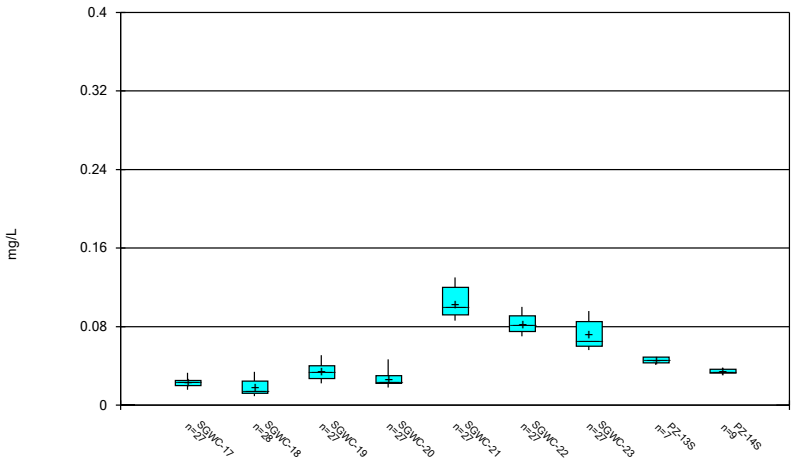


Constituent: Barium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

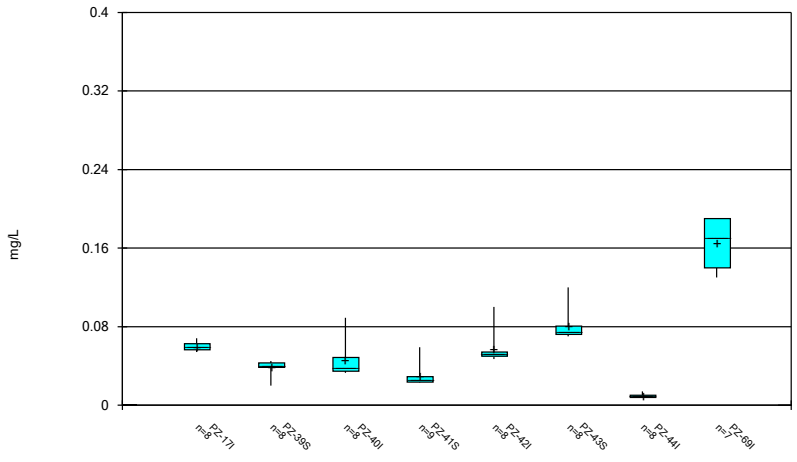


Constituent: Barium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

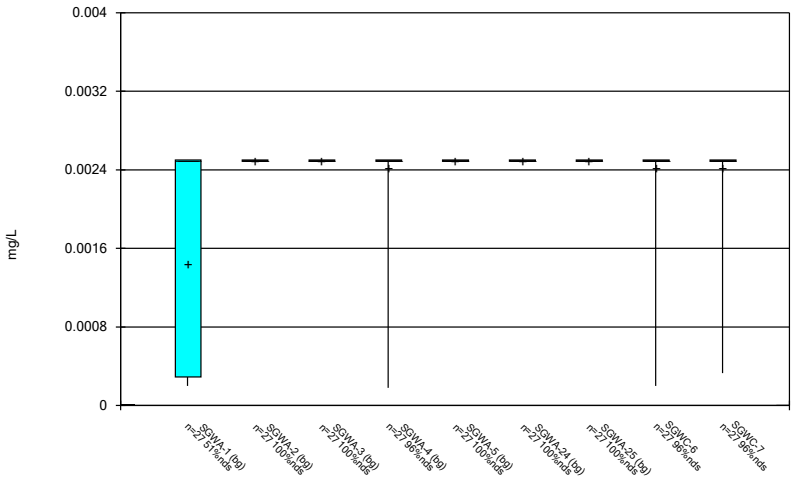


Constituent: Barium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

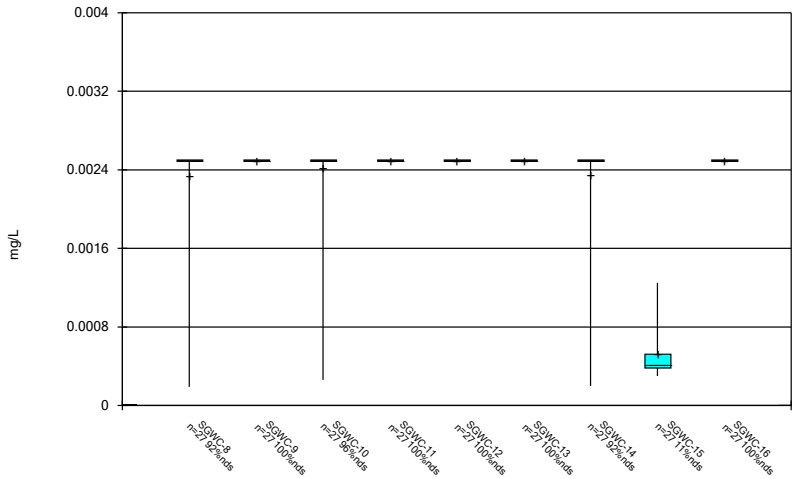


Constituent: Beryllium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

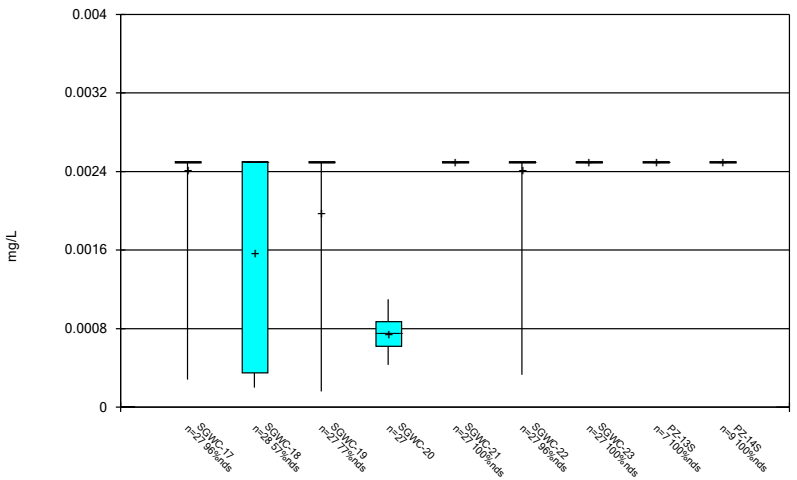


Constituent: Beryllium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

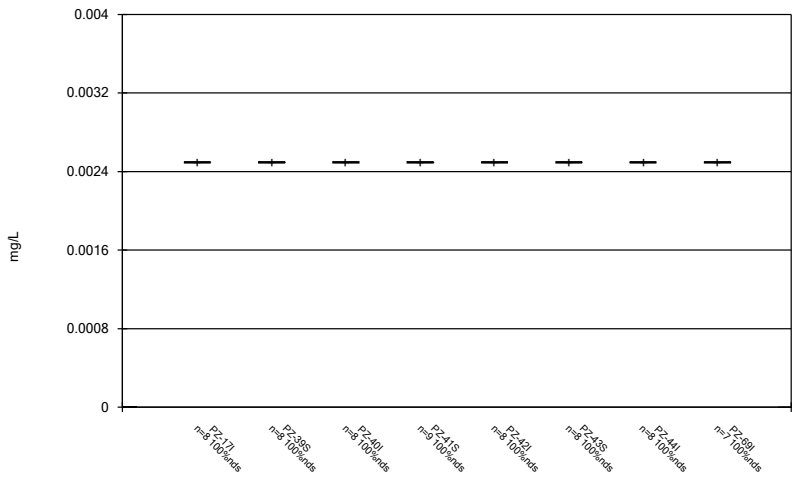


Constituent: Beryllium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

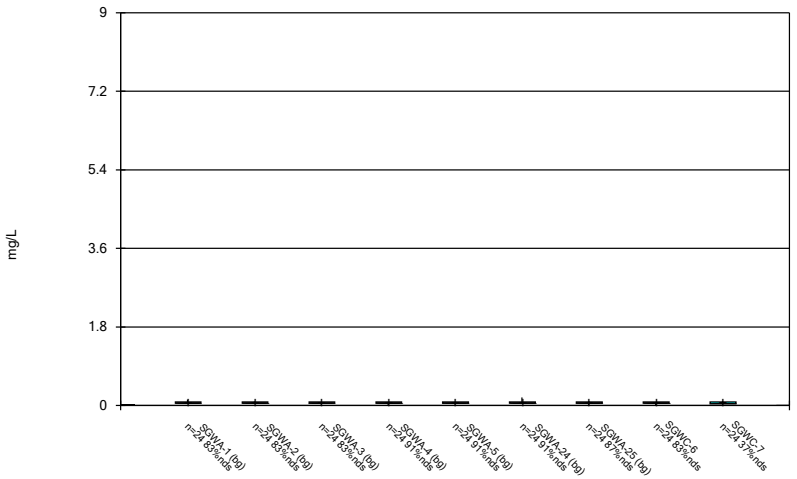


Constituent: Beryllium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

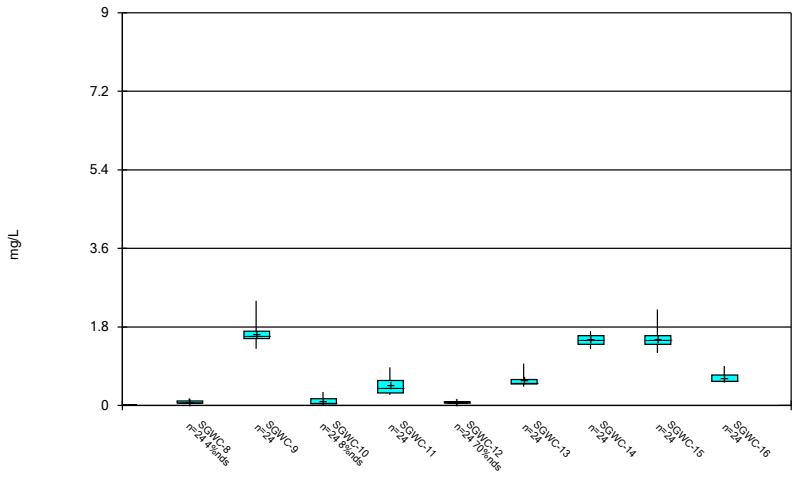


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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

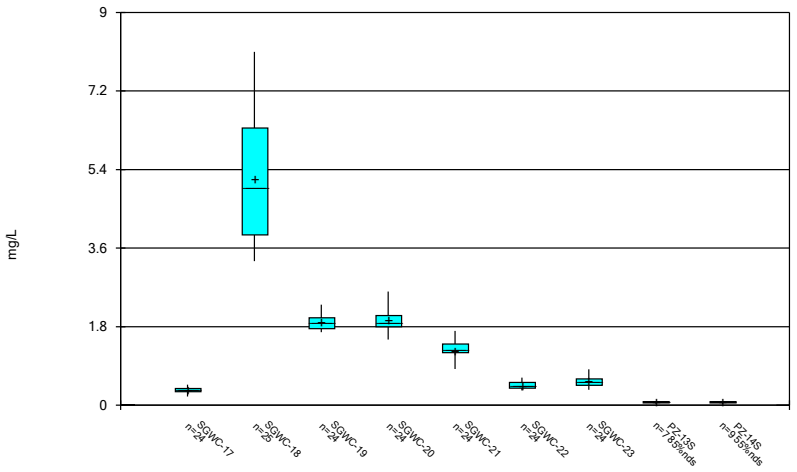


Constituent: Boron Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

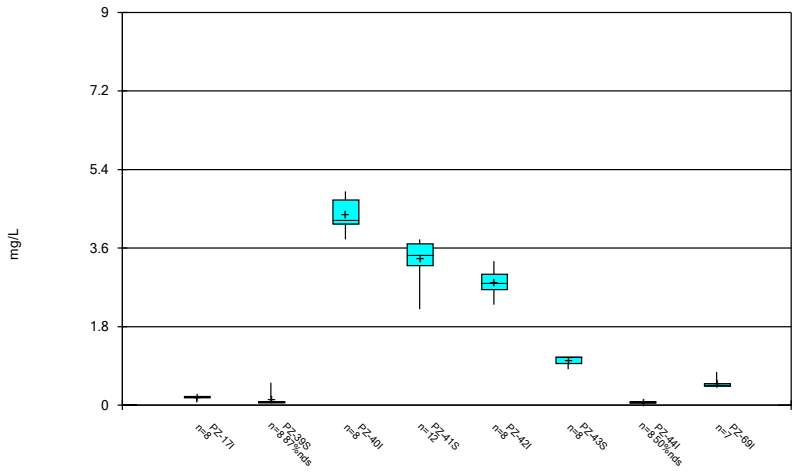


Constituent: Boron Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

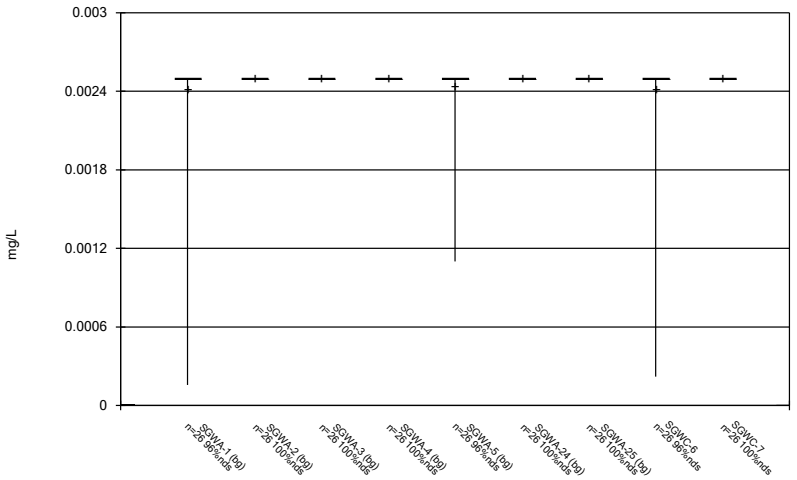


Constituent: Boron Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

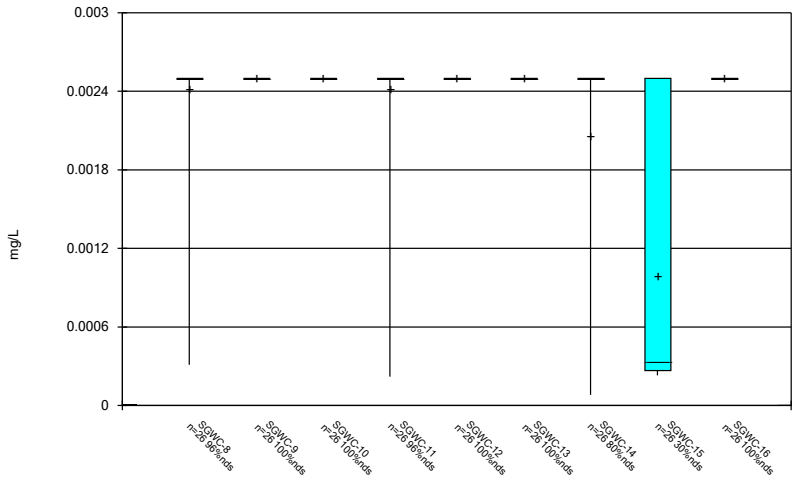


Constituent: Cadmium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

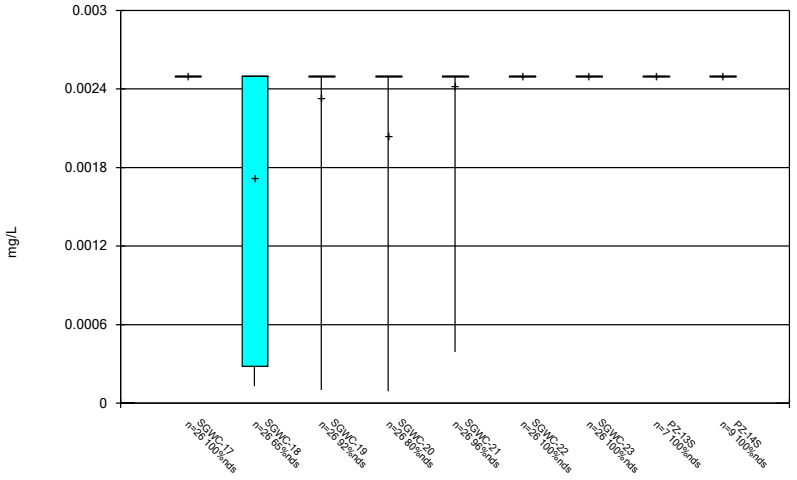


Constituent: Cadmium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

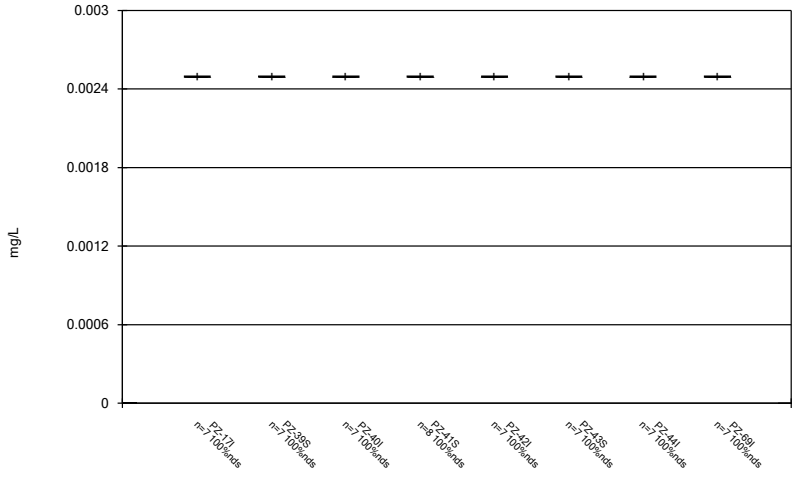


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

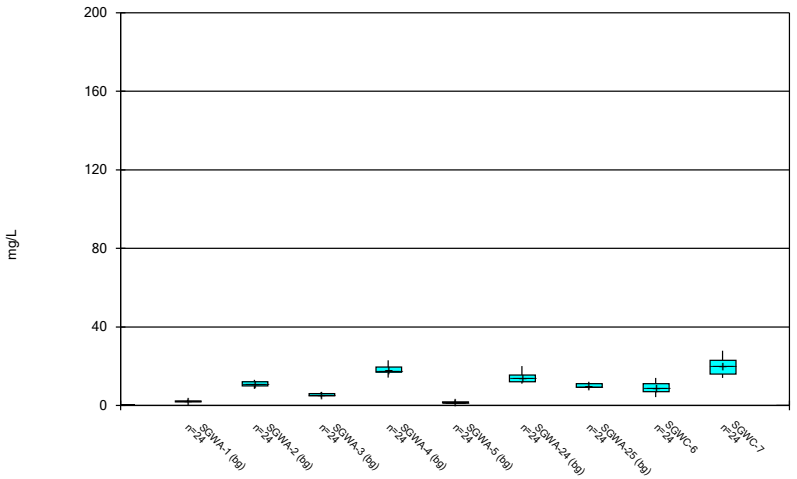


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

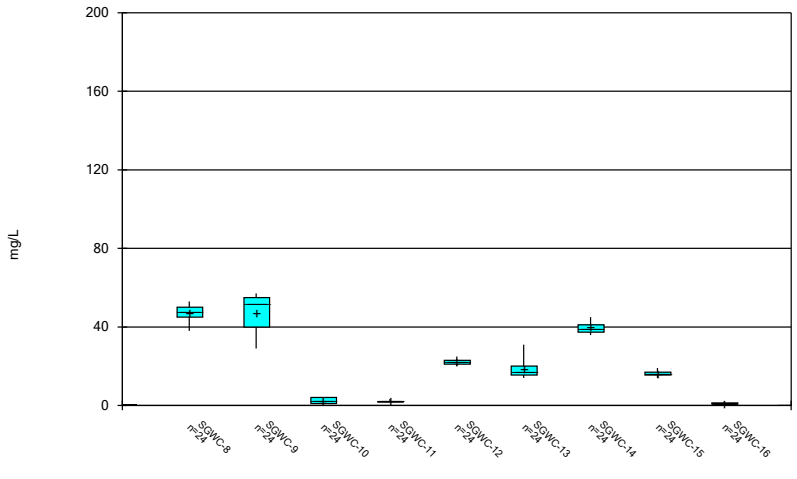


Constituent: Calcium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

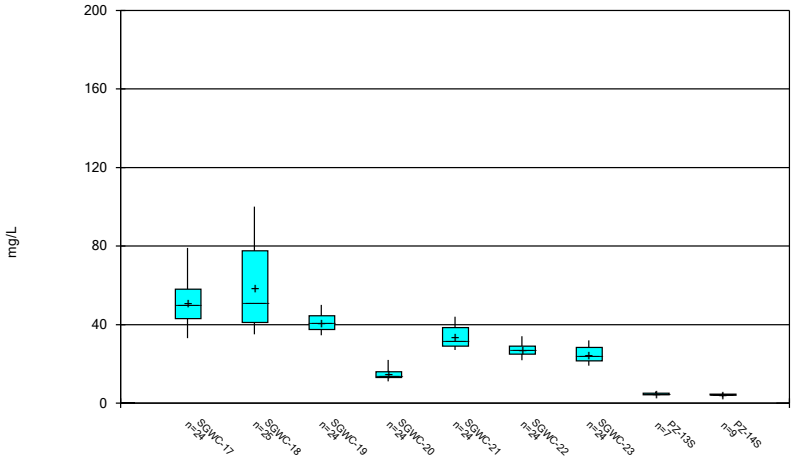


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

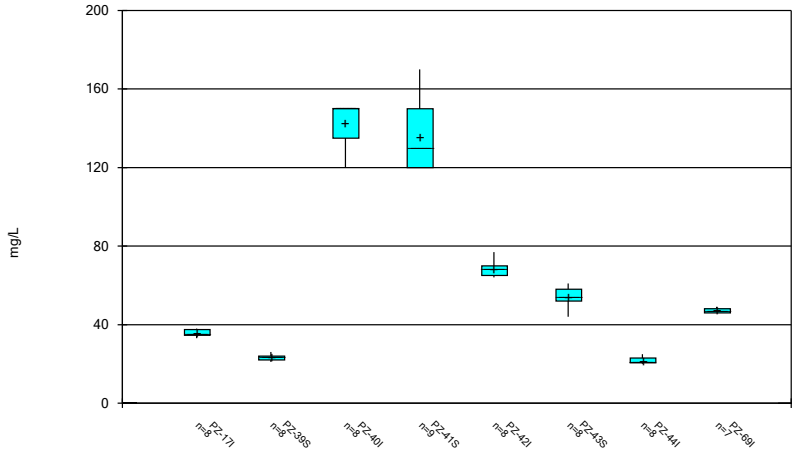


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

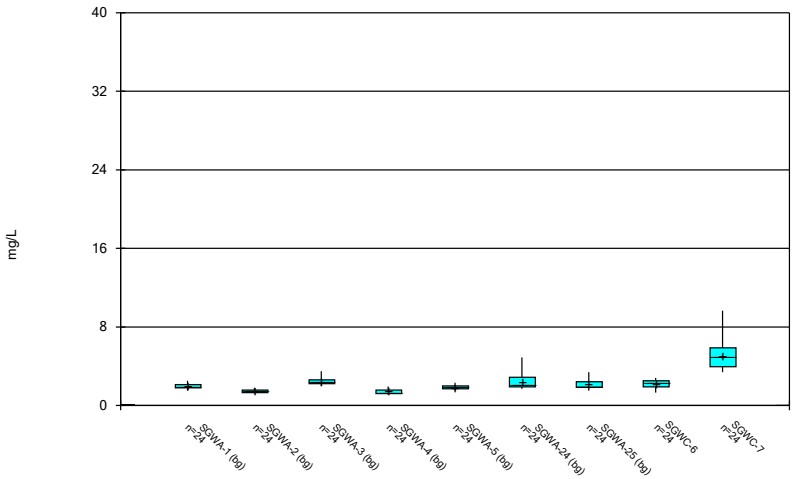


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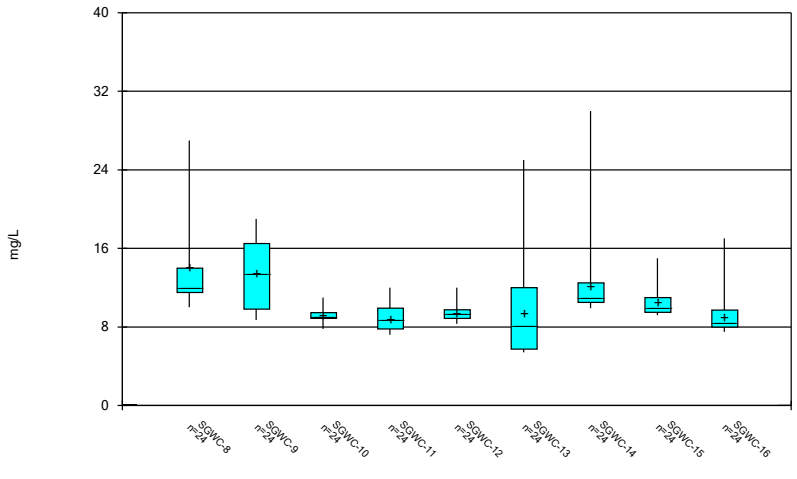
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/12/2025 10:46 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

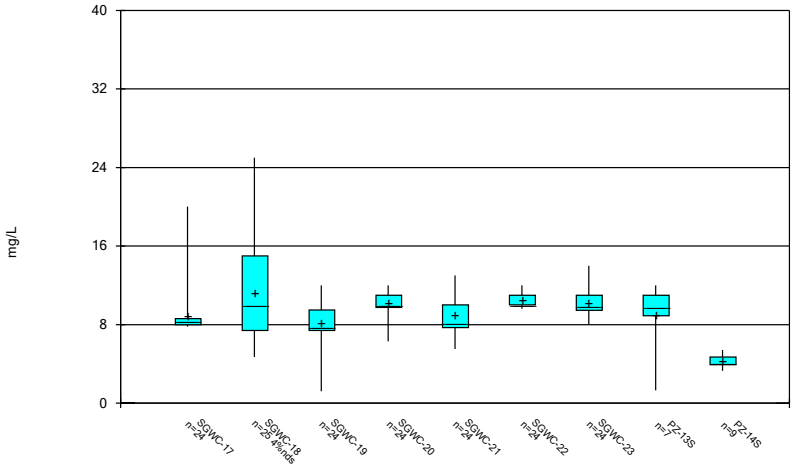
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/12/2025 10:46 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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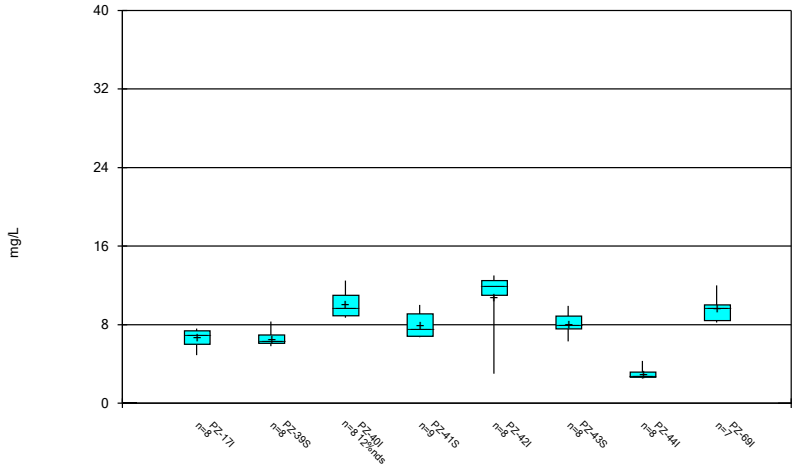
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/12/2025 10:46 AM
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Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

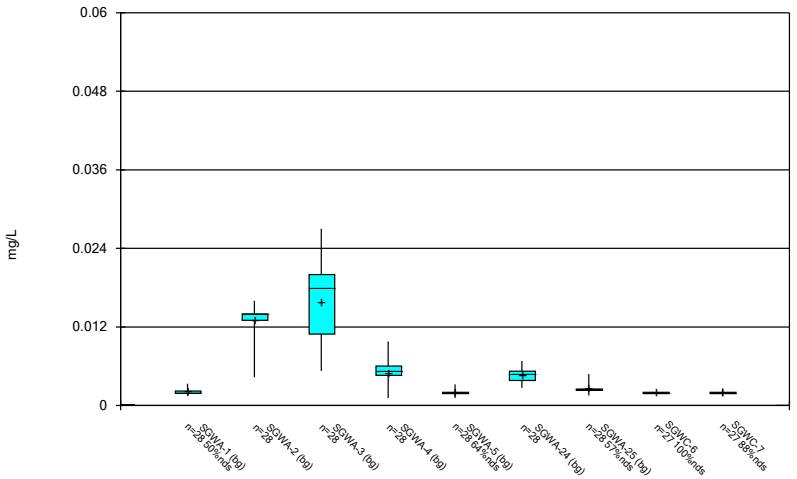
Box & Whiskers Plot



Constituent: Chloride Analysis Run 5/12/2025 10:46 AM
Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

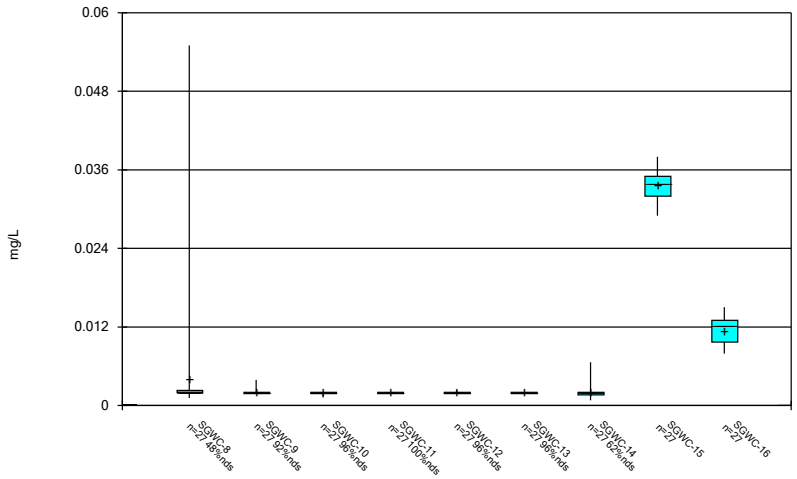


Constituent: Chromium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

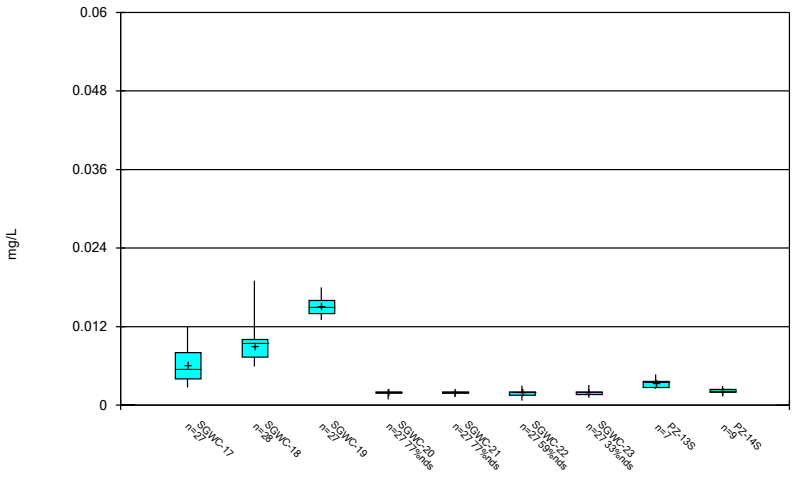


Constituent: Chromium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

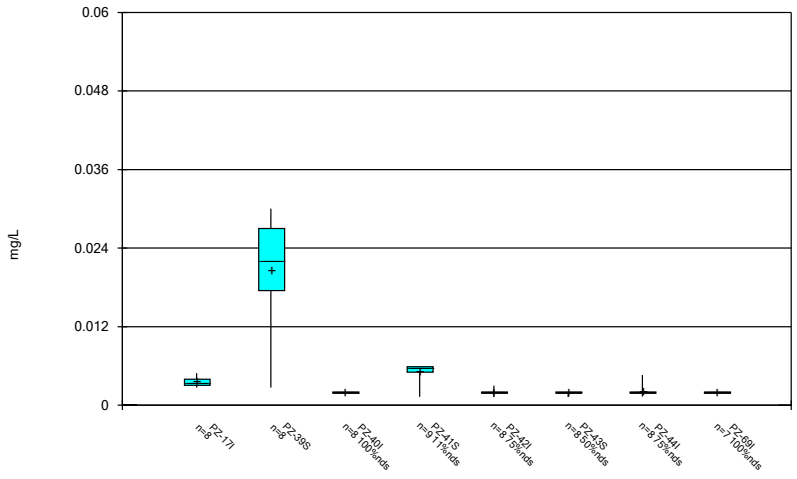


Constituent: Chromium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

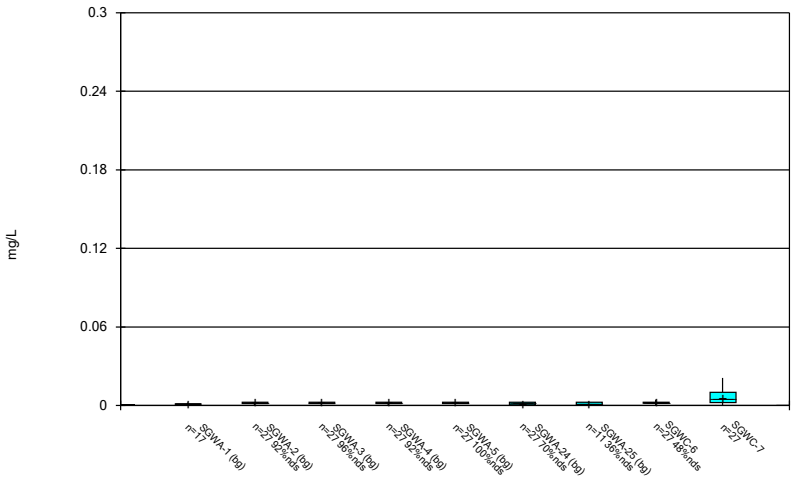


Constituent: Chromium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

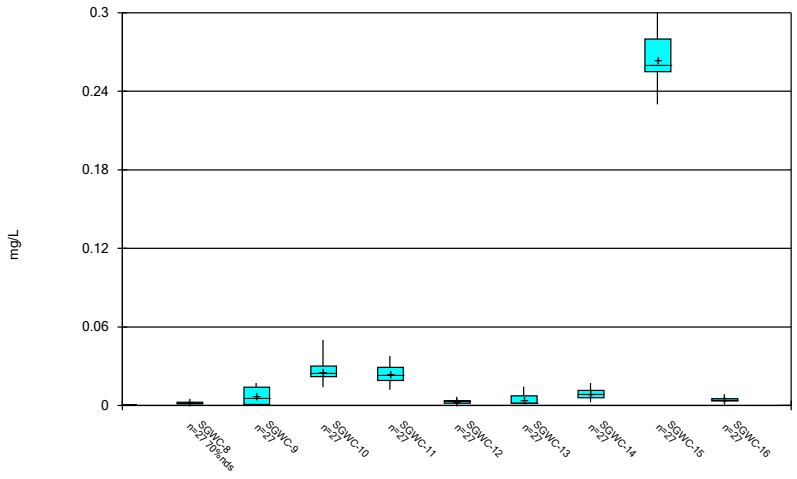


Constituent: Cobalt Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

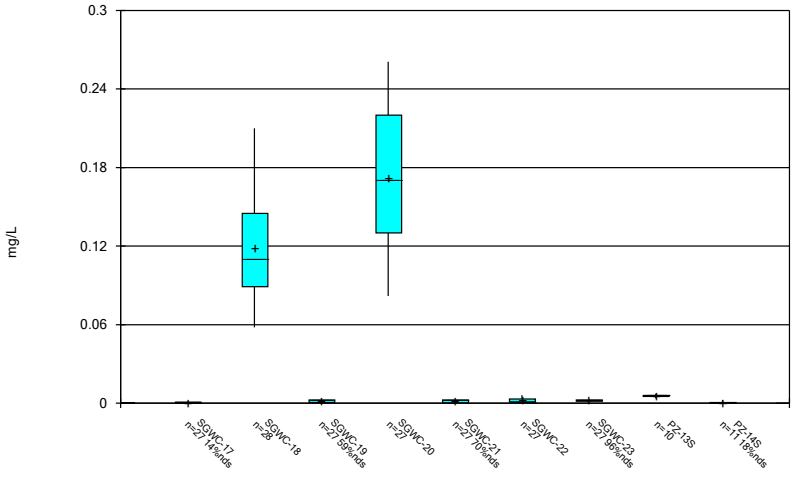


Constituent: Cobalt Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

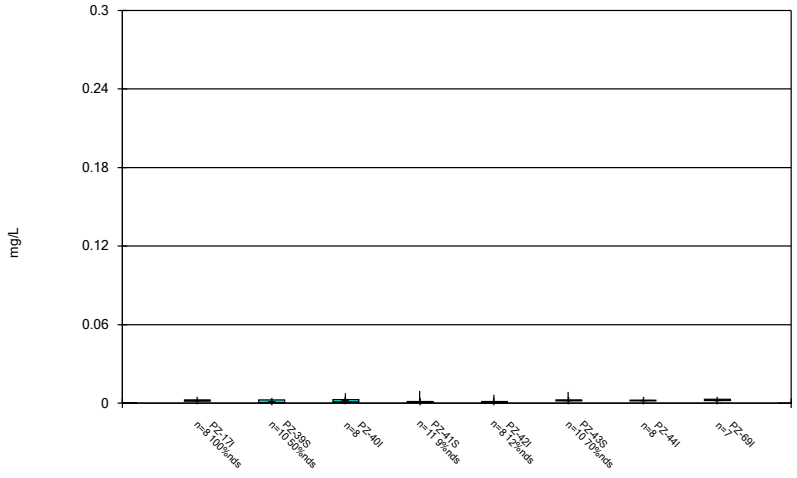


Constituent: Cobalt Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

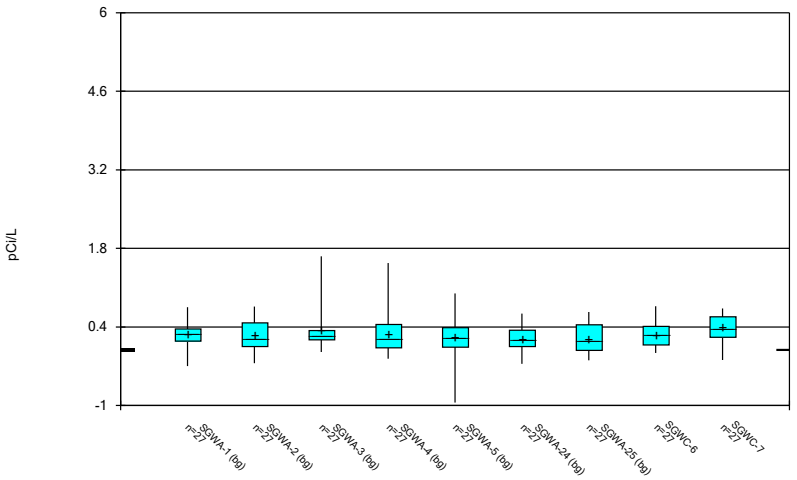


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Plant Scherer Client: Southern Company Data: Scherer AP

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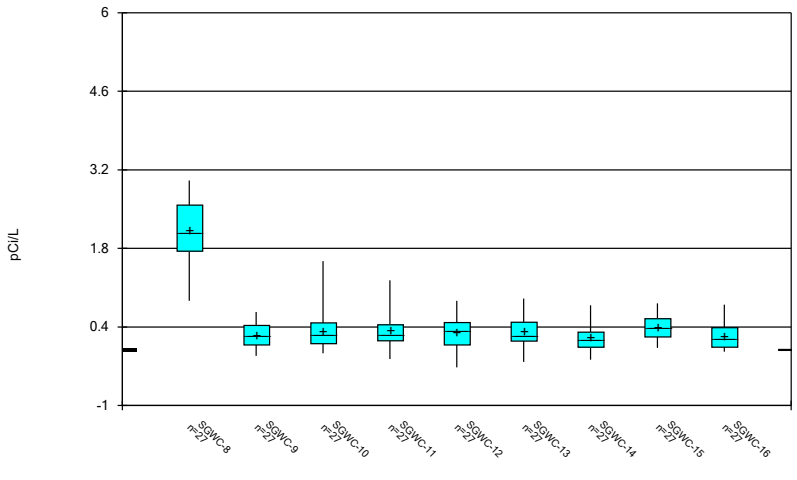
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:46 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

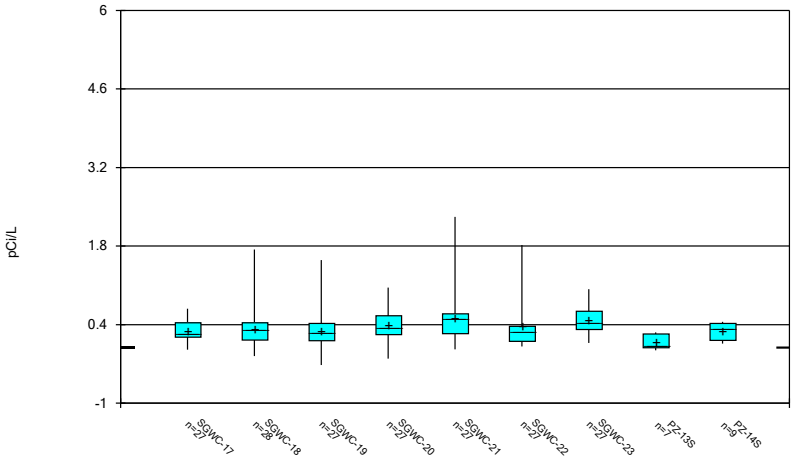
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:46 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

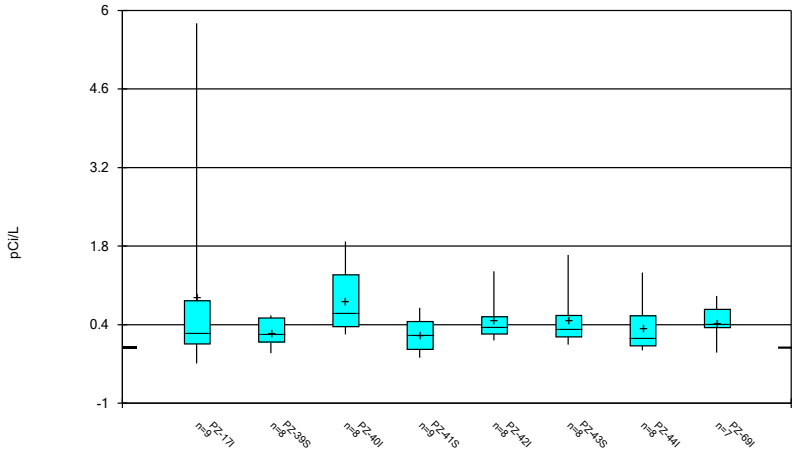
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:46 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

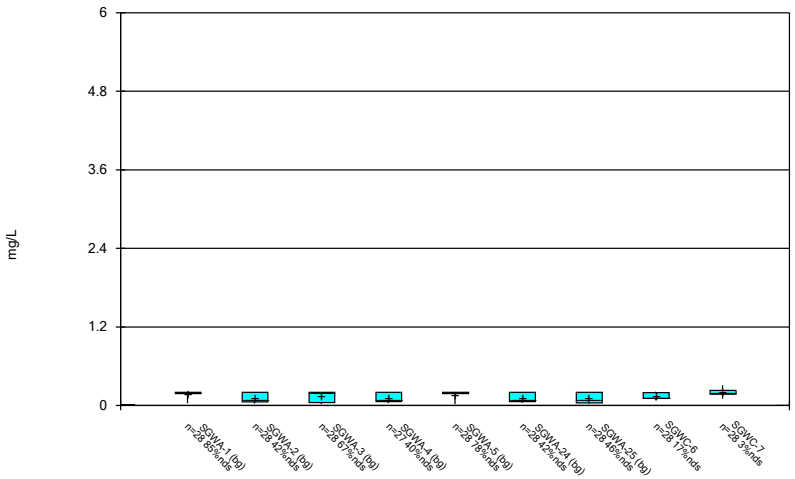
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 5/12/2025 10:46 AM
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

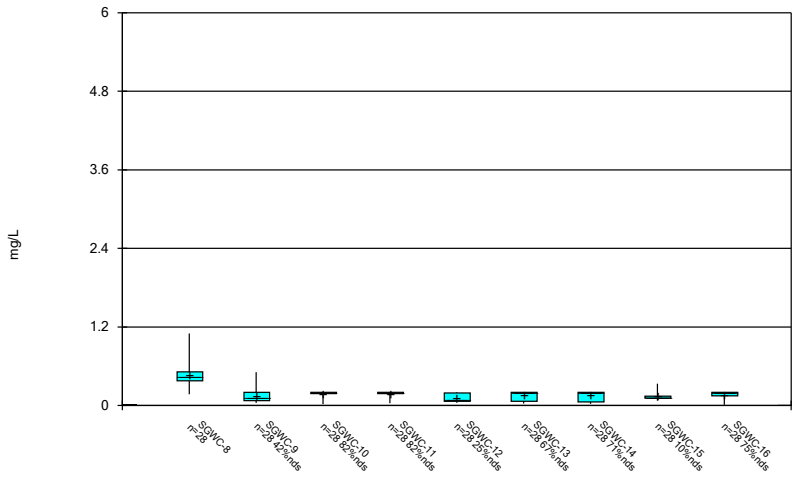


Constituent: Fluoride Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

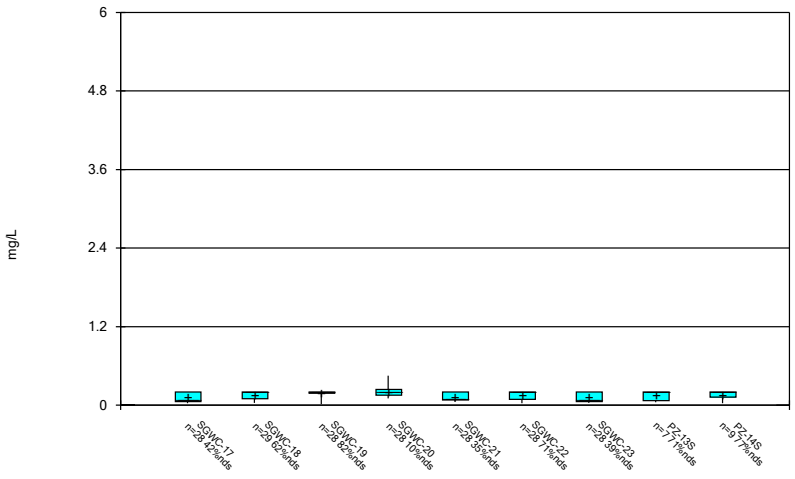


Constituent: Fluoride Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

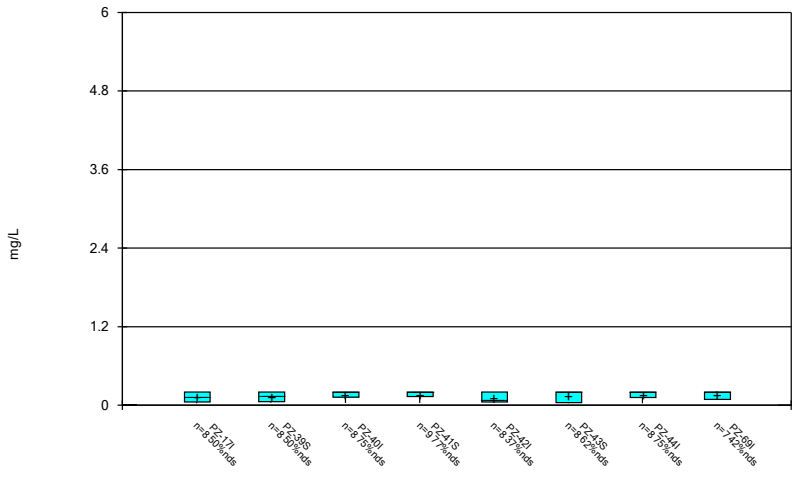


Constituent: Fluoride Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

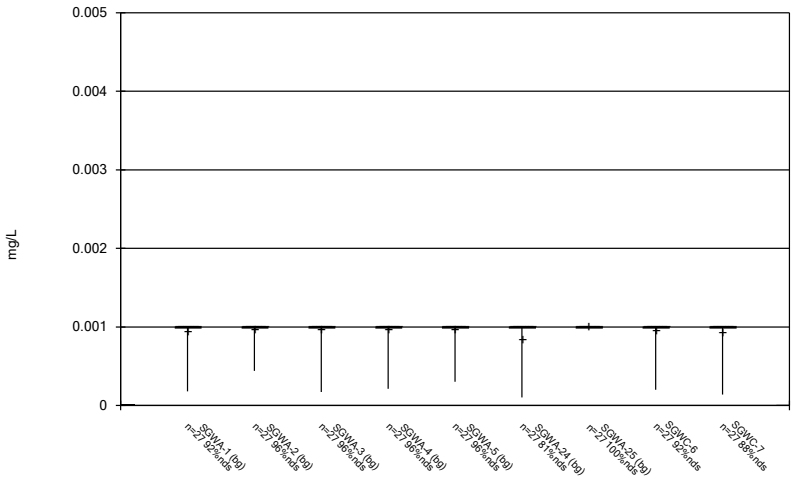


Constituent: Fluoride Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

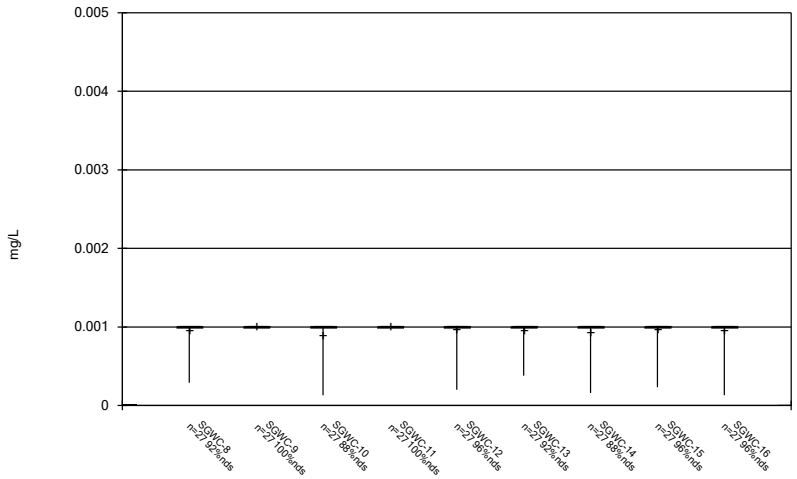


Constituent: Lead Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

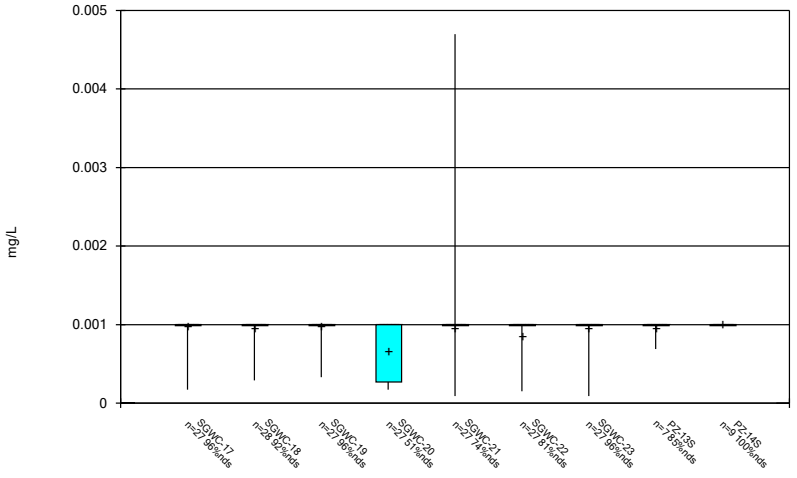


Constituent: Lead Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

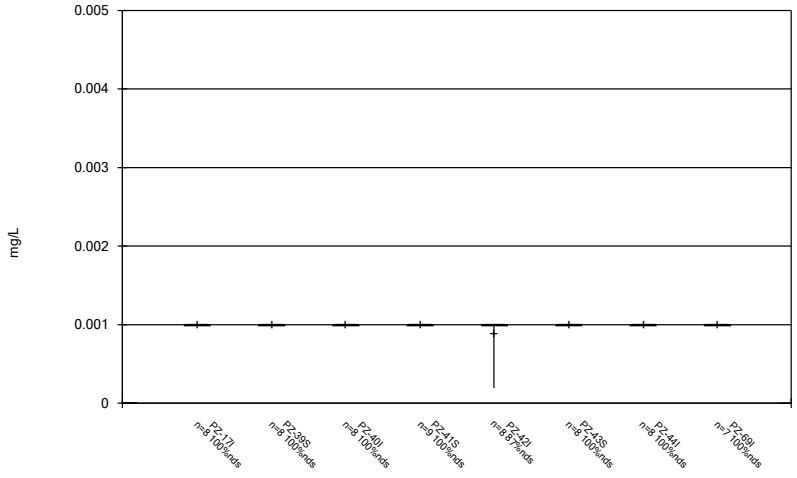


Constituent: Lead Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

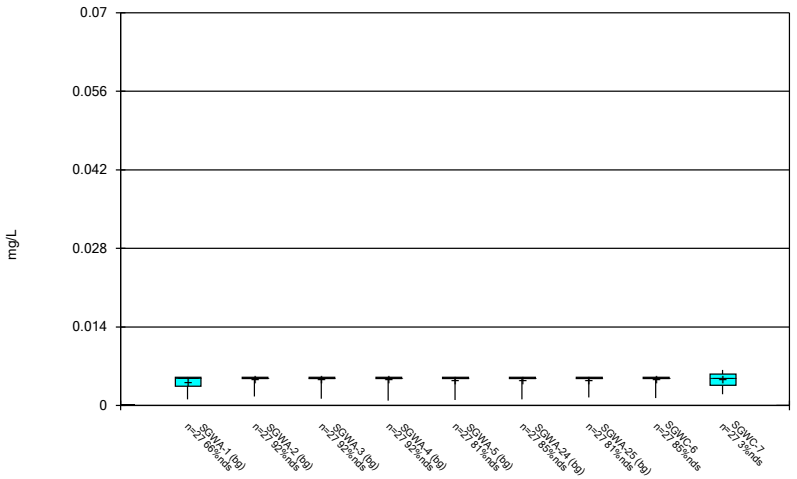


Constituent: Lead Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

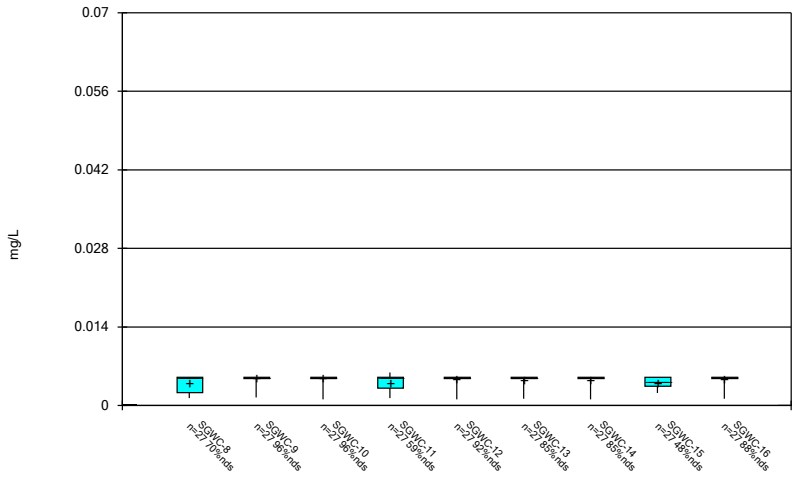


Constituent: Lithium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

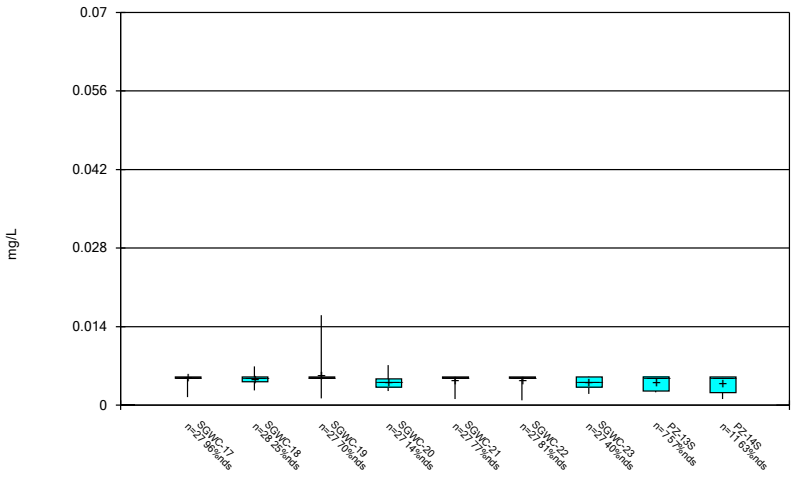


Constituent: Lithium Analysis Run 5/12/2025 10:46 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

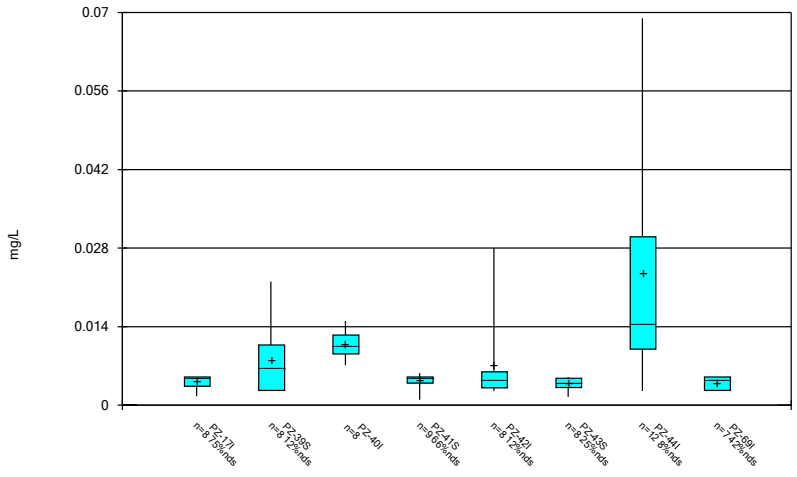


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

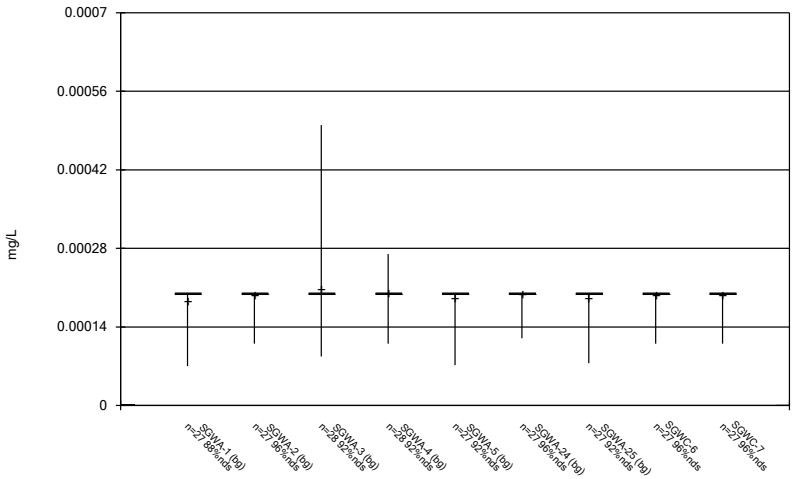


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Box & Whiskers Plot

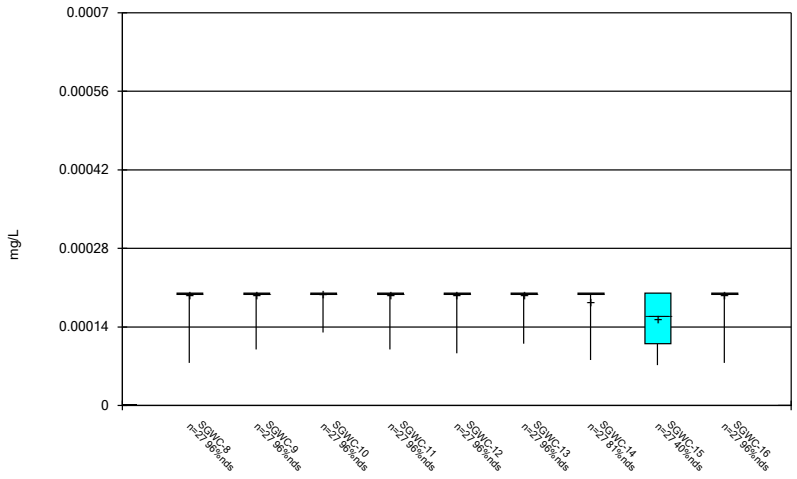


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

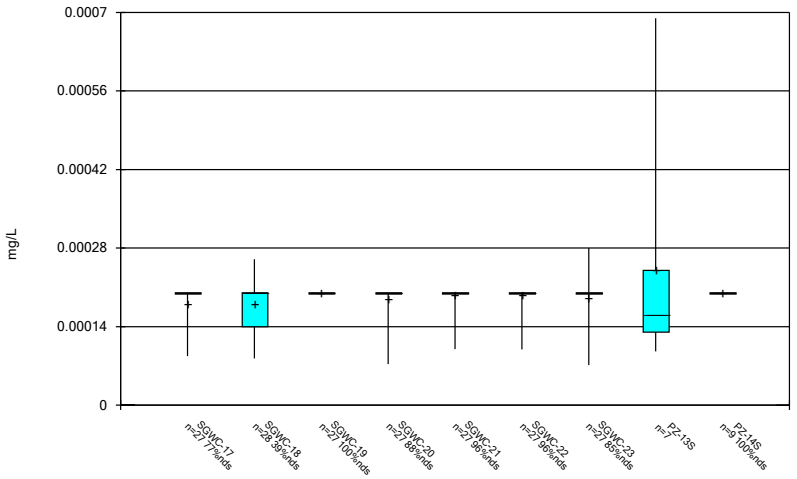


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

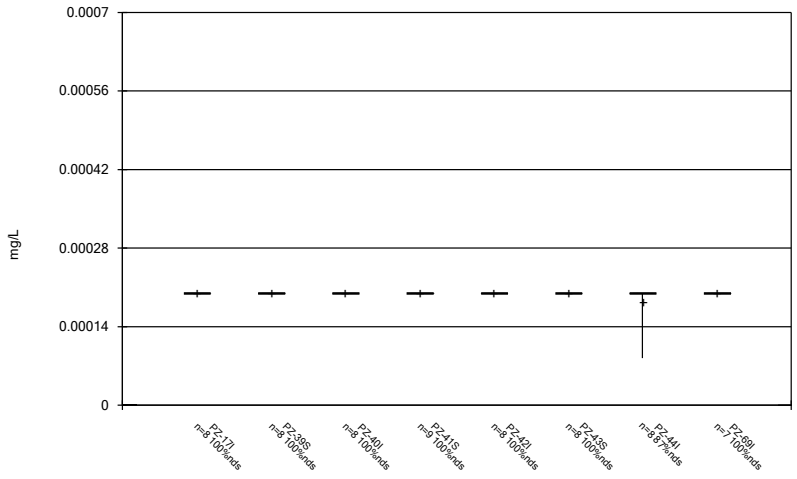


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Box & Whiskers Plot

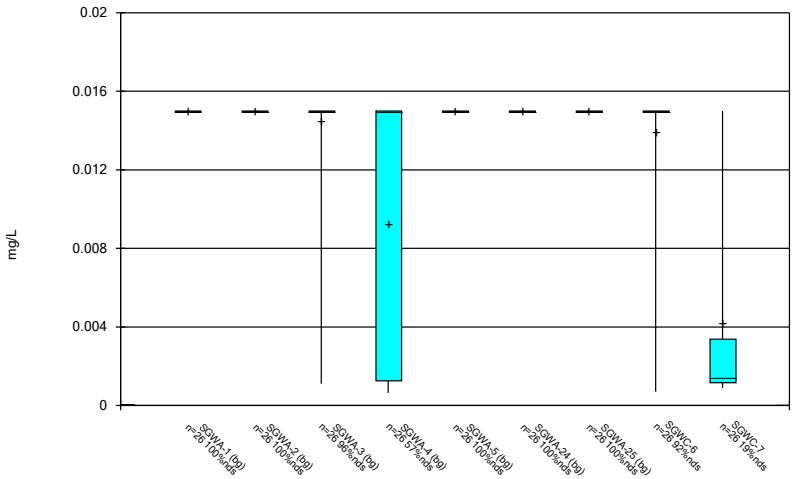


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

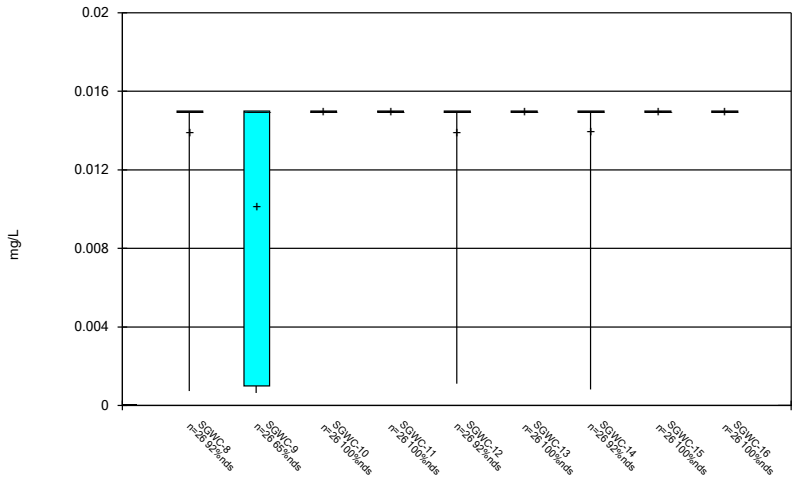


Constituent: Molybdenum Analysis Run 5/12/2025 10:47 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

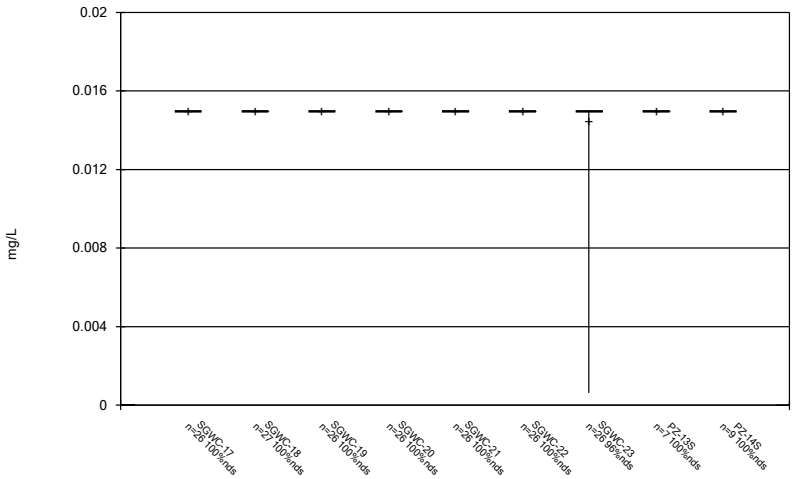


Constituent: Molybdenum Analysis Run 5/12/2025 10:47 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

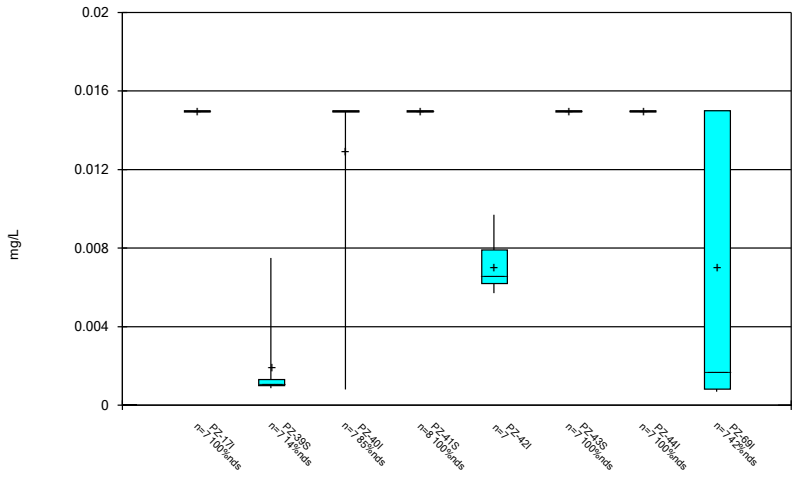


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

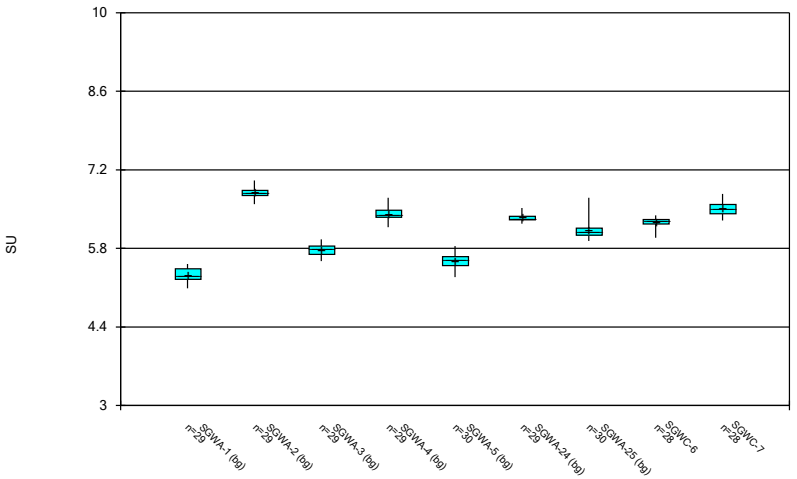


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

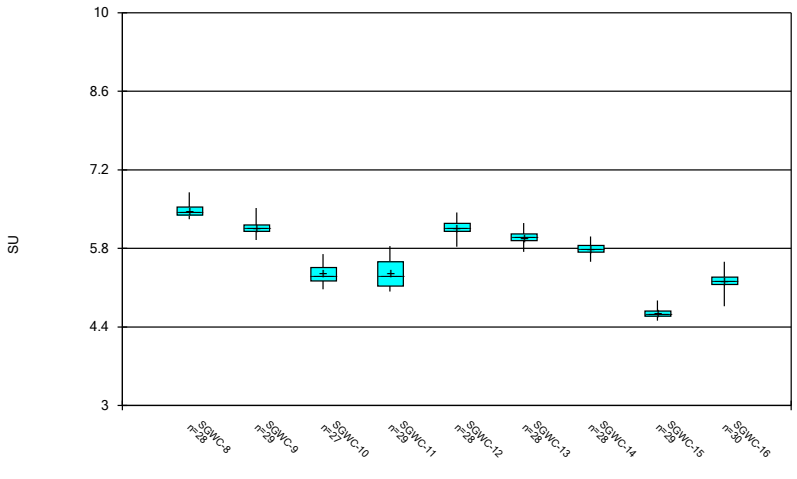


Constituent: pH, Field Analysis Run 5/12/2025 10:47 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

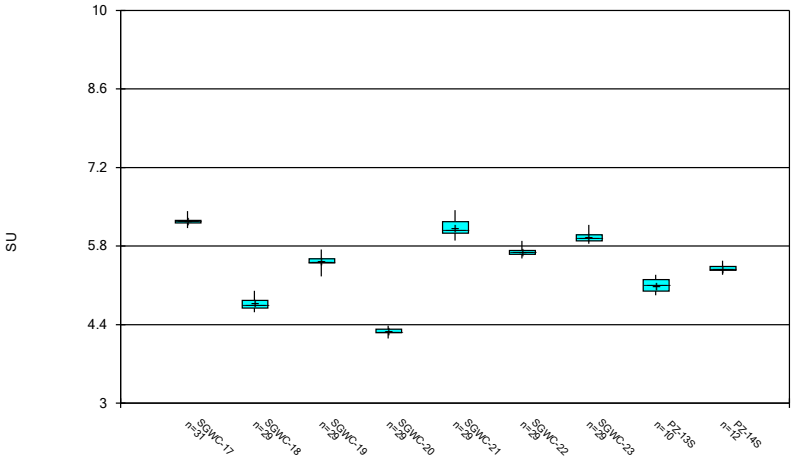


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Plant Scherer Client: Southern Company Data: Scherer AP

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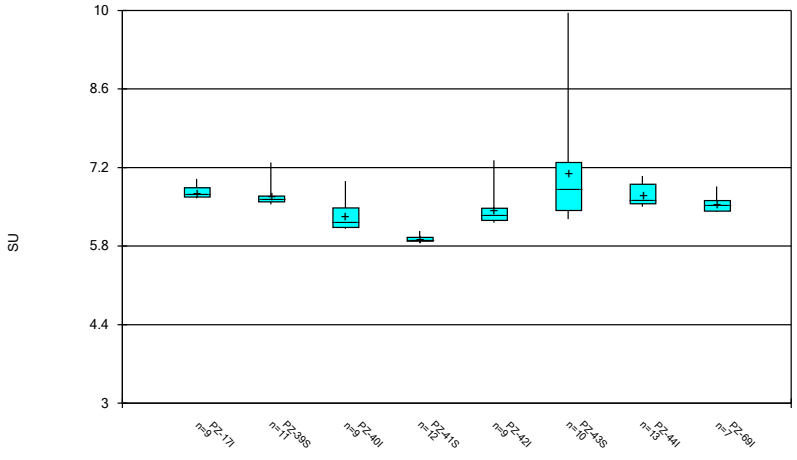


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

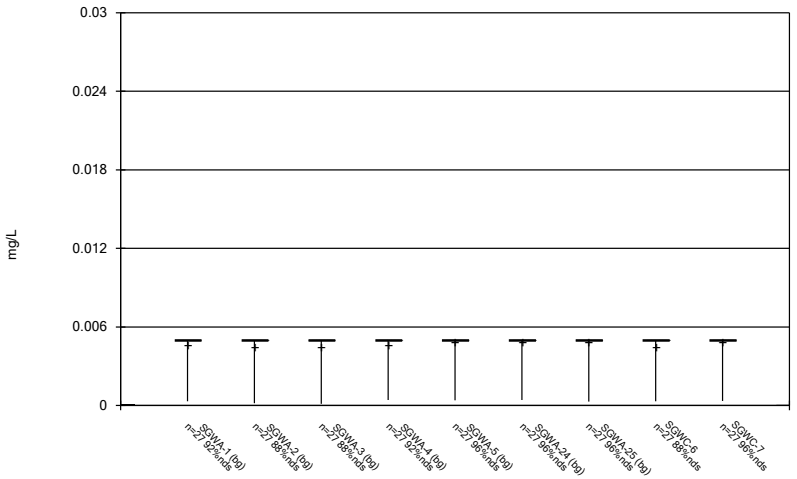


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

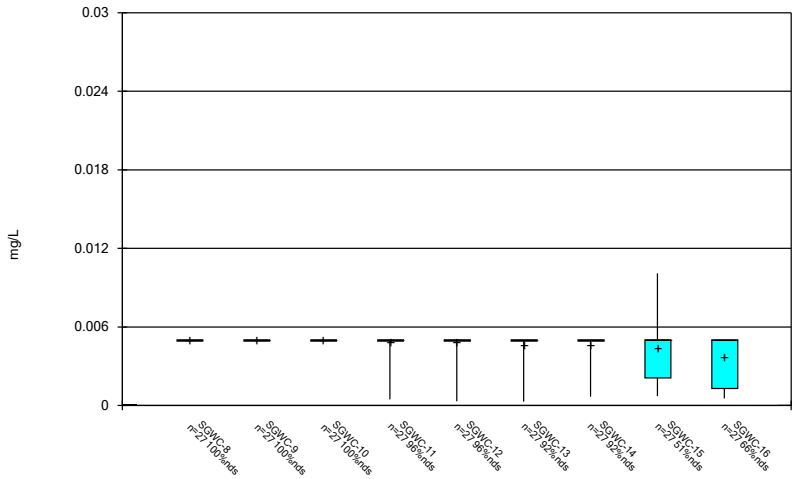


Constituent: Selenium Analysis Run 5/12/2025 10:47 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

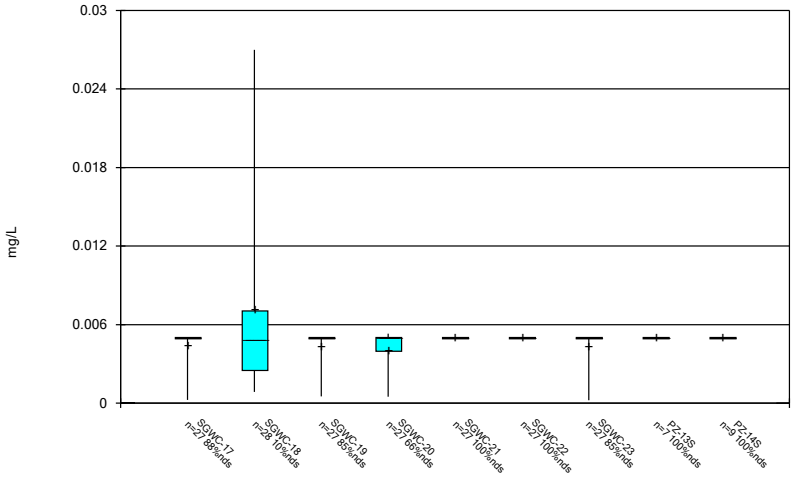


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

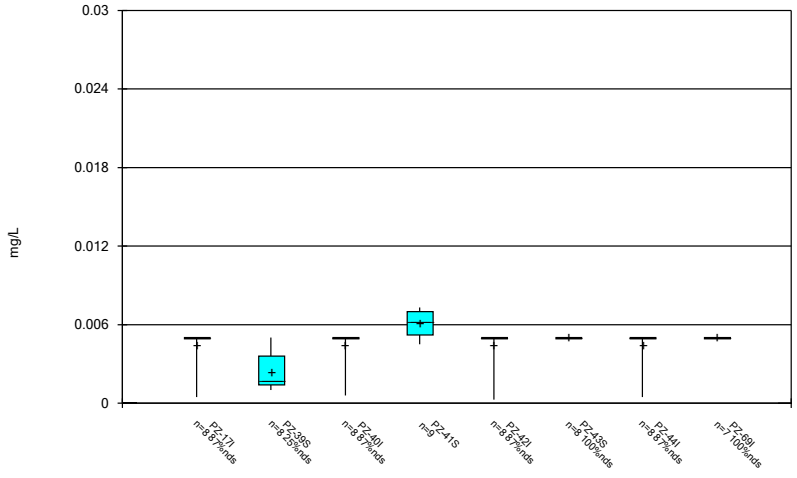


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Box & Whiskers Plot

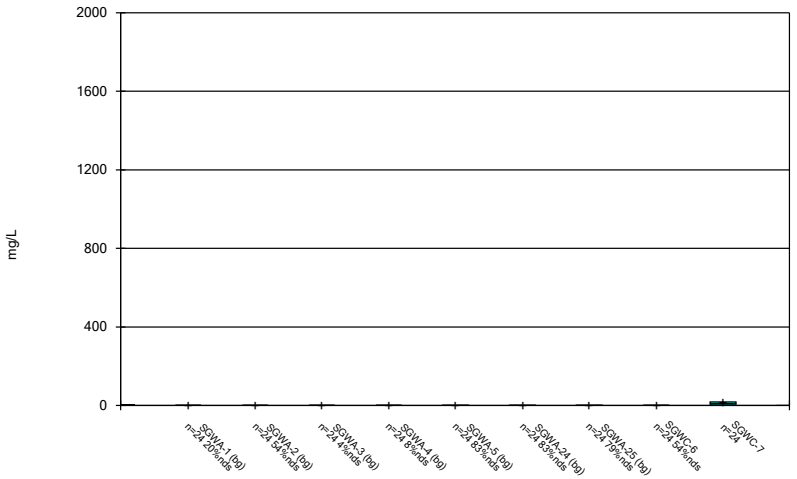


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Box & Whiskers Plot

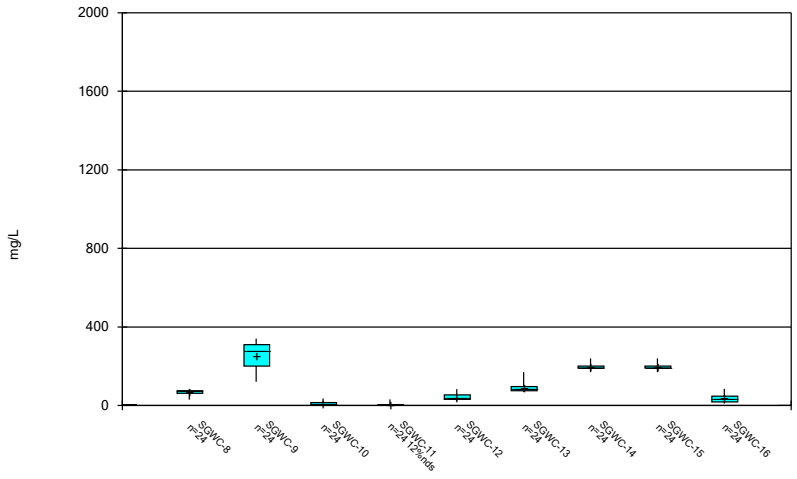


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Box & Whiskers Plot

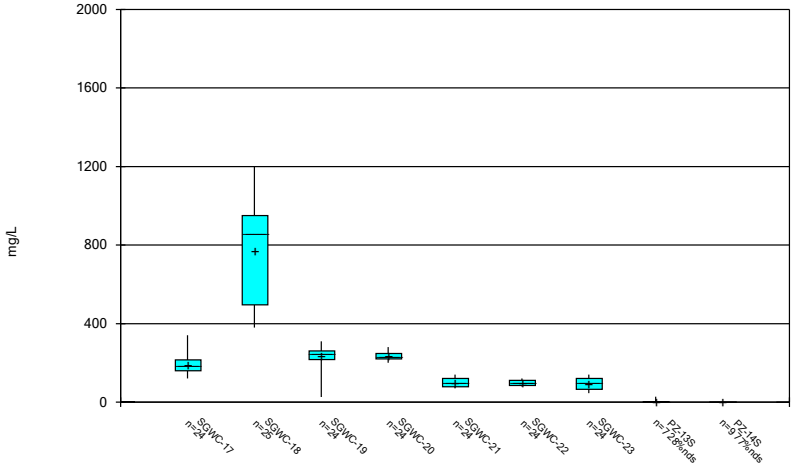


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Box & Whiskers Plot

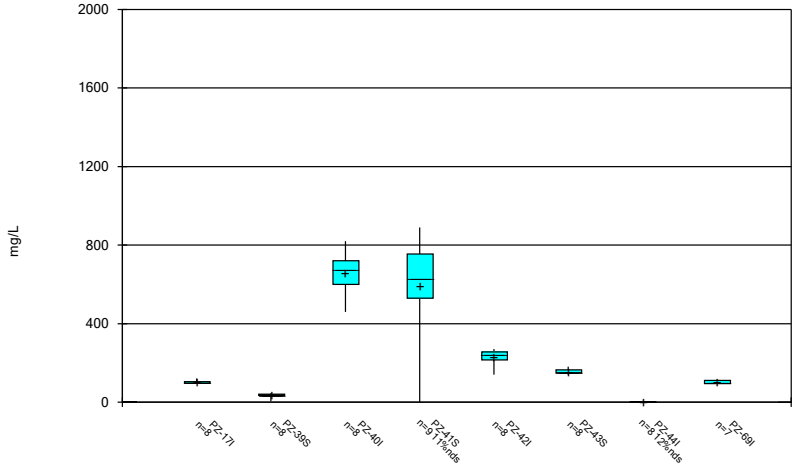


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Box & Whiskers Plot

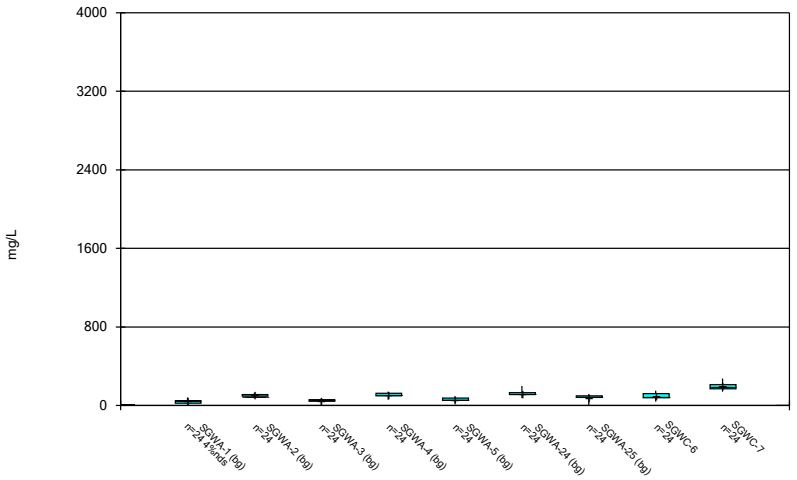


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Box & Whiskers Plot

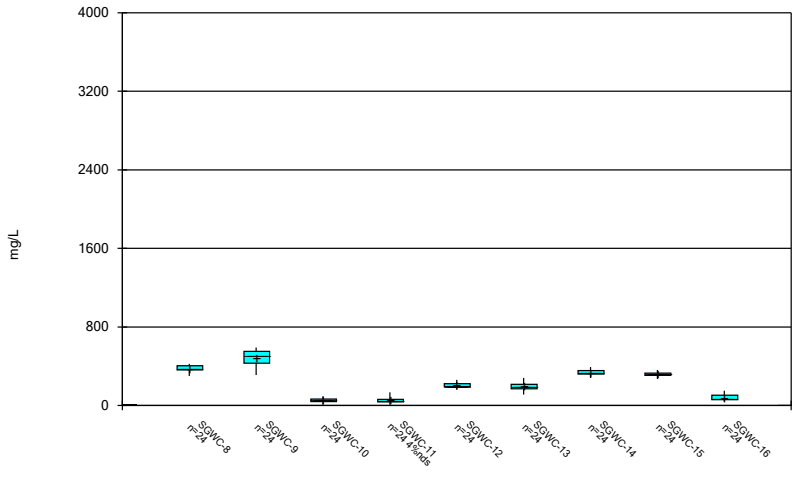


Constituent: TDS Analysis Run 5/12/2025 10:47 AM

Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

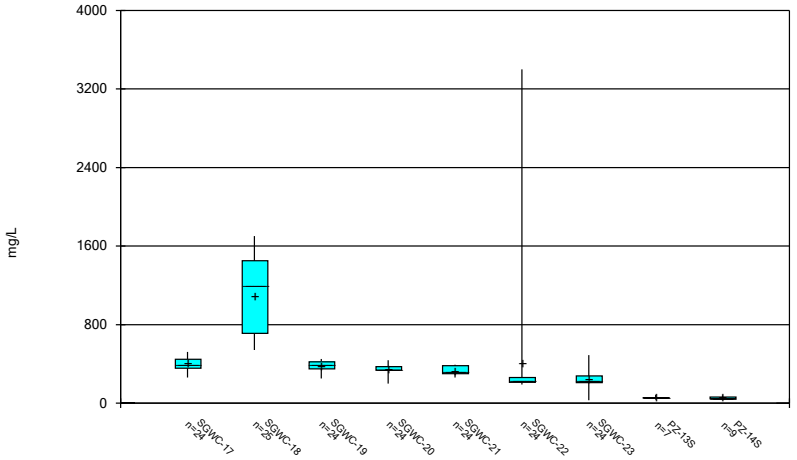


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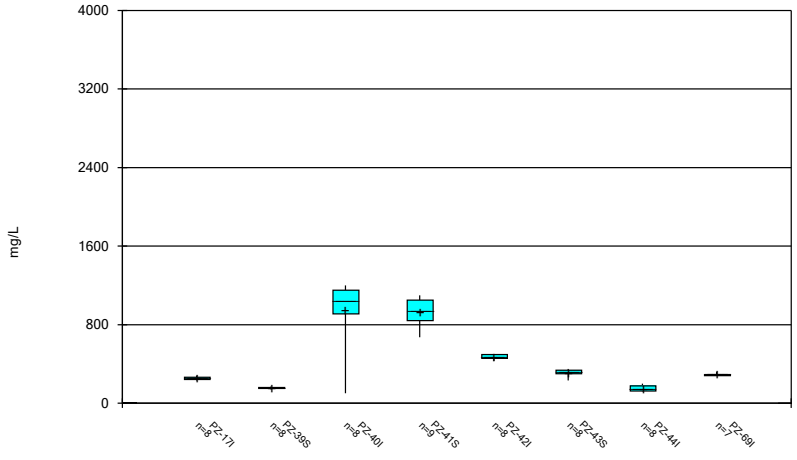


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Box & Whiskers Plot

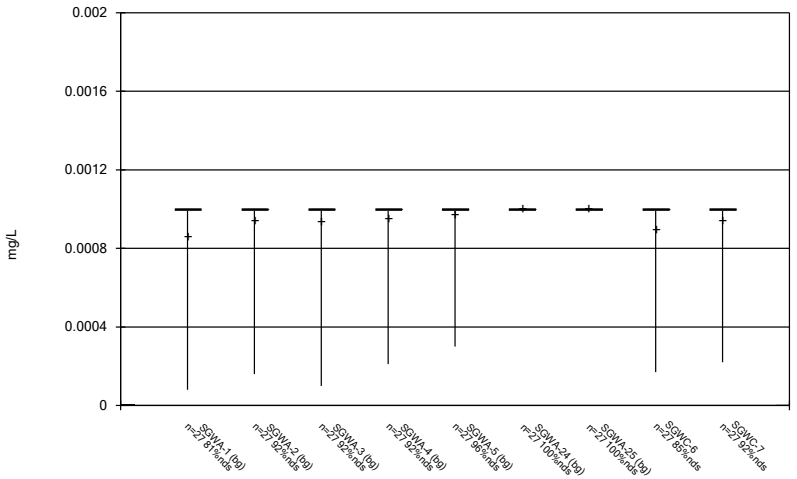


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

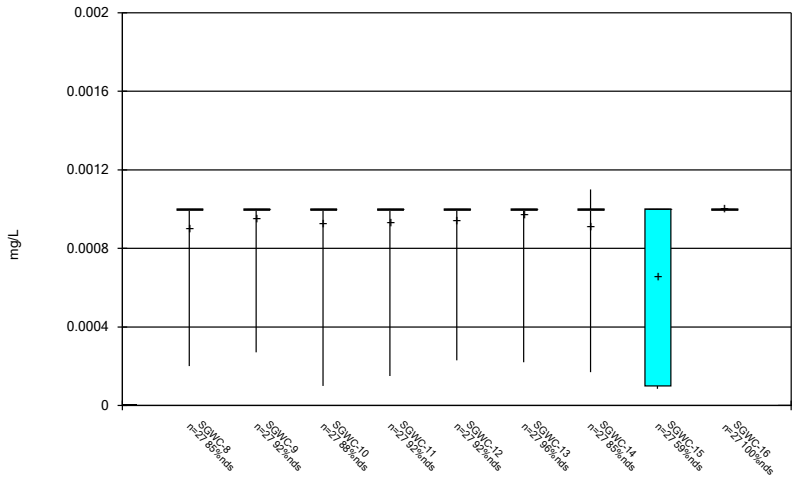


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

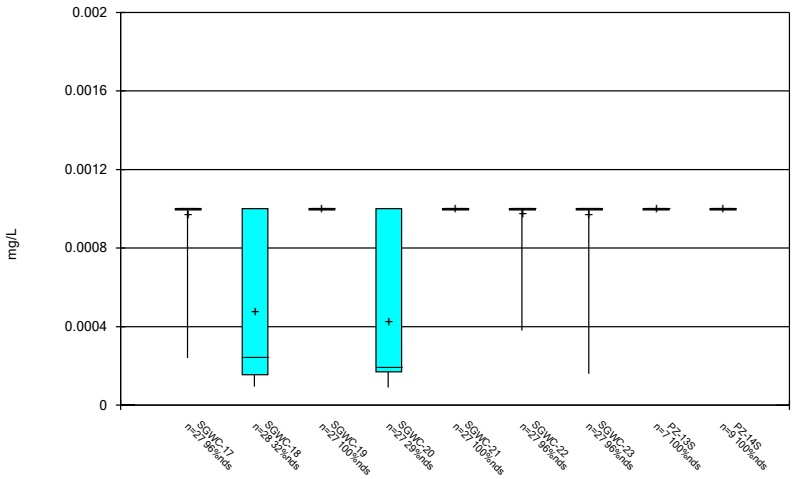


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot

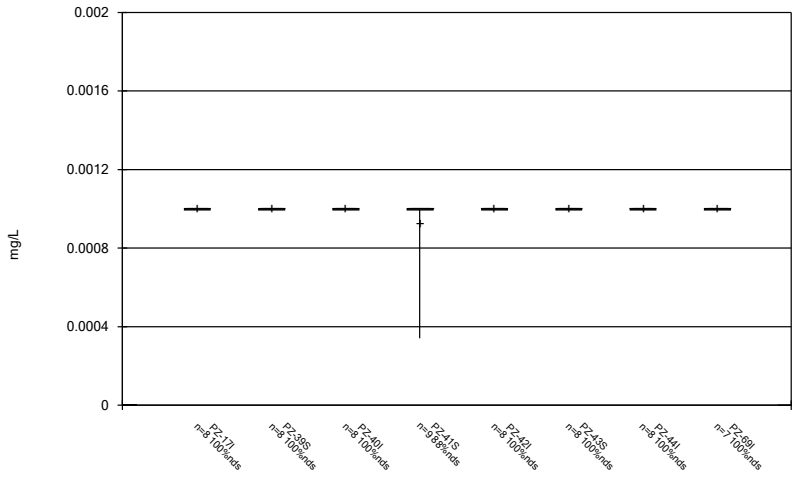


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Plant Scherer Client: Southern Company Data: Scherer AP

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Box & Whiskers Plot



Constituent: Thallium Analysis Run 5/12/2025 10:47 AM

Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE C.

Outlier Summary

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/18/2025, 10:14 AM

	SGWA-4 Fluoride (mg/L)
2/22/2023	0.6 (O)

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 2:48 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**0.0663,0.061,0.061,0.061,0.058,0.058,0.058,0.058,**	**NP**	**NaN**	**189**	**0.03526**	**0.01725**	**x^6**	**ChiSquared**
Calcium (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**16,16,16,16,17,17,17,17,17,17,18,18,18,18,18,18,1**	**NP**	**NaN**	**168**	**8.862**	**5.827**	**x^6**	**ChiSquared**
Chloride (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**3.45,3.5,3.4,3.4,3.4,3.1,3.1,3,3,3.3,3.6,4.9,2.77**	**NP**	**NaN**	**168**	**1.97**	**0.5727**	**x^6**	**ChiSquared**
Combined Radium 226 + 228 (pCi/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**0.522,0.522,0.651,0.751,0.509,0.621,0.765,0.474,0**	**NP**	**NaN**	**189**	**0.2492**	**0.3003**	**x^6**	**ChiSquared**
Fluoride (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**0.6**	**NP**	**NaN**	**196**	**0.1418**	**0.07982**	**x^5**	**ChiSquared**
Sulfate (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**1.2,1.2,1.2,1.2,1.2,1.2,1.2,2.9,3.2,1.3,1.3,1.3,1**	**NP**	**NaN**	**168**	**1.056**	**0.4698**	**x^6**	**ChiSquared**
TDS (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**200,170**	**NP**	**NaN**	**168**	**80.17**	**35.78**	**x^5**	**ChiSquared**

Tukey's Outlier Test - Upgradient Wells - All Results

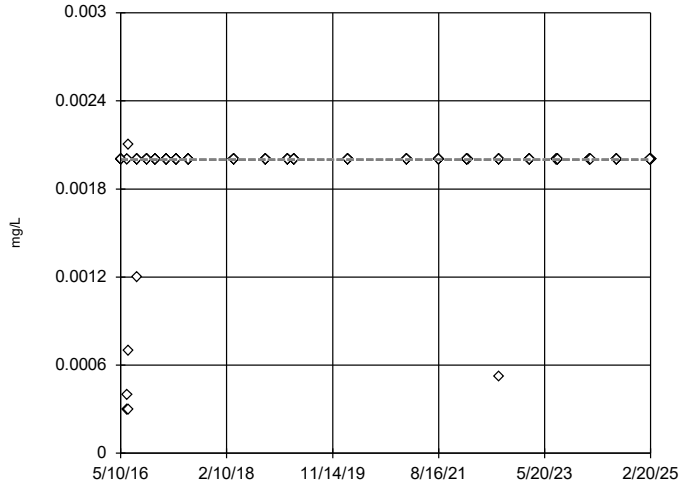
Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 2:48 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	154	0.001945	0.0002847	unknown	ChiSquared
Arsenic (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	189	0.0009673	0.0001331	unknown	ChiSquared
Barium (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**0.0663,0.061,0.061,0.061,0.058,0.058,0.058,0.058,**	**NP**	**NaN**	**189**	**0.03526**	**0.01725**	**x^6**	**ChiSquared**
Beryllium (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	189	0.002337	0.0005787	unknown	ChiSquared
Boron (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	168	0.0768	0.01707	unknown	ChiSquared
Cadmium (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	182	0.002479	0.0002019	unknown	ChiSquared
Calcium (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**16,16,16,16,17,17,17,17,17,17,18,18,18,18,18,18,1**	**NP**	**NaN**	**168**	**8.862**	**5.827**	**x^6**	**ChiSquared**
Chloride (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**3.45,3.5,3.4,3.4,3.4,3.1,3.1,3,3,3.3,3.6,4.9,2.77**	**NP**	**NaN**	**168**	**1.97**	**0.5727**	**x^6**	**ChiSquared**
Chromium (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	196	0.006424	0.005936	unknown	ChiSquared
Cobalt (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	189	0.003306	0.003634	unknown	ChiSquared
Combined Radium 226 + 228 (pCi/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**0.522,0.522,0.651,0.751,0.509,0.621,0.765,0.474,0**	**NP**	**NaN**	**189**	**0.2492**	**0.3003**	**x^6**	**ChiSquared**
Fluoride (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**0.6**	**NP**	**NaN**	**196**	**0.1418**	**0.07982**	**x^5**	**ChiSquared**
Lead (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	189	0.0009542	0.0001858	unknown	ChiSquared
Lithium (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	189	0.00455	0.001127	unknown	ChiSquared
Mercury (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	191	0.0001961	0.0000332	unknown	ChiSquared
Molybdenum (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	182	0.0141	0.003408	unknown	ChiSquared
pH, Field (SU)	SGWA-1,SGWA-2,SGW...	No	n/a	NP	NaN	205	6.049	0.4901	x^6	ChiSquared
Selenium (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	189	0.004682	0.001174	unknown	ChiSquared
Sulfate (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**1.2,1.2,1.2,1.2,1.2,1.2,1.2,2.9,3.2,1.3,1.3,1.3,1**	**NP**	**NaN**	**168**	**1.056**	**0.4698**	**x^6**	**ChiSquared**
TDS (mg/L)	**SGWA-1,SGWA-2,SGW...**	**Yes**	**200,170**	**NP**	**NaN**	**168**	**80.17**	**35.78**	**x^5**	**ChiSquared**
Thallium (mg/L)	SGWA-1,SGWA-2,SGW...	n/a	n/a	NP	NaN	189	0.0009542	0.0001801	unknown	ChiSquared

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 154

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

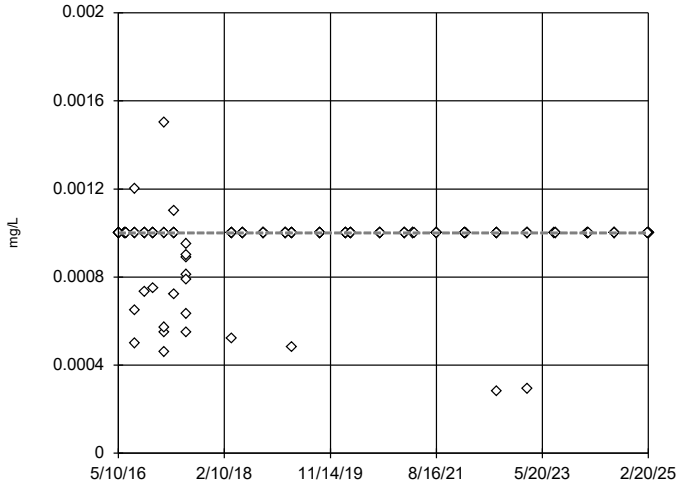
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

No outliers found.
Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

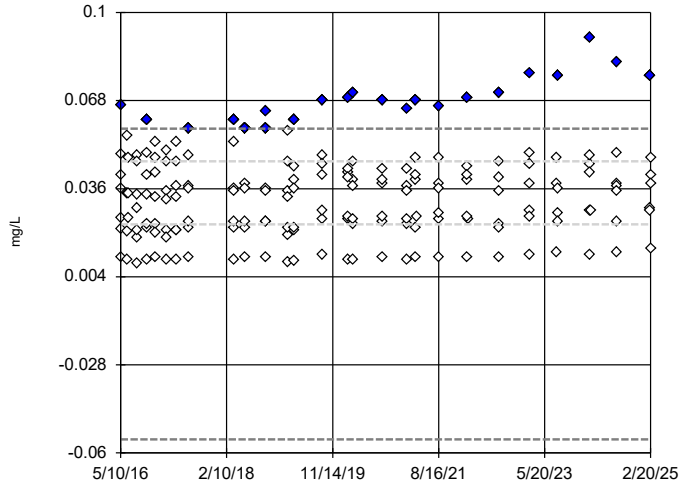
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

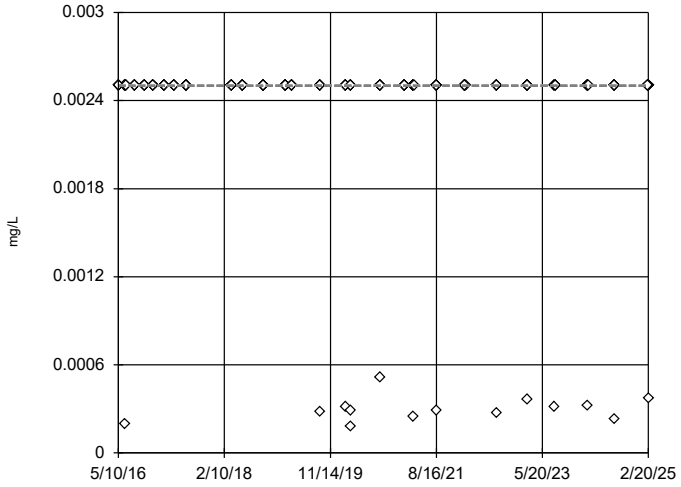
High cutoff = 0.05784, low cutoff = -0.05505, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

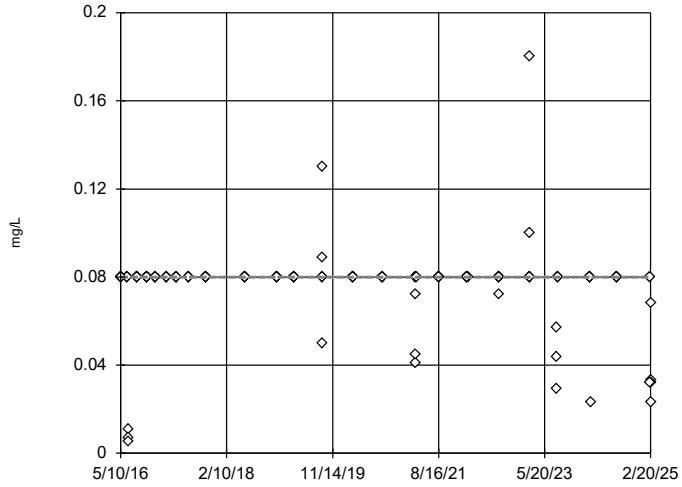
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 168

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

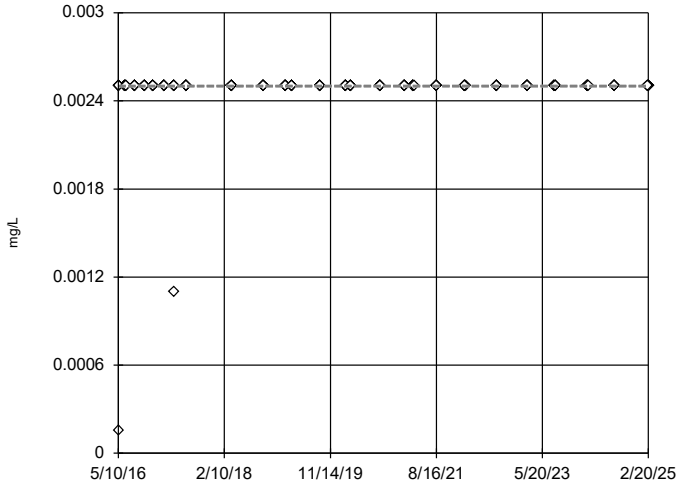
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 182

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

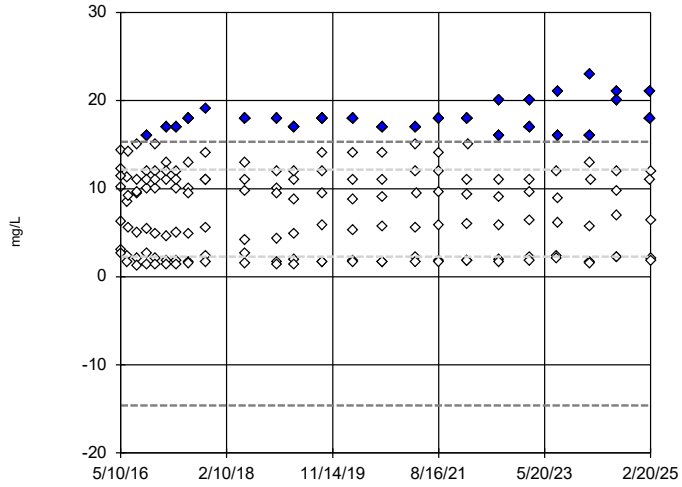
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 168

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

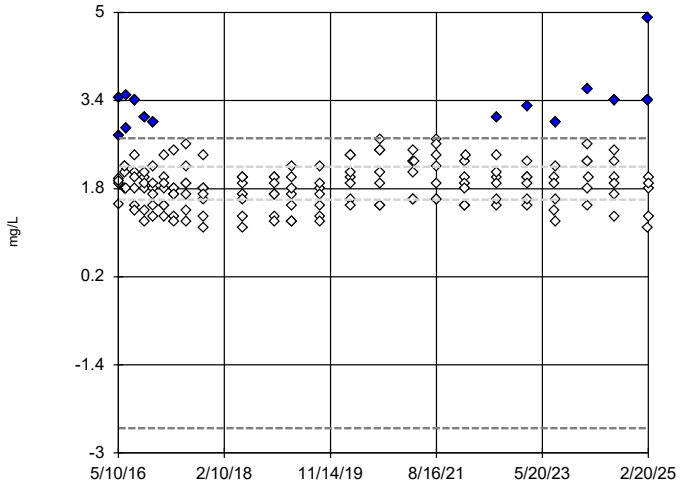
High cutoff = 15.31, low cutoff = -14.6, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 168

Outliers are drawn as solid.
Tukey's method selected by user.

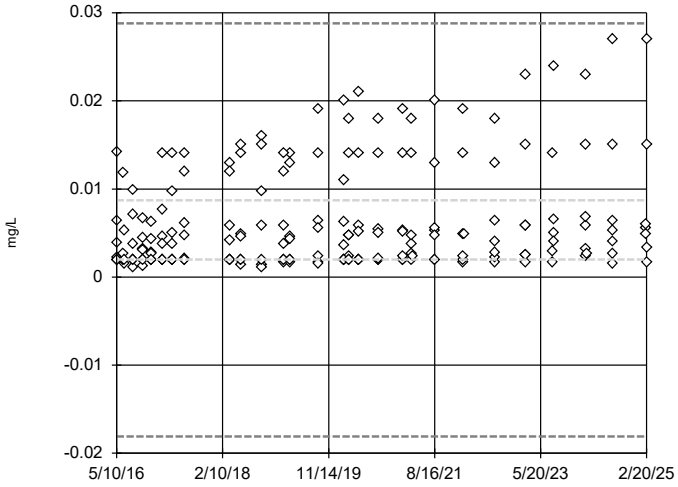
Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.718, low cutoff = -2.547, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 196

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

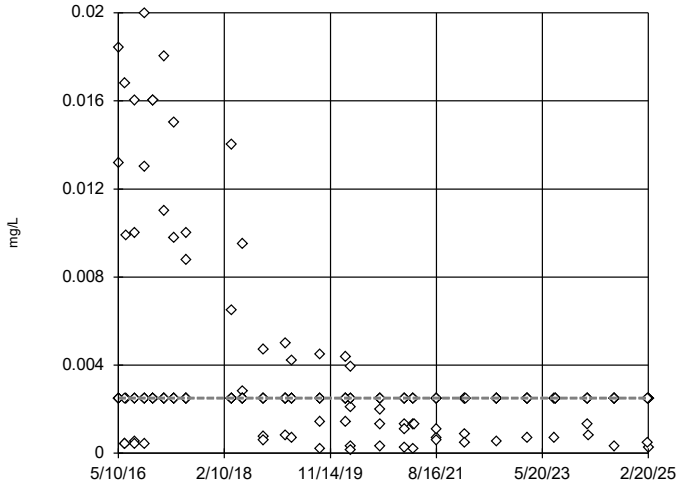
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Chromium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

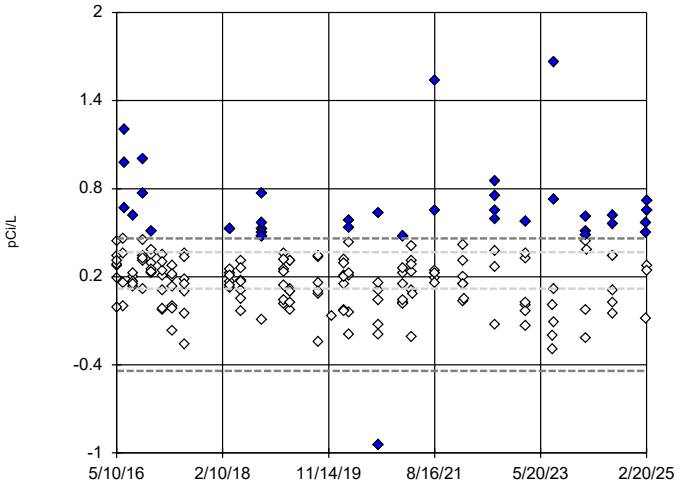
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

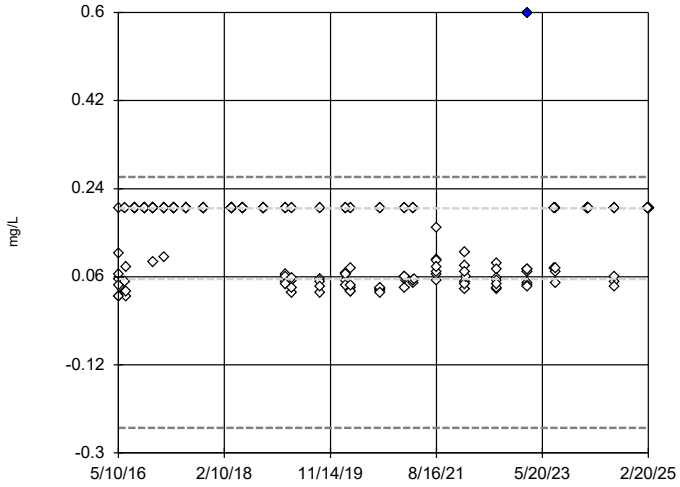
High cutoff = 0.4619, low cutoff = -0.4402, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 196

Outlier is drawn as solid.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

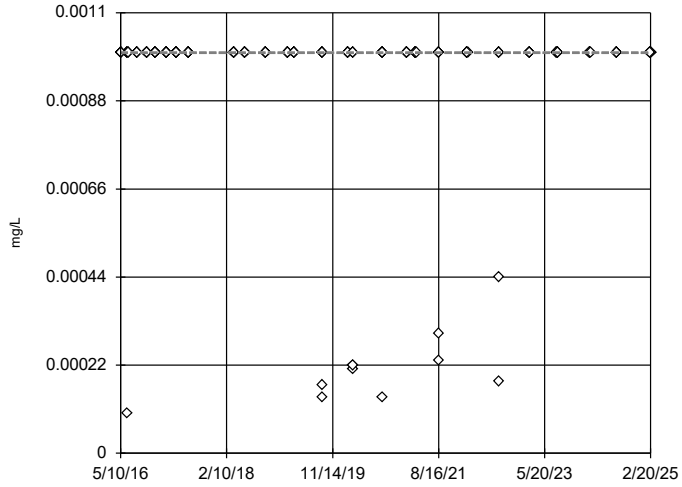
High cutoff = 0.2638, low cutoff = -0.249, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

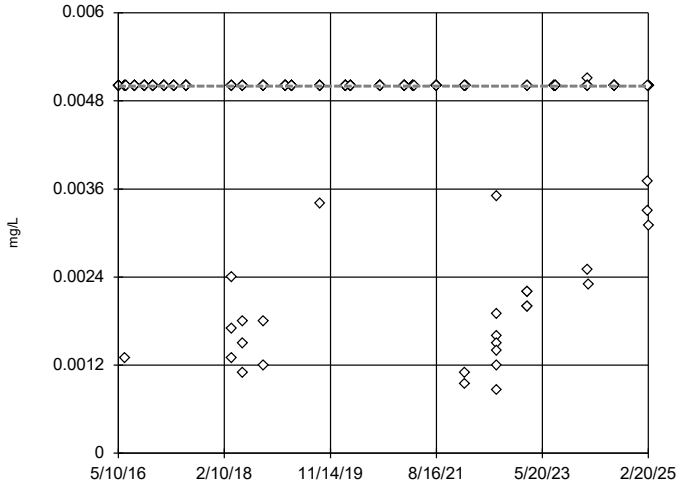
Constituent: Lead Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient

Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

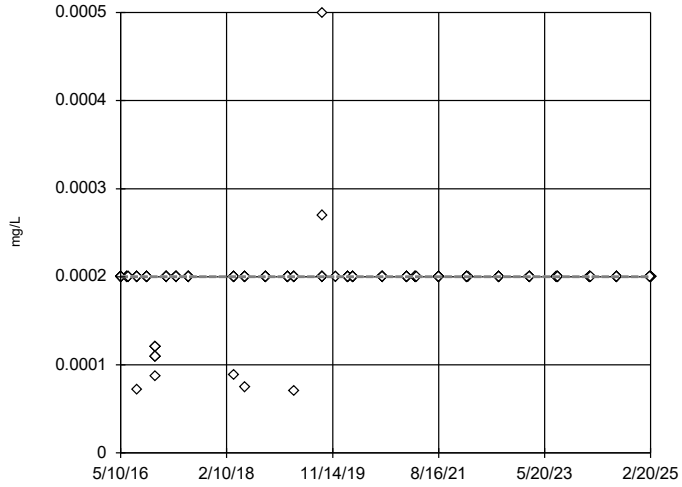
Constituent: Lithium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient

Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 191

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

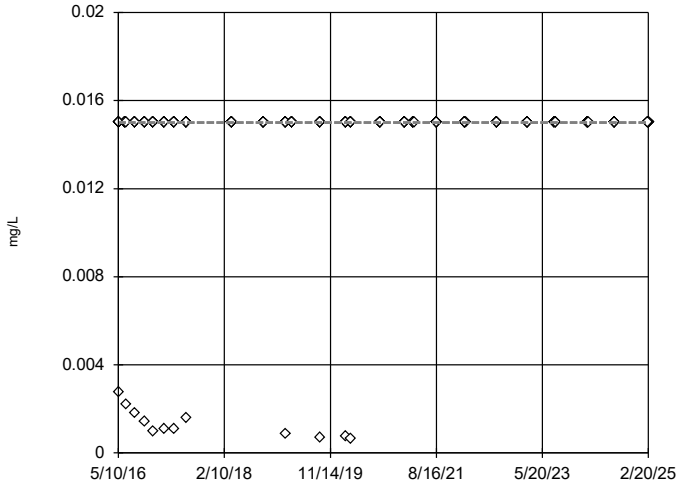
Constituent: Mercury Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient

Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 182

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

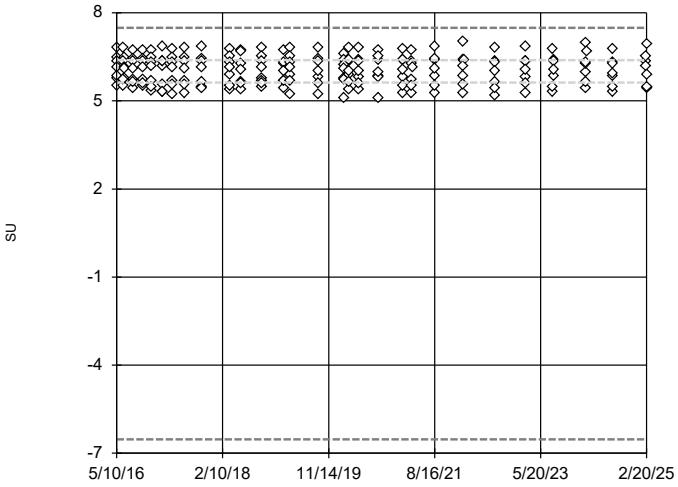
Constituent: Molybdenum Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient

Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 205

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

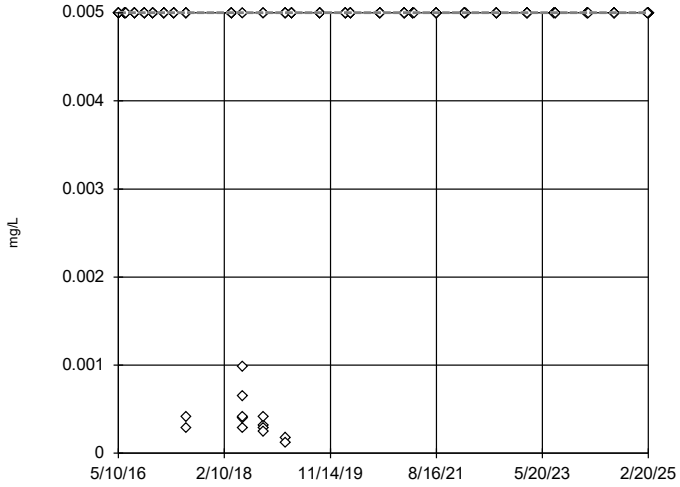
High cutoff = 7.49, low cutoff = -6.526, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

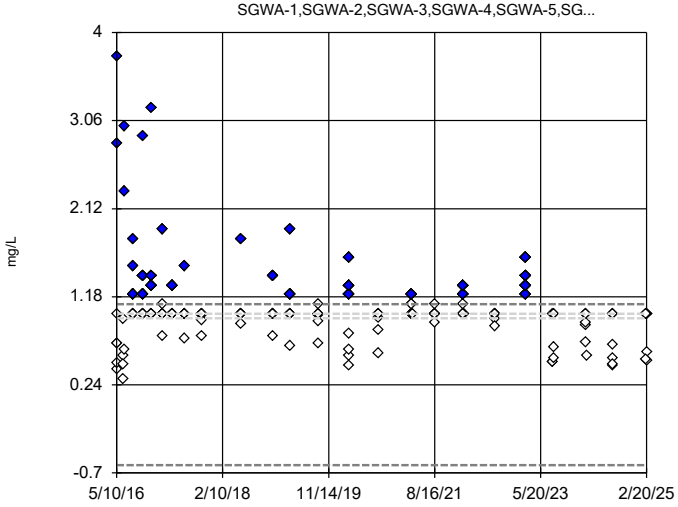
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 168

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

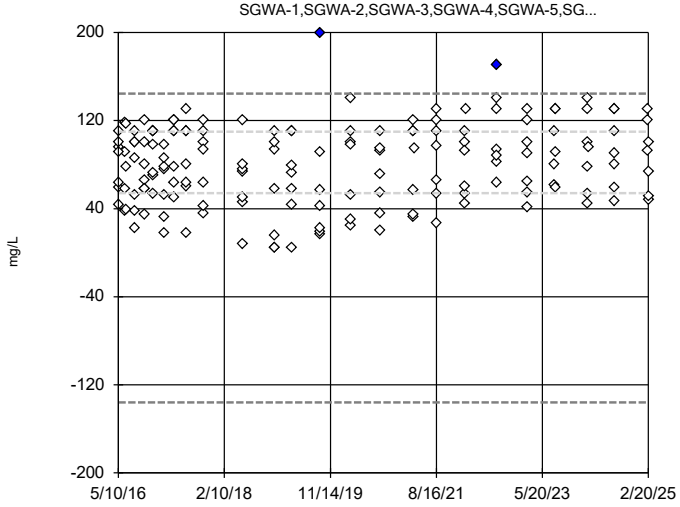
High cutoff = 1.102, low cutoff = -0.6162, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 168

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

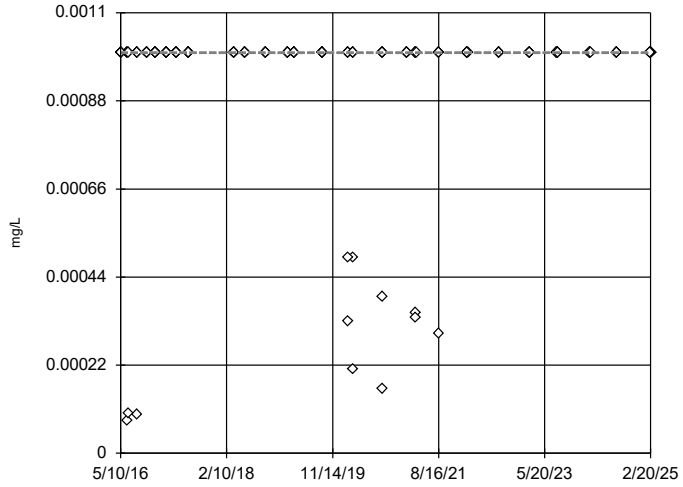
High cutoff = 144.5, low cutoff = -136, based on IQR multiplier of 3.

Constituent: TDS Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient
Plant Scherer Client: Southern Company Data: Scherer AP

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Tukey's Outlier Screening, Pooled Background

SGWA-1,SGWA-2,SGWA-3,SGWA-4,SGWA-5,SG...



n = 189

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/8/2025 2:42 PM View: Outliers - Upgradient

Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE D.

Appendix III Trend Tests - Upgradient Wells - Significant Results

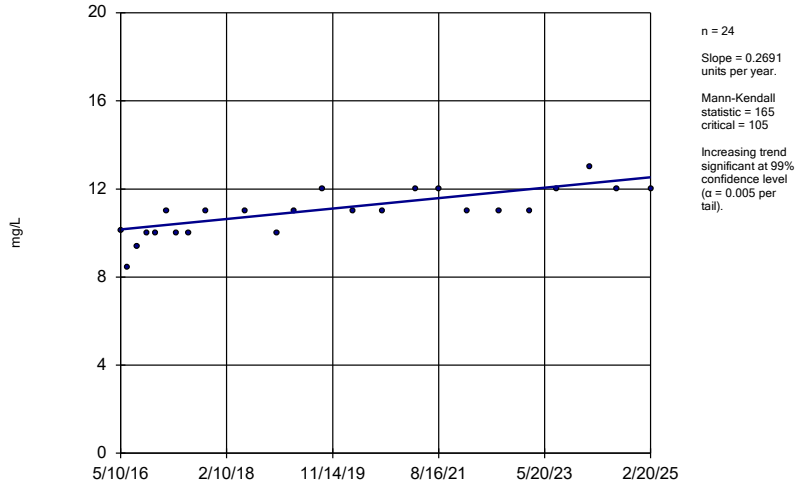
Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:08 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	**SGWA-2 (bg)**	**0.2691**	**165**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-3 (bg)**	**0.1577**	**118**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-4 (bg)**	**0.6836**	**188**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-5 (bg)**	**0.05152**	**128**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-24 (bg)**	**0.6716**	**205**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWA-3 (bg)**	**-0.102**	**-115**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWA-24 (bg)**	**0.1828**	**146**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**SGWA-3 (bg)**	**0.01976**	**148**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**SGWA-4 (bg)**	**-0.01901**	**-171**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWA-3 (bg)**	**-0.128**	**-144**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWA-4 (bg)**	**-0.1188**	**-146**	**-105**	**Yes**	**24**	**8.333**	**n/a**	**0.01**	**NP**
TDS (mg/L)	**SGWA-4 (bg)**	**4.811**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

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Sen's Slope Estimator

SGWA-2 (bg)



n = 24

Slope = 0.2691 units per year.

Mann-Kendall statistic = 165 critical = 105

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

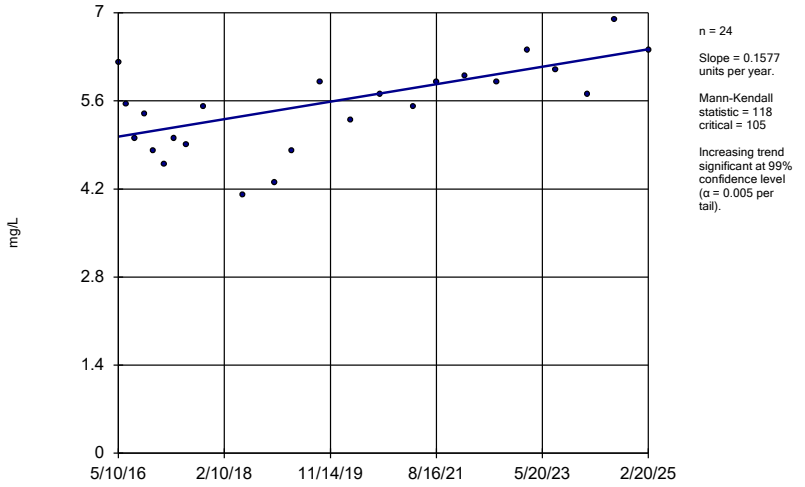
Constituent: Calcium Analysis Run 4/17/2025 11:07 AM View: Appendix III Upgradient Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = 0.1577 units per year.

Mann-Kendall statistic = 118 critical = 105

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

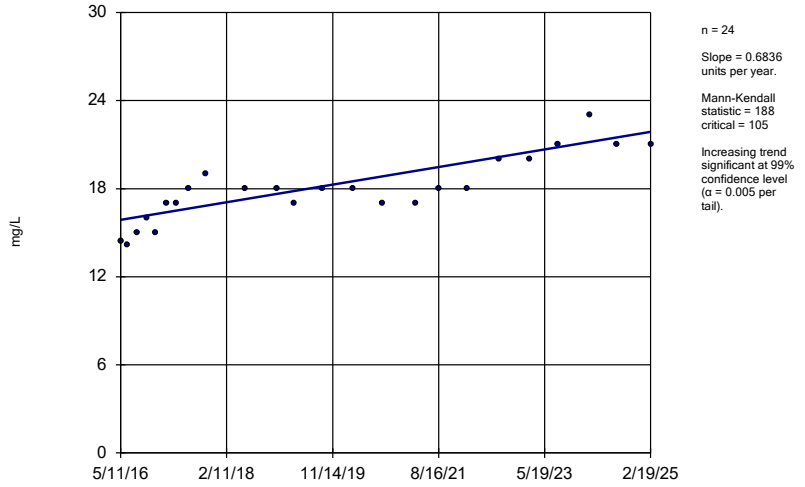
Constituent: Calcium Analysis Run 4/17/2025 11:07 AM View: Appendix III Upgradient Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = 0.6836 units per year.

Mann-Kendall statistic = 188 critical = 105

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

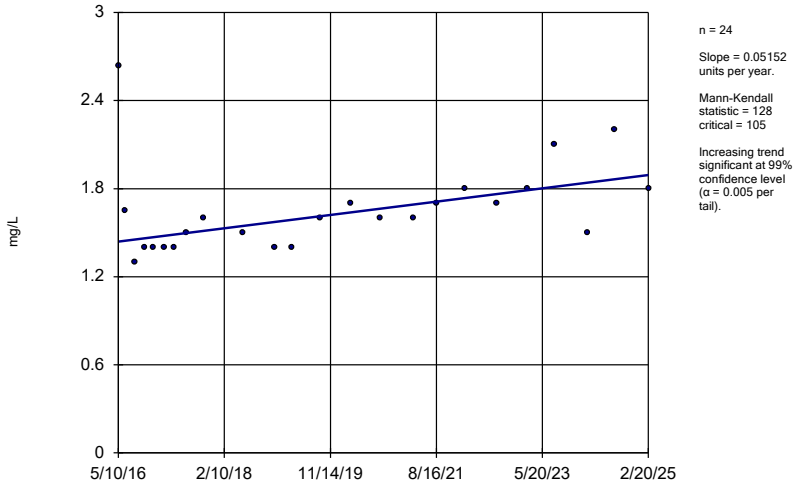
Constituent: Calcium Analysis Run 4/17/2025 11:07 AM View: Appendix III Upgradient Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-5 (bg)



n = 24

Slope = 0.05152 units per year.

Mann-Kendall statistic = 128 critical = 105

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

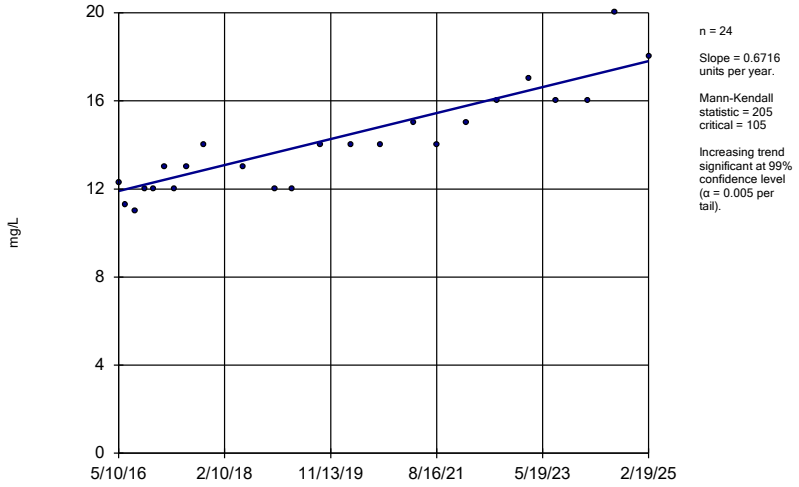
Constituent: Calcium Analysis Run 4/17/2025 11:07 AM View: Appendix III Upgradient Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 24

Slope = 0.6716 units per year.

Mann-Kendall statistic = 205
critical = 105

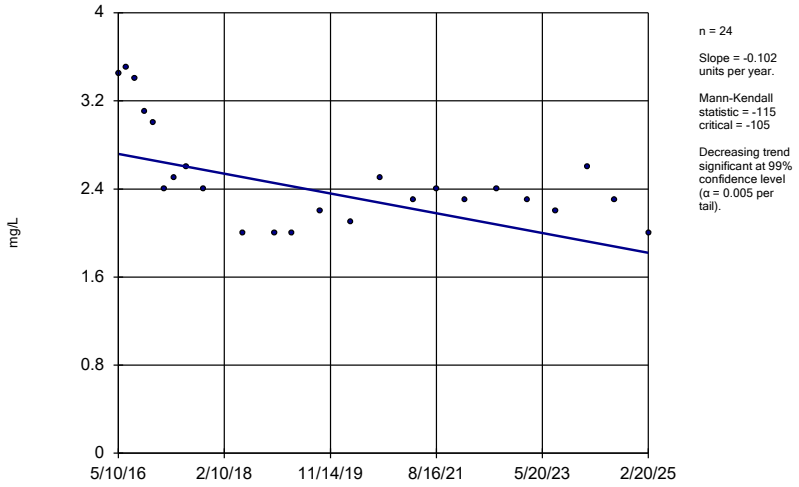
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/17/2025 11:07 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = -0.102 units per year.

Mann-Kendall statistic = -115
critical = -105

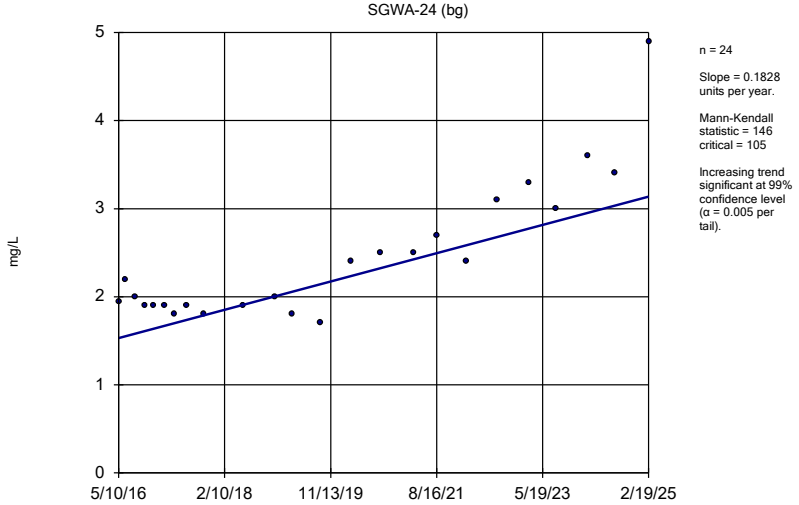
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:07 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 24

Slope = 0.1828 units per year.

Mann-Kendall statistic = 146
critical = 105

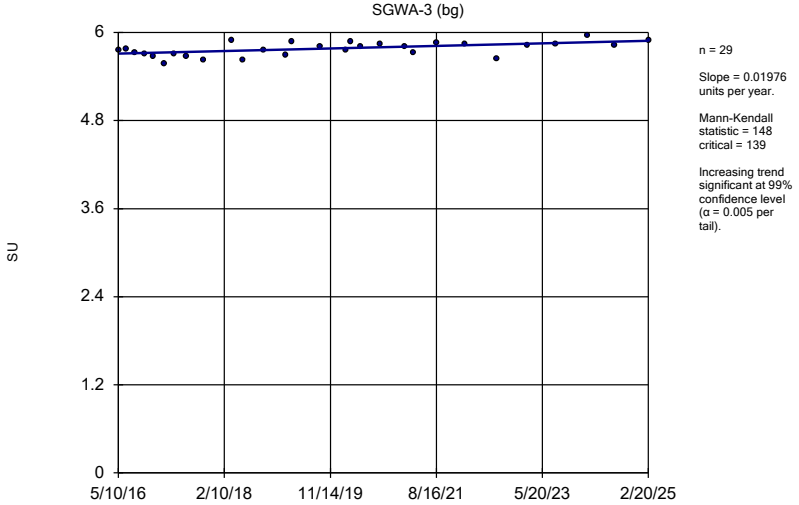
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:07 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 29

Slope = 0.01976 units per year.

Mann-Kendall statistic = 148
critical = 139

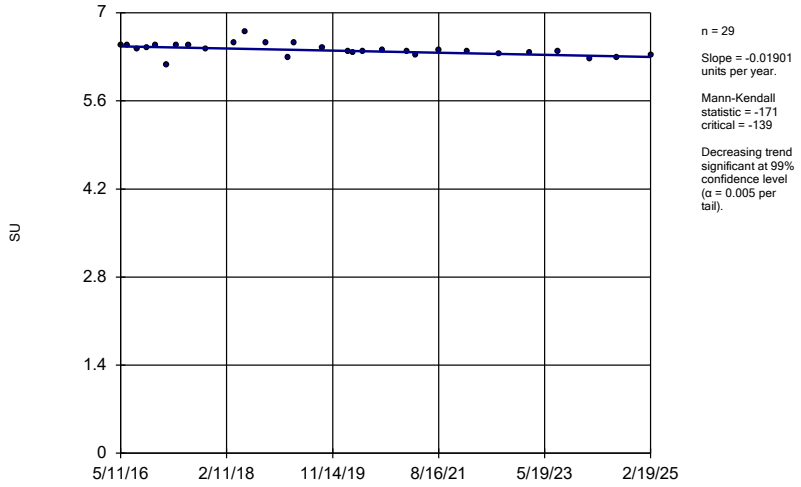
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/17/2025 11:08 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 29

Slope = -0.01901 units per year.

Mann-Kendall statistic = -171
critical = -139

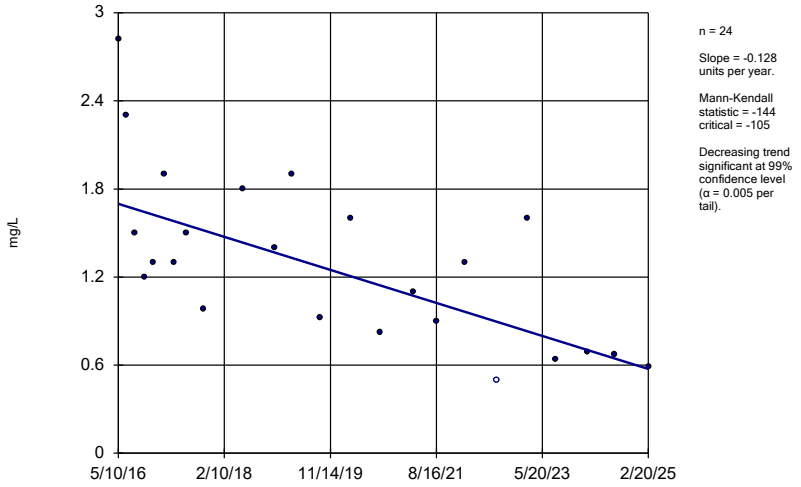
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/17/2025 11:08 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = -0.128 units per year.

Mann-Kendall statistic = -144
critical = -105

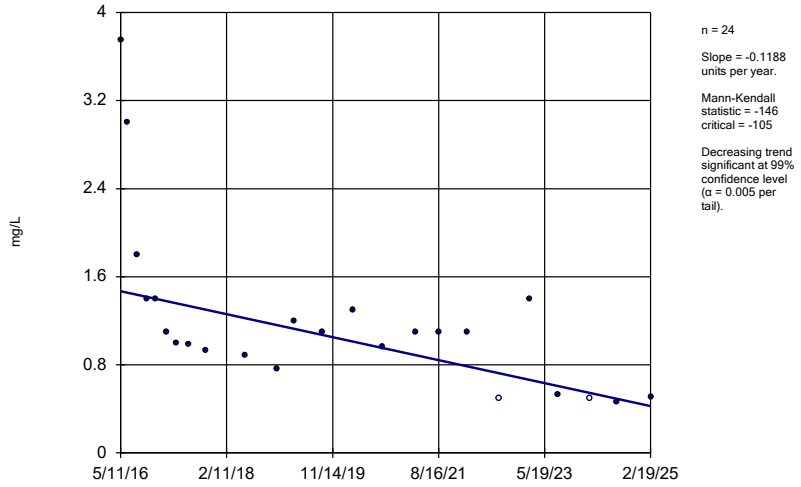
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:08 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = -0.1188 units per year.

Mann-Kendall statistic = -146
critical = -105

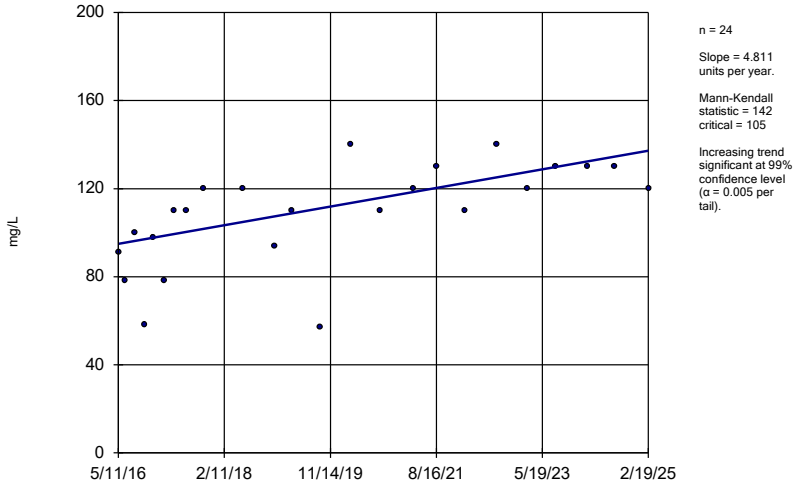
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:08 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = 4.811 units per year.

Mann-Kendall statistic = 142
critical = 105

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

Constituent: TDS Analysis Run 4/17/2025 11:08 AM View: Appendix III Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Appendix IV Trend Tests - Upgradient Wells - Significant Results

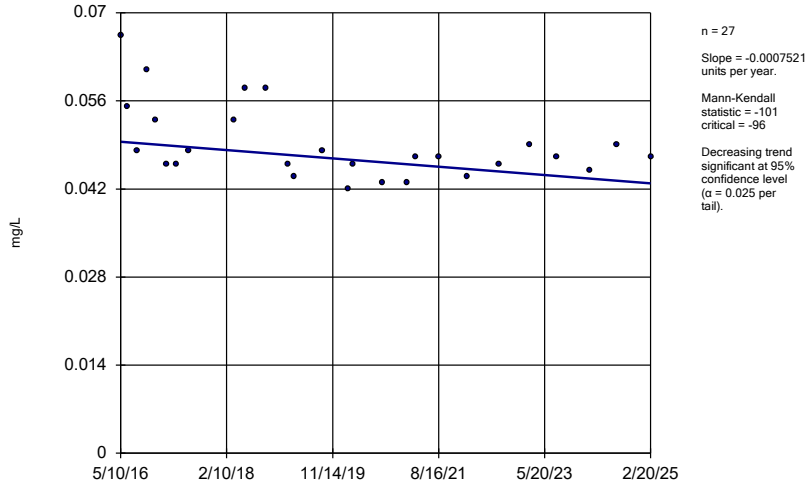
Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 2:51 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**SGWA-1 (bg)**	**-0.0007521**	**-101**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-3 (bg)**	**0.0007521**	**167**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-4 (bg)**	**0.004152**	**281**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-5 (bg)**	**0.0002816**	**146**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-24 (bg)**	**0.0008921**	**218**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**SGWA-25 (bg)**	**0.0004906**	**131**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	**SGWA-1 (bg)**	**-0.00002045**	**-116**	**-96**	**Yes**	**27**	**51.85**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-2 (bg)**	**0.0001642**	**119**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-3 (bg)**	**0.002354**	**300**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-4 (bg)**	**0.0002901**	**148**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**SGWA-24 (bg)**	**0.0002851**	**211**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.001701**	**-260**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.001657**	**-263**	**-96**	**Yes**	**27**	**14.81**	**n/a**	**0.05**	**NP**

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Sen's Slope Estimator

SGWA-1 (bg)



n = 27

Slope = -0.0007521 units per year.

Mann-Kendall statistic = -101
critical = -96

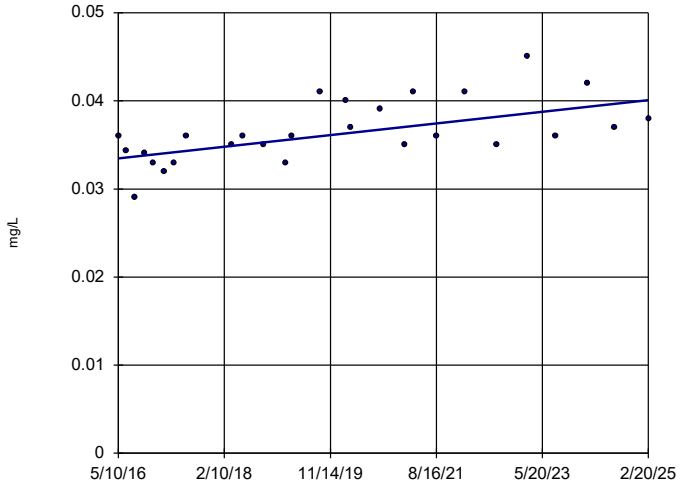
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 27

Slope = 0.0007521 units per year.

Mann-Kendall statistic = 167
critical = 96

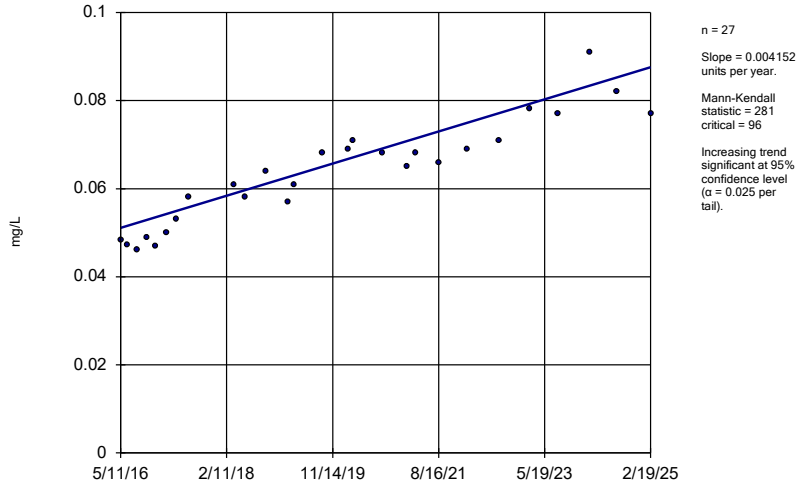
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 27

Slope = 0.004152 units per year.

Mann-Kendall statistic = 281
critical = 96

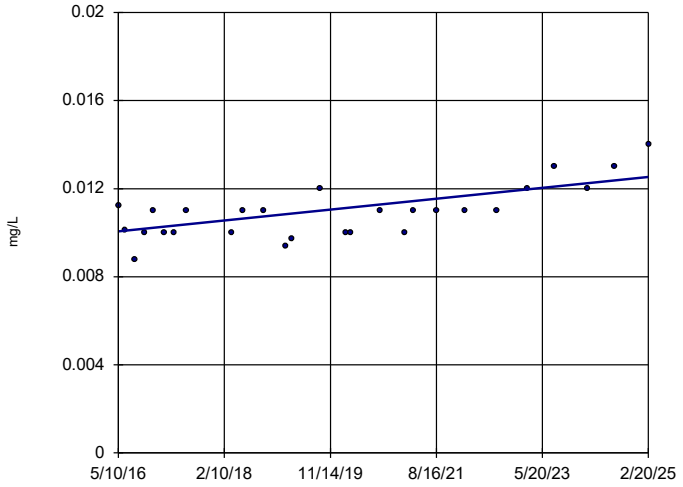
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-5 (bg)



n = 27

Slope = 0.0002816 units per year.

Mann-Kendall statistic = 146
critical = 96

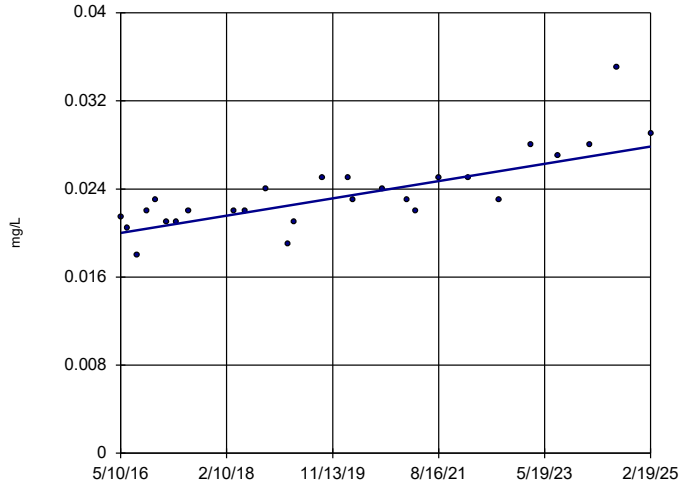
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 27

Slope = 0.0008921 units per year.

Mann-Kendall statistic = 218
critical = 96

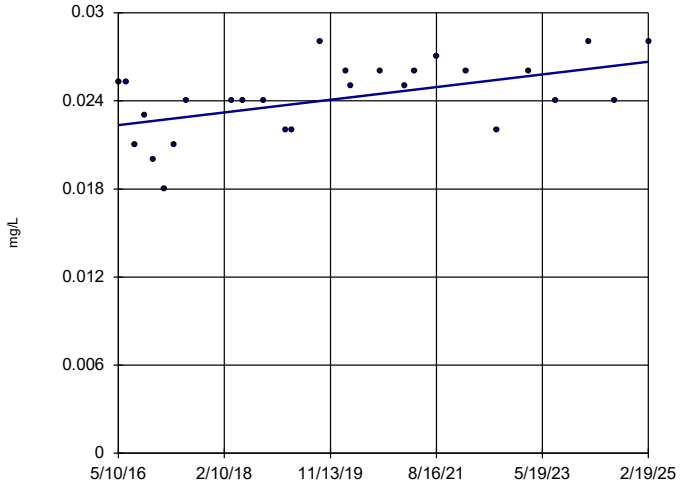
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-25 (bg)



n = 27

Slope = 0.0004906 units per year.

Mann-Kendall statistic = 131
critical = 96

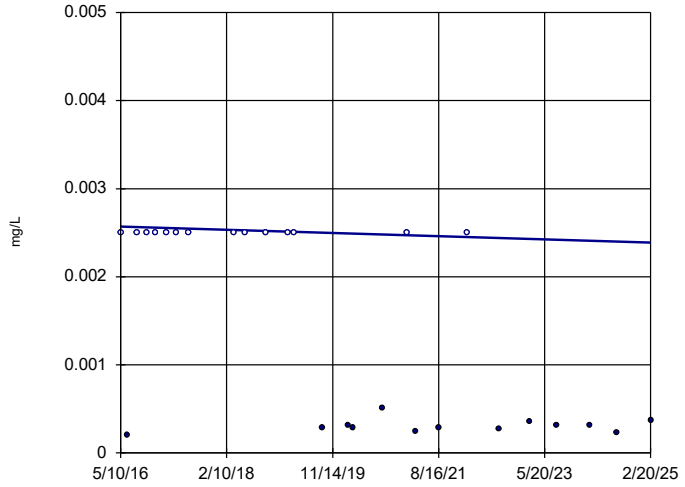
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Barium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 27

Slope = -0.00002045 units per year.

Mann-Kendall statistic = -116
critical = -96

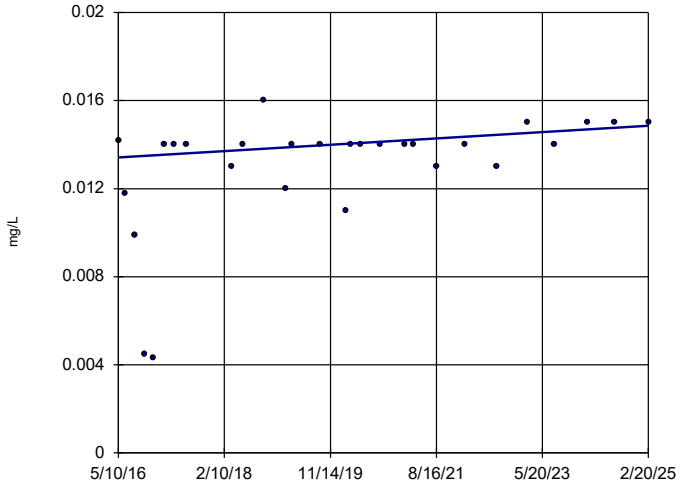
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Beryllium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-2 (bg)



n = 28

Slope = 0.0001642 units per year.

Mann-Kendall statistic = 119
critical = 101

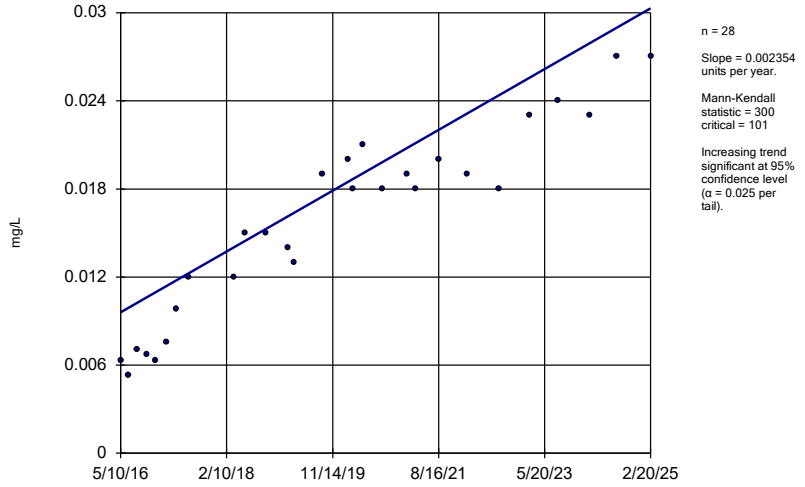
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 28

Slope = 0.002354 units per year.

Mann-Kendall statistic = 300 critical = 101

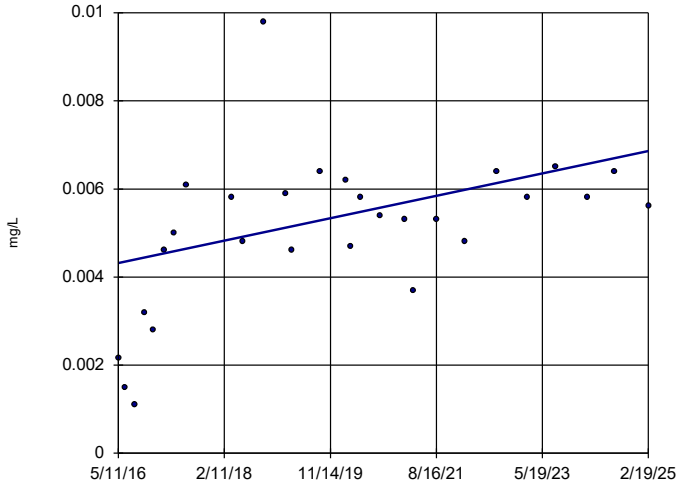
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 28

Slope = 0.0002901 units per year.

Mann-Kendall statistic = 148 critical = 101

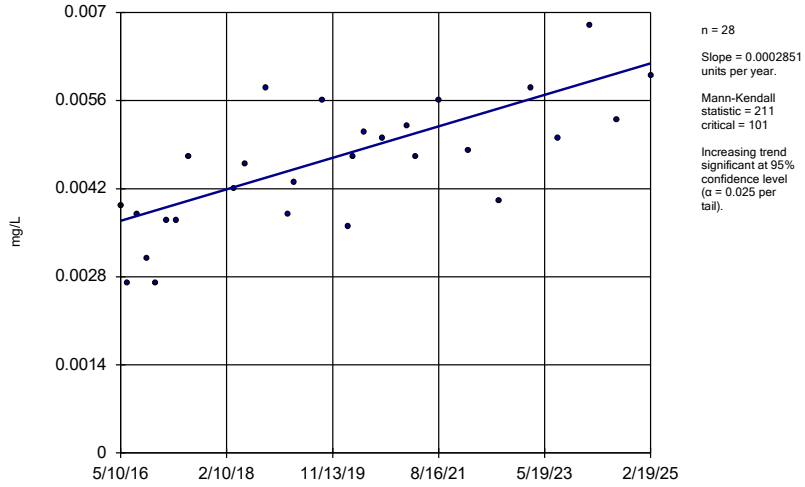
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 28

Slope = 0.0002851 units per year.

Mann-Kendall statistic = 211 critical = 101

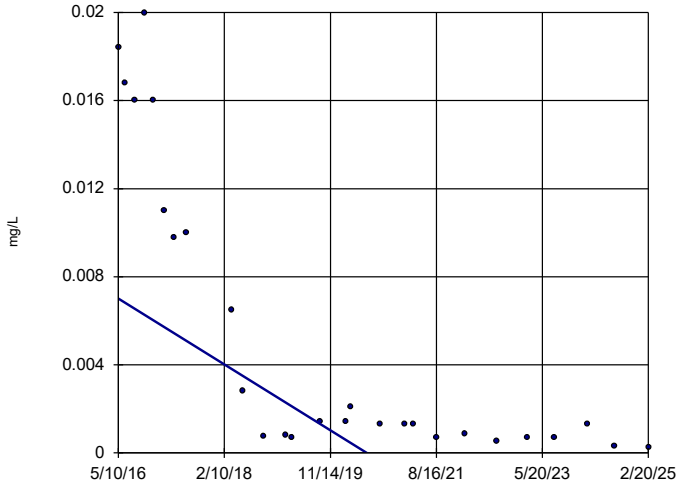
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Chromium Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-1 (bg)



n = 27

Slope = -0.001701 units per year.

Mann-Kendall statistic = -260 critical = -96

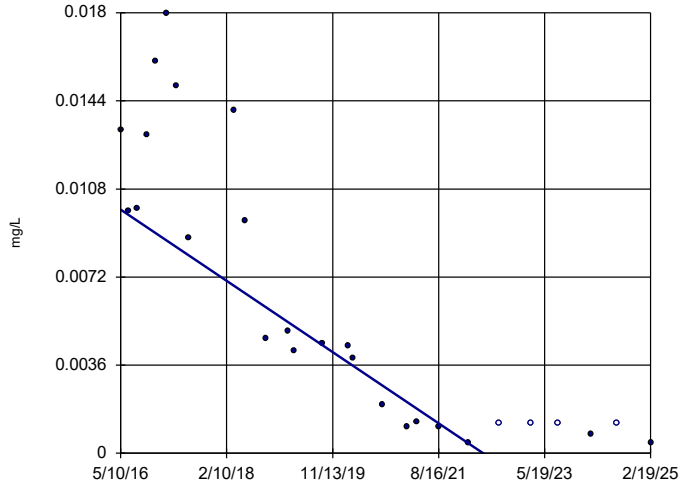
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 27

Slope = -0.001657 units per year.

Mann-Kendall statistic = -263
critical = -96

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

Constituent: Cobalt Analysis Run 5/8/2025 2:49 PM View: Appendix IV Upgradient Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

Cobalt SGWA-1 & SGWA-25 Trend Test - Truncated Records - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.00009099**	**-54**	**-49**	**Yes**	**17**	**0**	**n/a**	**0.05**	**NP**

Cobalt SGWA-1 & SGWA-25 Trend Test - Truncated Records - All Results

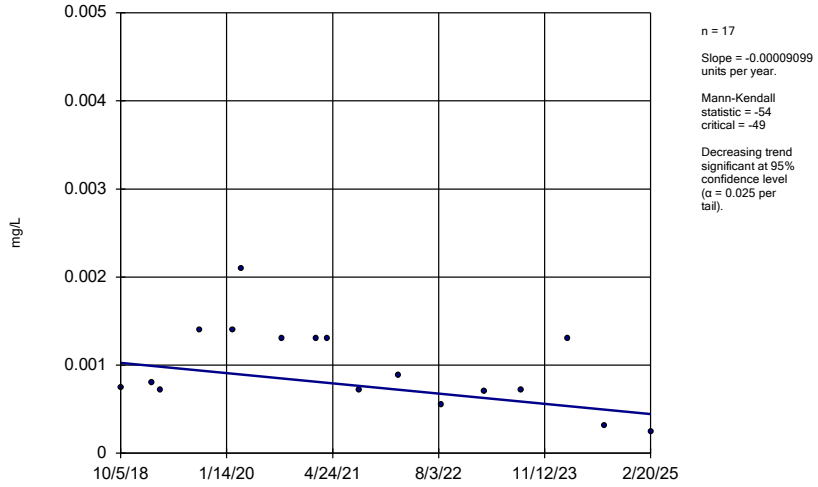
Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.00009099**	**-54**	**-49**	**Yes**	**17**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWA-25 (bg)	0	-1	-27	No	11	36.36	n/a	0.05	NP

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Sen's Slope Estimator

SGWA-1 (bg)



n = 17

Slope = -0.00009099 units per year.

Mann-Kendall statistic = -54
critical = -49

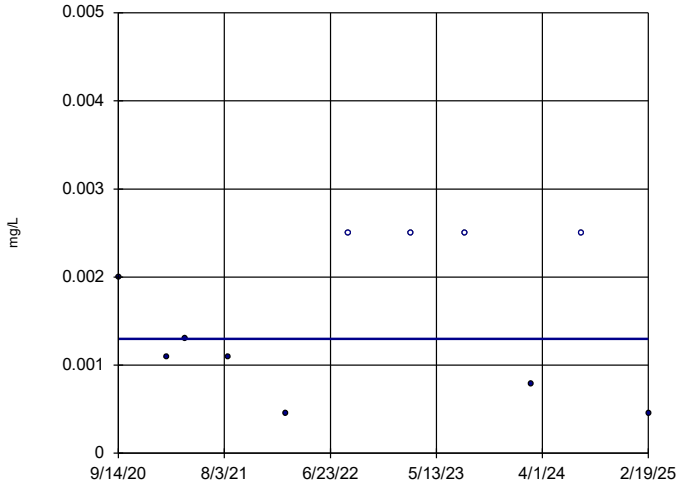
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 5/8/2025 5:17 PM View: Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -27

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

Constituent: Cobalt Analysis Run 5/8/2025 5:17 PM View: Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE E.

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	SGWC-9	0.18	n/a	2/19/2025	1.4	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-10	0.18	n/a	2/19/2025	0.31	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-11	0.18	n/a	2/20/2025	0.87	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-13	0.18	n/a	2/19/2025	0.96	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-14	0.18	n/a	2/19/2025	1.6	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-15	0.18	n/a	2/20/2025	1.3	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-16	0.18	n/a	2/19/2025	0.88	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-17	0.18	n/a	2/19/2025	0.39	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-18	0.18	n/a	2/21/2025	5.5	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-19	0.18	n/a	2/21/2025	2	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-20	0.18	n/a	2/20/2025	1.9	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-21	0.18	n/a	2/20/2025	1.3	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-22	0.18	n/a	2/20/2025	0.52	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-23	0.18	n/a	2/21/2025	0.35	Yes	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Calcium (mg/L)	SGWC-8	23	n/a	2/19/2025	39	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-9	23	n/a	2/19/2025	29	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-12	23	n/a	2/19/2025	25	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-13	23	n/a	2/19/2025	31	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-14	23	n/a	2/19/2025	37	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-17	23	n/a	2/19/2025	79	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-18	23	n/a	2/21/2025	37	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-19	23	n/a	2/21/2025	43	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-21	23	n/a	2/20/2025	42	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-22	23	n/a	2/20/2025	25	Yes	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Chloride (mg/L)	SGWC-7	3.2	n/a	2/19/2025	4.6	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-8	3.2	n/a	2/19/2025	18	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-9	3.2	n/a	2/19/2025	14	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-10	3.2	n/a	2/19/2025	9.6	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-11	3.2	n/a	2/20/2025	12	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-12	3.2	n/a	2/19/2025	12	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-13	3.2	n/a	2/19/2025	25	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-14	3.2	n/a	2/19/2025	30	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-15	3.2	n/a	2/20/2025	11	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-16	3.2	n/a	2/19/2025	17	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-17	3.2	n/a	2/19/2025	20	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-19	3.2	n/a	2/21/2025	12	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-21	3.2	n/a	2/20/2025	5.5	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-22	3.2	n/a	2/20/2025	10	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	SGWC-23	3.2	n/a	2/21/2025	8	Yes	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Fluoride (mg/L)	SGWC-7	0.2	n/a	2/19/2025	0.23	Yes	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
pH, Field (SU)	SGWC-15	7.01	5.09	2/20/2025	4.55	Yes	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-18	7.01	5.09	2/21/2025	4.78	Yes	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-20	7.01	5.09	2/20/2025	4.17	Yes	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-7	3.75	n/a	2/19/2025	4.8	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-8	3.75	n/a	2/19/2025	37	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-9	3.75	n/a	2/19/2025	120	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-10	3.75	n/a	2/19/2025	36	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-11	3.75	n/a	2/20/2025	31	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-12	3.75	n/a	2/19/2025	83	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-13	3.75	n/a	2/19/2025	170	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-14	3.75	n/a	2/19/2025	230	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-15	3.75	n/a	2/20/2025	210	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-16	3.75	n/a	2/19/2025	84	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-17	3.75	n/a	2/19/2025	340	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-18	3.75	n/a	2/21/2025	850	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-19	3.75	n/a	2/21/2025	270	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-20	3.75	n/a	2/20/2025	280	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-21	3.75	n/a	2/20/2025	120	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-22	3.75	n/a	2/20/2025	88	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-23	3.75	n/a	2/21/2025	52	Yes	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-8	200	n/a	2/19/2025	330	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-9	200	n/a	2/19/2025	310	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-12	200	n/a	2/19/2025	220	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
TDS (mg/L)	SGWC-13	200	n/a	2/19/2025	280	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-14	200	n/a	2/19/2025	350	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-15	200	n/a	2/20/2025	320	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-17	200	n/a	2/19/2025	520	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-18	200	n/a	2/21/2025	1100	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-19	200	n/a	2/21/2025	420	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-20	200	n/a	2/20/2025	390	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-21	200	n/a	2/20/2025	380	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-22	200	n/a	2/20/2025	210	Yes	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	SGWC-6	0.18	n/a	2/20/2025	0.069J	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-7	0.18	n/a	2/19/2025	0.08ND	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	SGWC-8	0.18	n/a	2/19/2025	0.042J	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	**SGWC-9**	**0.18**	**n/a**	**2/19/2025**	**1.4**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-10**	**0.18**	**n/a**	**2/19/2025**	**0.31**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-11**	**0.18**	**n/a**	**2/20/2025**	**0.87**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	SGWC-12	0.18	n/a	2/19/2025	0.039J	No	168	n/a	n/a	87.5	n/a	n/a	0.0000699	NP Inter (NDs) 1 of 2
Boron (mg/L)	**SGWC-13**	**0.18**	**n/a**	**2/19/2025**	**0.96**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-14**	**0.18**	**n/a**	**2/19/2025**	**1.6**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-15**	**0.18**	**n/a**	**2/20/2025**	**1.3**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-16**	**0.18**	**n/a**	**2/19/2025**	**0.88**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-17**	**0.18**	**n/a**	**2/19/2025**	**0.39**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-18**	**0.18**	**n/a**	**2/21/2025**	**5.5**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-19**	**0.18**	**n/a**	**2/21/2025**	**2**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-20**	**0.18**	**n/a**	**2/20/2025**	**1.9**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-21**	**0.18**	**n/a**	**2/20/2025**	**1.3**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-22**	**0.18**	**n/a**	**2/20/2025**	**0.52**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	**SGWC-23**	**0.18**	**n/a**	**2/21/2025**	**0.35**	**Yes**	**168**	**n/a**	**n/a**	**87.5**	**n/a**	**n/a**	**0.0000699**	**NP Inter (NDs) 1 of 2**
Calcium (mg/L)	SGWC-6	23	n/a	2/20/2025	13	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-7	23	n/a	2/19/2025	17	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-8**	**23**	**n/a**	**2/19/2025**	**39**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-9**	**23**	**n/a**	**2/19/2025**	**29**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-10	23	n/a	2/19/2025	4.3	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-11	23	n/a	2/20/2025	3.3	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-12**	**23**	**n/a**	**2/19/2025**	**25**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-13**	**23**	**n/a**	**2/19/2025**	**31**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-14**	**23**	**n/a**	**2/19/2025**	**37**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-15	23	n/a	2/20/2025	16	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	SGWC-16	23	n/a	2/19/2025	1.9	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-17**	**23**	**n/a**	**2/19/2025**	**79**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-18**	**23**	**n/a**	**2/21/2025**	**37**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-19**	**23**	**n/a**	**2/21/2025**	**43**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-20	23	n/a	2/20/2025	22	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Calcium (mg/L)	**SGWC-21**	**23**	**n/a**	**2/20/2025**	**42**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**SGWC-22**	**23**	**n/a**	**2/20/2025**	**25**	**Yes**	**168**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	SGWC-23	23	n/a	2/21/2025	19	No	168	n/a	n/a	0	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Chloride (mg/L)	SGWC-6	3.2	n/a	2/20/2025	2.6	No	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	**SGWC-7**	**3.2**	**n/a**	**2/19/2025**	**4.6**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-8**	**3.2**	**n/a**	**2/19/2025**	**18**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-9**	**3.2**	**n/a**	**2/19/2025**	**14**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-10**	**3.2**	**n/a**	**2/19/2025**	**9.6**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-11**	**3.2**	**n/a**	**2/20/2025**	**12**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-12**	**3.2**	**n/a**	**2/19/2025**	**12**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-13**	**3.2**	**n/a**	**2/19/2025**	**25**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-14**	**3.2**	**n/a**	**2/19/2025**	**30**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-15**	**3.2**	**n/a**	**2/20/2025**	**11**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-16**	**3.2**	**n/a**	**2/19/2025**	**17**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-17**	**3.2**	**n/a**	**2/19/2025**	**20**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	SGWC-18	3.2	n/a	2/21/2025	25ND	No	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	**SGWC-19**	**3.2**	**n/a**	**2/21/2025**	**12**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	SGWC-20	3.2	n/a	2/20/2025	6.3J	No	168	1.39	0.193	0	None	sqrt(x)	0.0004426	Param Inter 1 of 2
Chloride (mg/L)	**SGWC-21**	**3.2**	**n/a**	**2/20/2025**	**5.5**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-22**	**3.2**	**n/a**	**2/20/2025**	**10**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Chloride (mg/L)	**SGWC-23**	**3.2**	**n/a**	**2/21/2025**	**8**	**Yes**	**168**	**1.39**	**0.193**	**0**	**None**	**sqrt(x)**	**0.0004426**	**Param Inter 1 of 2**
Fluoride (mg/L)	SGWC-6	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	**SGWC-7**	**0.2**	**n/a**	**2/19/2025**	**0.23**	**Yes**	**195**	**n/a**	**n/a**	**57.95**	**n/a**	**n/a**	**0.00005191**	**NP Inter (NDs) 1 of 2**
Fluoride (mg/L)	SGWC-8	0.2	n/a	2/19/2025	0.17J	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-9	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-10	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-11	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-12	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-13	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-14	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:18 AM

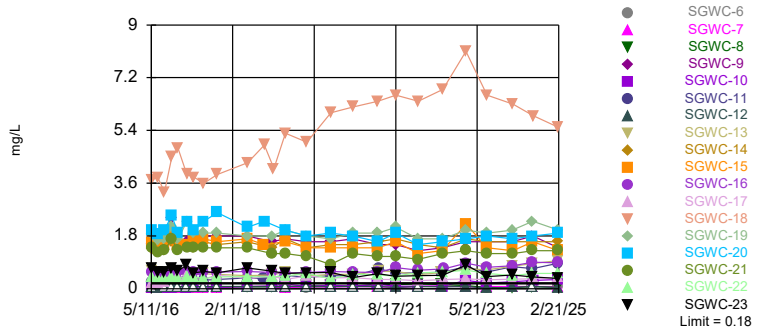
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	SGWC-15	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-16	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-17	0.2	n/a	2/19/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-18	0.2	n/a	2/21/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-19	0.2	n/a	2/21/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-20	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-21	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-22	0.2	n/a	2/20/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	SGWC-23	0.2	n/a	2/21/2025	0.2ND	No	195	n/a	n/a	57.95	n/a	n/a	0.00005191	NP Inter (NDs) 1 of 2
pH, Field (SU)	SGWC-6	7.01	5.09	2/20/2025	6.3	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-7	7.01	5.09	2/19/2025	6.51	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-8	7.01	5.09	2/19/2025	6.65	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-9	7.01	5.09	2/19/2025	6.21	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-10	7.01	5.09	2/19/2025	5.32	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-11	7.01	5.09	2/20/2025	5.38	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-12	7.01	5.09	2/19/2025	6.22	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-13	7.01	5.09	2/19/2025	6.06	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-14	7.01	5.09	2/19/2025	5.79	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**SGWC-15**	**7.01**	**5.09**	**2/20/2025**	**4.55**	**Yes**	**205**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	SGWC-16	7.01	5.09	2/19/2025	5.1	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-17	7.01	5.09	2/19/2025	6.28	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**SGWC-18**	**7.01**	**5.09**	**2/21/2025**	**4.78**	**Yes**	**205**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	SGWC-19	7.01	5.09	2/21/2025	5.59	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	**SGWC-20**	**7.01**	**5.09**	**2/20/2025**	**4.17**	**Yes**	**205**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009815**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	SGWC-21	7.01	5.09	2/20/2025	6.44	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-22	7.01	5.09	2/20/2025	5.7	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
pH, Field (SU)	SGWC-23	7.01	5.09	2/21/2025	5.93	No	205	n/a	n/a	0	n/a	n/a	0.00009815	NP Inter (normality) 1 of 2
Sulfate (mg/L)	SGWC-6	3.75	n/a	2/20/2025	1ND	No	168	n/a	n/a	47.62	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**SGWC-7**	**3.75**	**n/a**	**2/19/2025**	**4.8**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-8**	**3.75**	**n/a**	**2/19/2025**	**37**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-9**	**3.75**	**n/a**	**2/19/2025**	**120**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-10**	**3.75**	**n/a**	**2/19/2025**	**36**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-11**	**3.75**	**n/a**	**2/20/2025**	**31**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-12**	**3.75**	**n/a**	**2/19/2025**	**83**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-13**	**3.75**	**n/a**	**2/19/2025**	**170**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-14**	**3.75**	**n/a**	**2/19/2025**	**230**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-15**	**3.75**	**n/a**	**2/20/2025**	**210**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-16**	**3.75**	**n/a**	**2/19/2025**	**84**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-17**	**3.75**	**n/a**	**2/19/2025**	**340**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-18**	**3.75**	**n/a**	**2/21/2025**	**850**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-19**	**3.75**	**n/a**	**2/21/2025**	**270**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-20**	**3.75**	**n/a**	**2/20/2025**	**280**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-21**	**3.75**	**n/a**	**2/20/2025**	**120**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-22**	**3.75**	**n/a**	**2/20/2025**	**88**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**SGWC-23**	**3.75**	**n/a**	**2/21/2025**	**52**	**Yes**	**168**	**n/a**	**n/a**	**47.62**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-6	200	n/a	2/20/2025	130	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-7	200	n/a	2/19/2025	160	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	**SGWC-8**	**200**	**n/a**	**2/19/2025**	**330**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-9**	**200**	**n/a**	**2/19/2025**	**310**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-10	200	n/a	2/19/2025	93	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	SGWC-11	200	n/a	2/20/2025	90	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	**SGWC-12**	**200**	**n/a**	**2/19/2025**	**220**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-13**	**200**	**n/a**	**2/19/2025**	**280**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-14**	**200**	**n/a**	**2/19/2025**	**350**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-15**	**200**	**n/a**	**2/20/2025**	**320**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-16	200	n/a	2/19/2025	150	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2
TDS (mg/L)	**SGWC-17**	**200**	**n/a**	**2/19/2025**	**520**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-18**	**200**	**n/a**	**2/21/2025**	**1100**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-19**	**200**	**n/a**	**2/21/2025**	**420**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-20**	**200**	**n/a**	**2/20/2025**	**390**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-21**	**200**	**n/a**	**2/20/2025**	**380**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	**SGWC-22**	**200**	**n/a**	**2/20/2025**	**210**	**Yes**	**168**	**n/a**	**n/a**	**0.5952**	**n/a**	**n/a**	**0.0000699**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	SGWC-23	200	n/a	2/21/2025	190	No	168	n/a	n/a	0.5952	n/a	n/a	0.0000699	NP Inter (normality) 1 of 2

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Hollow symbols indicate censored values.

Exceeds Limit: SGWC-9, SGWC-10, SGWC-11, SGWC-13, SGWC-14, SGWC-15, SGWC-16, SGWC-17, SGWC-18, SGWC-19,..

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 168 background values. 87.5% NDs. Annual per-constituent alpha = 0.002374. Individual comparison alpha = 0.0000699 (1 of 2). Comparing 18 points to limit.

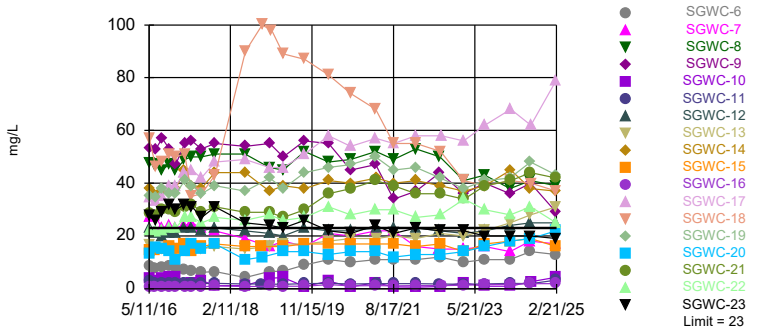
Constituent: Boron Analysis Run 4/17/2025 11:16 AM View: Appendix III Interwell
Plant Scherer Client: Southern Company Data: Scherer AP

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Exceeds Limit: SGWC-8, SGWC-9, SGWC-12, SGWC-13, SGWC-14, SGWC-17, SGWC-18, SGWC-19, SGWC-21, SGWC-22

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 168 background values. Annual per-constituent alpha = 0.002374. Individual comparison alpha = 0.0000699 (1 of 2). Comparing 18 points to limit.

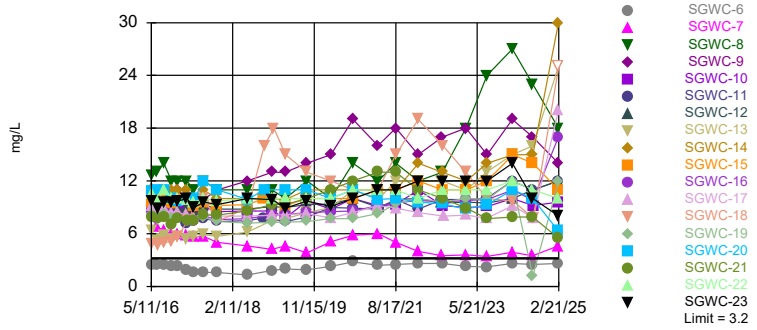
Constituent: Calcium Analysis Run 4/17/2025 11:16 AM View: Appendix III Interwell
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Exceeds Limit: SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16,..

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=1.39, Std. Dev.=0.193, n=168. Normality test: Chi Squared @alpha = 0.01, calculated = 13.19, critical = 14.07. Kappa = 2.066 (c=7, w=17, 1 of 2, event alpha = 0.05132). N exceeds UG tables; Kappa based on n=150. Report alpha = 0.007498. Individual comparison alpha = 0.0004426. Comparing 18 points to limit.

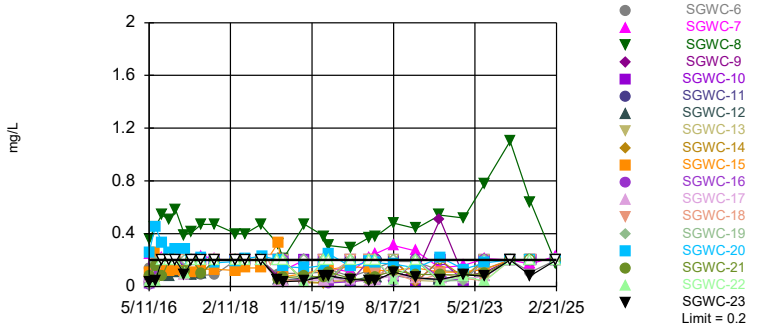
Constituent: Chloride Analysis Run 4/17/2025 11:16 AM View: Appendix III Interwell
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Exceeds Limit: SGWC-7

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 195 background values. 57.95% NDs. Annual per-constituent alpha = 0.001763. Individual comparison alpha = 0.00005191 (1 of 2). Comparing 18 points to limit.

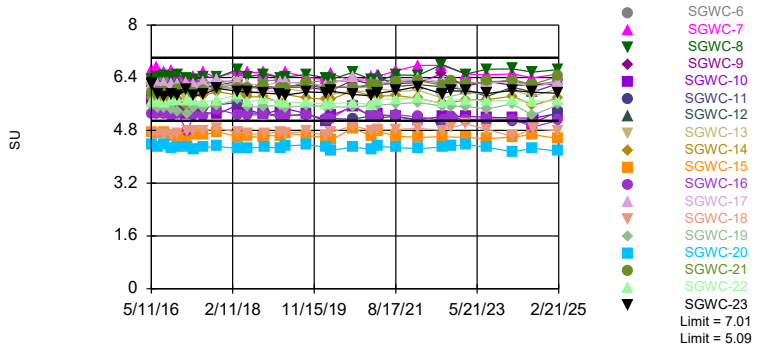
Constituent: Fluoride Analysis Run 4/17/2025 11:16 AM View: Appendix III Interwell
Plant Scherer Client: Southern Company Data: Scherer AP

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Exceeds Limits: SGWC-15, SGWC-18, SGWC-20

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 205 background values. Annual per-constituent alpha = 0.003334. Individual comparison alpha = 0.00009815 (1 of 2). Comparing 18 points to limit.

Constituent: pH, Field Analysis Run 4/17/2025 11:16 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

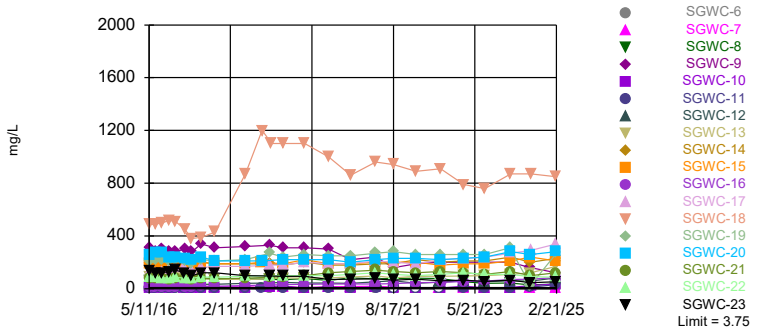
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Hollow symbols indicate censored values.

Exceeds Limit: SGWC-7, SGWC-8, SGWC-9, SGWC-10, SGWC-11, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-16,..

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 168 background values. 47.62% NDs. Annual per-constituent alpha = 0.002374. Individual comparison alpha = 0.0000699 (1 of 2). Comparing 18 points to limit.

Constituent: Sulfate Analysis Run 4/17/2025 11:16 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

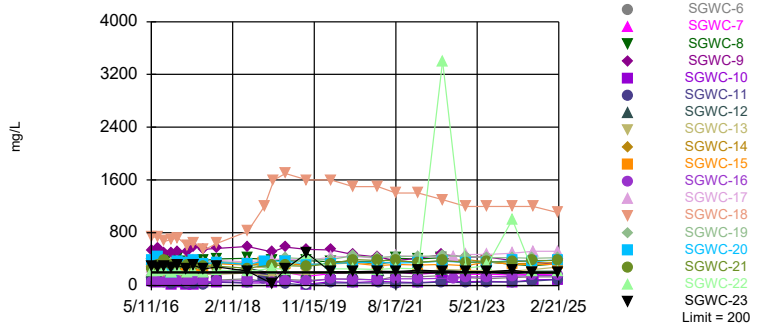
Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Exceeds Limit: SGWC-8, SGWC-9, SGWC-12, SGWC-13, SGWC-14, SGWC-15, SGWC-17, SGWC-18, SGWC-19, SGWC-20...

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 168 background values. 0.5952% NDs. Annual per-constituent alpha = 0.002374. Individual comparison alpha = 0.0000699 (1 of 2). Comparing 18 points to limit.

Constituent: TDS Analysis Run 4/17/2025 11:16 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
5/10/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
5/11/2016							0.242	0.0275 (J)	1.54
5/12/2016									
5/13/2016									
6/23/2016	<0.08		<0.08	<0.08		<0.08			
6/24/2016					0.0109 (J)				
6/27/2016		0.0052 (J)							
6/28/2016							0.245	0.035 (J)	
6/29/2016									1.52
6/30/2016									
8/16/2016	<0.08		<0.08	<0.08	<0.08	<0.08			
8/17/2016		<0.08					0.26	0.028 (J)	
8/18/2016									
8/19/2016									
8/22/2016									1.6
10/13/2016	<0.08		<0.08						
10/14/2016		<0.08		<0.08	<0.08	<0.08			
10/17/2016							0.25	0.032 (J)	
10/18/2016									2.4
10/19/2016									
12/5/2016			<0.08						
12/6/2016	<0.08	<0.08		<0.08	<0.08	<0.08	0.27	<0.08	
12/7/2016									1.6
12/8/2016									
2/14/2017	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
2/15/2017							0.28	0.035 (J)	
2/16/2017									1.6
4/10/2017			<0.08						
4/11/2017	<0.08	<0.08		<0.08	<0.08	<0.08			
4/12/2017							0.29	0.052	
4/13/2017									1.7
6/26/2017	<0.08		<0.08	<0.08	<0.08	<0.08			
6/27/2017		<0.08					0.29	<0.08	1.8
6/28/2017									
10/10/2017	<0.08		<0.08			<0.08			
10/11/2017		<0.08		<0.08	<0.08		0.31		
10/12/2017								0.049 (J)	1.8
6/5/2018	<0.08	<0.08	<0.08	<0.08		<0.08			
6/6/2018					<0.08		0.37	0.07	1.8
6/7/2018									
6/8/2018									
10/16/2018							0.35		
10/18/2018									
12/13/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
12/14/2018									
12/17/2018								0.098	1.6
1/2/2019									
3/28/2019		<0.08		<0.08	<0.08				
3/29/2019	<0.08		<0.08			<0.08			
4/1/2019							0.46	0.16	1.7
4/2/2019									
9/12/2019				<0.08					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
9/13/2019			<0.08						
9/16/2019	0.13	<0.08			0.05	0.089	0.39		1.6
9/17/2019								0.077	
9/18/2019									
3/17/2020		<0.08		<0.08	<0.08	<0.08			
3/18/2020	<0.08		<0.08						
3/23/2020									
3/24/2020									
3/25/2020							0.45	0.12	1.6
3/26/2020									
3/27/2020									
9/14/2020	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.43	0.082	1.7
9/15/2020									
3/30/2021	0.041 (J)		0.072 (J)			0.045 (J)			
3/31/2021				<0.08	<0.08			0.15	1.5
4/1/2021									
4/6/2021									
4/7/2021		<0.08					0.68		
8/17/2021	<0.08	<0.08				<0.08			
8/18/2021			<0.08	<0.08	<0.08				
8/19/2021							0.54	0.091	1.5
8/20/2021									
2/9/2022	<0.08	<0.08		<0.08	<0.08	<0.08			
2/10/2022			<0.08				0.53		1.3
2/11/2022								0.09	
2/14/2022									
8/17/2022	<0.08					<0.08			
8/18/2022		<0.08	<0.08	<0.08	0.072 (J)		0.57		1.4
8/19/2022								0.083	
8/22/2022									
8/23/2022									
8/31/2022									
2/21/2023	<0.08			<0.08	<0.08				
2/22/2023						<0.08	0.75	0.28	1.6
2/23/2023		0.1	0.18						
8/1/2023	0.029 (J)			0.057 (J)		0.044 (J)			
8/2/2023							0.57		
8/7/2023					<0.08			0.19	1.6
8/8/2023		<0.08	<0.08						
2/20/2024	<0.08					<0.08			
2/21/2024			<0.08	<0.08	<0.08				1.6
2/23/2024							0.75	0.24	
2/26/2024									
2/27/2024		0.023 (J)							
7/31/2024	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
8/1/2024							0.69		1.8
8/2/2024									
8/5/2024								0.28	
2/19/2025		<0.08	<0.08					0.31	1.4
2/20/2025	0.033 (J)			0.023 (J)	0.068 (J)	0.032 (J)	0.87		
2/21/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
5/10/2016									
5/11/2016	0.0678 (J)	0.0359 (J)	<0.08	<0.08	<0.08				
5/12/2016						1.4	1.99	1.38	0.562
5/13/2016									
6/23/2016									
6/24/2016				0.0067 (J)					
6/27/2016	0.0767 (J)	0.0354 (J)	0.0051 (J)						
6/28/2016					0.0054 (J)			1.29	0.546
6/29/2016						1.25	1.88		
6/30/2016									
8/16/2016									
8/17/2016	0.067	0.039 (J)	<0.08	<0.08					
8/18/2016					<0.08			1.3	0.54
8/19/2016									
8/22/2016						1.3	2		
10/13/2016									
10/14/2016									
10/17/2016	0.059		<0.08	<0.08	<0.08			1.6	
10/18/2016		0.039 (J)				1.7	2.5		0.55
10/19/2016									
12/5/2016									
12/6/2016	0.054	0.03 (J)	<0.08	<0.08	<0.08				
12/7/2016						1.3		1.5	0.56
12/8/2016							1.9		
2/14/2017	0.063	0.031 (J)	<0.08	<0.08					
2/15/2017					<0.08			1.5	
2/16/2017						1.4	2.3		0.58
4/10/2017									
4/11/2017				<0.08					
4/12/2017	0.068	0.039 (J)	<0.08		<0.08			1.4	
4/13/2017						1.4	2		0.56
6/26/2017				<0.08					
6/27/2017	0.067	0.028 (J)	<0.08		<0.08			1.6	0.56
6/28/2017						1.4	2.3		
10/10/2017									
10/11/2017		0.026 (J)	<0.08	<0.08	<0.08			1.5	
10/12/2017	0.075					1.4	2.6		0.57
6/5/2018									
6/6/2018	0.059	<0.08	<0.08	<0.08	<0.08				
6/7/2018						1.4	2.1	1.6	0.59
6/8/2018									
10/16/2018									
10/18/2018							2.3		
12/13/2018				<0.08					
12/14/2018	0.064	<0.08	<0.08		<0.08			1.4	
12/17/2018						1.2			0.55
1/2/2019									
3/28/2019				<0.08					
3/29/2019									
4/1/2019	0.076	0.025 (J)			<0.08			1.7	
4/2/2019			<0.08			1.2	2		0.53
9/12/2019									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
9/13/2019									
9/16/2019			0.04 (J)	<0.08	<0.08				
9/17/2019	0.11	<0.08				1.1	1.8	1.4	0.55
9/18/2019									
3/17/2020									
3/18/2020				<0.08					
3/23/2020						0.83	1.9		
3/24/2020									
3/25/2020	0.089		<0.08						
3/26/2020		0.055 (J)			<0.08				
3/27/2020								1.5	0.59
9/14/2020	0.1	<0.08	<0.08	<0.08	<0.08				
9/15/2020						1.2	1.8	1.5	0.57
3/30/2021						1.1	1.6		
3/31/2021				<0.08					
4/1/2021	0.14	0.069 (J)	<0.08						0.55
4/6/2021								1.6	
4/7/2021					<0.08				
8/17/2021				<0.08					
8/18/2021	0.14	0.047 (J)	<0.08			1.1			
8/19/2021							1.9	1.7	0.72
8/20/2021					0.043 (J)				
2/9/2022		<0.08	<0.08	<0.08					
2/10/2022	0.16				<0.08				0.63
2/11/2022						1	1.5		
2/14/2022								1.5	
8/17/2022									
8/18/2022	0.14	0.1		<0.08	0.061 (J)				
8/19/2022			<0.08					1.4	
8/22/2022						1.2	1.6		
8/23/2022									
8/31/2022									0.67
2/21/2023									
2/22/2023	0.11	0.064 (J)	<0.08	<0.08			1.7		
2/23/2023					0.079 (J)	1.3		1.7	0.87
8/1/2023			0.037 (J)						
8/2/2023									
8/7/2023				<0.08	0.024 (J)		1.8		
8/8/2023	0.046 (J)	<0.08				1.2		1.6	0.73
2/20/2024			<0.08	<0.08					
2/21/2024	0.036 (J)	<0.08							
2/23/2024					0.043 (J)				
2/26/2024							1.7		0.78
2/27/2024						1.2		1.6	
7/31/2024		<0.08		<0.08					
8/1/2024	<0.08		<0.08		<0.08			1.6	0.9
8/2/2024						1.3	1.8		
8/5/2024									
2/19/2025	0.042 (J)	<0.08		0.032 (J)	0.039 (J)			1.6	0.88
2/20/2025			0.069 (J)			1.3	1.9		
2/21/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	0.599	0.411	0.195	0.691	1.57		
5/13/2016						3.71	1.87
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	0.52				1.36		
6/29/2016		0.373	0.198	0.557			1.67
6/30/2016						3.8	
8/16/2016							
8/17/2016							
8/18/2016	0.51		0.24		1.5		
8/19/2016		0.37		0.58			
8/22/2016						3.3	1.7
10/13/2016							
10/14/2016							
10/17/2016	0.58						
10/18/2016		0.41		0.68	1.9		2.1
10/19/2016			0.37			4.5	
12/5/2016							
12/6/2016	0.5						
12/7/2016		0.36	0.4	0.6	1.5	4.8	
12/8/2016							1.7
2/14/2017							
2/15/2017	0.5		0.38	0.82	1.5		
2/16/2017		0.38				3.9	2.3
4/10/2017							
4/11/2017							
4/12/2017	0.47				1.7		
4/13/2017		0.4	0.34	0.54		3.8	1.9
6/26/2017							
6/27/2017	0.51		0.33		1.7		
6/28/2017		0.35		0.59		3.6	1.9
10/10/2017							
10/11/2017	0.49						
10/12/2017		0.4	0.47	0.54	1.6	3.9	1.9
6/5/2018							
6/6/2018							
6/7/2018	0.45	0.41	0.35	0.71	1.7		
6/8/2018						4.3	1.8
10/16/2018					1.5		
10/18/2018						4.9	
12/13/2018							
12/14/2018	0.47		0.44				
12/17/2018		0.4		0.6			1.8
1/2/2019						4.1	
3/28/2019							
3/29/2019							
4/1/2019	0.57				1.6		
4/2/2019		0.44	0.32	0.52		5.3	2
9/12/2019							

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
9/13/2019							
9/16/2019							
9/17/2019	0.43		0.43		1.4	5	1.8
9/18/2019		0.52		0.54			
3/17/2020							
3/18/2020							
3/23/2020							1.7
3/24/2020		0.34	0.37	0.55			
3/25/2020							
3/26/2020						6	
3/27/2020	0.49				1.4		
9/14/2020	0.49						
9/15/2020		0.5	0.38	0.38	1.4	6.2	1.9
3/30/2021						6.4	1.9
3/31/2021		0.47		0.51	1.4		
4/1/2021			0.31				
4/6/2021							
4/7/2021	0.59						
8/17/2021							
8/18/2021		0.44	0.32	0.42		6.6	
8/19/2021	0.59				1.6		2.1
8/20/2021							
2/9/2022							
2/10/2022		0.54		0.45		6.4	
2/11/2022	0.48		0.27		1.2		1.7
2/14/2022							
8/17/2022							
8/18/2022	0.55						
8/19/2022					1.3		
8/22/2022		0.57		0.46			1.7
8/23/2022						6.8	
8/31/2022			0.31				
2/21/2023							
2/22/2023			0.34			8.1	2
2/23/2023	0.69	0.63		0.81	2.2		
8/1/2023							
8/2/2023	0.64						
8/7/2023		0.52	0.3		1.4	6.6	1.9
8/8/2023				0.41			
2/20/2024							2
2/21/2024		0.45		0.47			
2/23/2024	0.76						
2/26/2024			0.33		1.3		
2/27/2024						6.3	
7/31/2024							
8/1/2024	0.86				1.6		2.3
8/2/2024		0.52		0.4			
8/5/2024			0.34			5.9	
2/19/2025	0.96		0.39				
2/20/2025		0.52			1.3		
2/21/2025				0.35		5.5	2

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
5/10/2016	3	11.4	12.3	2.64	6.22	10.1			
5/11/2016							2.91	4.14	53.1
5/12/2016									
5/13/2016									
6/23/2016	2.42		11.3	1.65		8.45			
6/24/2016					5.55				
6/27/2016		9.16							
6/28/2016							2.19	3.13	
6/29/2016									52.6
6/30/2016									
8/16/2016	2.1		11	1.3	5	9.4			
8/17/2016		9.6					1.9	4.1	
8/18/2016									
8/19/2016									
8/22/2016									57
10/13/2016	2.7		12						
10/14/2016		11		1.4	5.4	10			
10/17/2016							2	4.2	
10/18/2016									53
10/19/2016									
12/5/2016			12						
12/6/2016	2.1	11		1.4	4.8	10	1.9	4.3	
12/7/2016									47
12/8/2016									
2/14/2017	1.8	12	13	1.4	4.6	11			
2/15/2017							1.9	1.5	
2/16/2017									55
4/10/2017			12						
4/11/2017	1.8	11		1.4	5	10			
4/12/2017							1.9	2.2	
4/13/2017									56
6/26/2017	1.7		13	1.5	4.9	10			
6/27/2017		9.5					1.9	3.1	53
6/28/2017									
10/10/2017	2.3		14			11			
10/11/2017		11		1.6	5.5		2		
10/12/2017								1.2	55
6/5/2018	2.6	9.7	13	1.5		11			
6/6/2018					4.1		1.8	1.2	54
6/7/2018									
6/8/2018									
10/16/2018							1.8		
10/18/2018									
12/13/2018	1.7	9.4	12	1.4	4.3	10			
12/14/2018									
12/17/2018								4	55
1/2/2019									
3/28/2019		8.7		1.4	4.8				
3/29/2019	2		12			11			
4/1/2019							1.7	4.2	50
4/2/2019									
9/12/2019				1.6					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
9/13/2019			14						
9/16/2019	1.7	9.5			5.9	12	1.9		56
9/17/2019								0.79	
9/18/2019									
3/17/2020		8.8		1.7	5.3	11			
3/18/2020	1.8		14						
3/23/2020									
3/24/2020									
3/25/2020							2	2.9	55
3/26/2020									
3/27/2020									
9/14/2020	1.6	9.1	14	1.6	5.7	11	1.8	0.75	45
9/15/2020									
3/30/2021	2.2		15			12			
3/31/2021				1.6	5.5			2.3	47
4/1/2021									
4/6/2021									
4/7/2021		9.5					1.9		
8/17/2021	1.8	9.6				12			
8/18/2021			14	1.7	5.9				
8/19/2021							1.9	0.67	34
8/20/2021									
2/9/2022	1.8	9.3		1.8	6	11			
2/10/2022			15				1.9		37
2/11/2022								0.55	
2/14/2022									
8/17/2022	1.9					11			
8/18/2022		9.1	16	1.7	5.9		1.8		44
8/19/2022								0.78	
8/22/2022									
8/23/2022									
8/31/2022									
2/21/2023	2.2			1.8	6.4				
2/22/2023						11	1.7	2.2	36
2/23/2023		9.6	17						
8/1/2023	2.3			2.1		12			
8/2/2023							1.8		
8/7/2023					6.1			1	40
8/8/2023		8.9	16						
2/20/2024	1.7					13			
2/21/2024			16	1.5	5.7				36
2/23/2024							2	0.98	
2/26/2024									
2/27/2024		11							
7/31/2024	2.2	9.7	20	2.2	6.9	12			
8/1/2024							1.9		40
8/2/2024									
8/5/2024								2.7	
2/19/2025		11	18					4.3	29
2/20/2025	2.1			1.8	6.4	12	3.3		
2/21/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
5/10/2016									
5/11/2016	47.6	27.2	8.7	14.4	23.1				
5/12/2016						28.7	13.2	37.7	0.75
5/13/2016									
6/23/2016									
6/24/2016				14.2					
6/27/2016	47	27.9	7.48						
6/28/2016					21			35.8	0.768
6/29/2016						27.9	15.8		
6/30/2016									
8/16/2016									
8/17/2016	45	23	8	15					
8/18/2016					20			37	0.7
8/19/2016									
8/22/2016						30	15		
10/13/2016									
10/14/2016									
10/17/2016	47		8.6	16	21			37	
10/18/2016		24				30	14		0.75
10/19/2016									
12/5/2016									
12/6/2016	45	23	8.2	15	21				
12/7/2016						29		38	0.73
12/8/2016							11		
2/14/2017	49	24	7.2	17					
2/15/2017					23			45	
2/16/2017						31	14		0.81
4/10/2017									
4/11/2017				17					
4/12/2017	50	25	6.7		23			39	
4/13/2017						32	17		0.88
6/26/2017				18					
6/27/2017	50	23	6.2		22			38	0.76
6/28/2017						29	15		
10/10/2017									
10/11/2017		22	6.5	19	23			44	
10/12/2017	51					31	17		1.1
6/5/2018									
6/6/2018	51	19	4.2	18	22				
6/7/2018						29	11	44	0.84
6/8/2018									
10/16/2018									
10/18/2018							12		
12/13/2018				18					
12/14/2018	46	16	6.5		21			37	
12/17/2018						29			0.94
1/2/2019									
3/28/2019				17					
3/29/2019									
4/1/2019	45	18			20			39	
4/2/2019			6.7			27	14		0.92
9/12/2019									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
9/13/2019									
9/16/2019			8.9	18	23				
9/17/2019	52	16				30	14	38	1
9/18/2019									
3/17/2020									
3/18/2020				18					
3/23/2020						36	13		
3/24/2020									
3/25/2020	48		11						
3/26/2020		21			22				
3/27/2020								41	1.5
9/14/2020	49	20	10	17	22				
9/15/2020						38	14	40	1.1
3/30/2021						41	14		
3/31/2021				17					
4/1/2021	52	22	11						1.2
4/6/2021								42	
4/7/2021					23				
8/17/2021				18					
8/18/2021	49	22	11			39			
8/19/2021							12	40	1.1
8/20/2021					23				
2/9/2022		16	11	18					
2/10/2022	53				23				1.2
2/11/2022						36	13		
2/14/2022								41	
8/17/2022									
8/18/2022	50	15		20	22				
8/19/2022			12					39	
8/22/2022						36	13		
8/23/2022									
8/31/2022									1.2
2/21/2023									
2/22/2023	41	15	10	20			14		
2/23/2023					21	34		37	1.3
8/1/2023			11						
8/2/2023									
8/7/2023				21	22		16		
8/8/2023	43	16				39		39	1.5
2/20/2024			11	23					
2/21/2024	38	14							
2/23/2024					24				
2/26/2024							18		1.7
2/27/2024						41		45	
7/31/2024		18		21					
8/1/2024	41		14		25			38	1.9
8/2/2024						44	19		
8/5/2024									
2/19/2025	39	17		21	25			37	1.9
2/20/2025			13			42	22		
2/21/2025									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	16.6	21.9	34.8	27.6	14.5		
5/13/2016						56.9	35.3
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	14.4				14.7		
6/29/2016		21.8	33.1	25.6			34.6
6/30/2016						46.4	
8/16/2016							
8/17/2016							
8/18/2016	15		35		15		
8/19/2016		22		29			
8/22/2016						48	38
10/13/2016							
10/14/2016							
10/17/2016	15						
10/18/2016		23		32	16		36
10/19/2016			39			51	
12/5/2016							
12/6/2016	14						
12/7/2016		23	39	30	15	50	
12/8/2016							36
2/14/2017							
2/15/2017	17		44	32	17		
2/16/2017		27				51	41
4/10/2017							
4/11/2017							
4/12/2017	16				14		
4/13/2017		27	45	31		35	39
6/26/2017							
6/27/2017	15		42		16		
6/28/2017		25		27		36	36
10/10/2017							
10/11/2017	16						
10/12/2017		27	48	31	17	43	39
6/5/2018							
6/6/2018							
6/7/2018	15	26	49	25	16		
6/8/2018						90	37
10/16/2018					16		
10/18/2018						100	
12/13/2018							
12/14/2018	16		46				
12/17/2018		28		24			42
1/2/2019						98	
3/28/2019							
3/29/2019							
4/1/2019	17				16		
4/2/2019		26	46	23		89	38
9/12/2019							

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
9/13/2019							
9/16/2019							
9/17/2019	17		51		17	87	44
9/18/2019		27		26			
3/17/2020							
3/18/2020							
3/23/2020							46
3/24/2020		31	58	22			
3/25/2020							
3/26/2020						81	
3/27/2020	18				17		
9/14/2020	19						
9/15/2020		28	54	21	17	74	47
3/30/2021						68	50
3/31/2021		30		24	17		
4/1/2021			57				
4/6/2021							
4/7/2021	19						
8/17/2021							
8/18/2021		30	55	21		55	
8/19/2021	20				17		45
8/20/2021							
2/9/2022							
2/10/2022		27		23		55	
2/11/2022	19		58		16		46
2/14/2022							
8/17/2022							
8/18/2022	21						
8/19/2022					17		
8/22/2022		28		22			42
8/23/2022						52	
8/31/2022			58				
2/21/2023							
2/22/2023			56			41	38
2/23/2023	20	34		22	14		
8/1/2023							
8/2/2023	22						
8/7/2023		30	62		17	39	41
8/8/2023				20			
2/20/2024							42
2/21/2024		28		20			
2/23/2024	25						
2/26/2024			68		18		
2/27/2024						41	
7/31/2024							
8/1/2024	28				19		48
8/2/2024		31		20			
8/5/2024			62			40	
2/19/2025	31		79				
2/20/2025		25			16		
2/21/2025				19		37	43

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
5/10/2016	1.9	2.77	1.94	1.98	3.45	1.51			
5/11/2016							8.87	9.53	9.29
5/12/2016									
5/13/2016									
6/23/2016	2.2		2.2	2.1		1.8			
6/24/2016					3.5				
6/27/2016		2.9							
6/28/2016							8.3	9.1	
6/29/2016									9
6/30/2016									
8/16/2016	2.1		2	1.8	3.4	1.5			
8/17/2016		2.4					8.6	9.4	
8/18/2016									
8/19/2016									
8/22/2016									9.7
10/13/2016	2		1.9						
10/14/2016		2.1		1.8	3.1	1.4			
10/17/2016							7.9	8.9	
10/18/2016									9.4
10/19/2016									
12/5/2016			1.9						
12/6/2016	2.2	1.7		1.8	3	1.5	7.9	8.9	
12/7/2016									11
12/8/2016									
2/14/2017	2	1.5	1.9	1.8	2.4	1.5			
2/15/2017							7.2	9	
2/16/2017									9.5
4/10/2017			1.8						
4/11/2017	1.8	1.7		1.7	2.5	1.3			
4/12/2017							7.5	8.5	
4/13/2017									8.7
6/26/2017	1.9		1.9	1.7	2.6	1.4			
6/27/2017		2.2					7.8	9.1	9.9
6/28/2017									
10/10/2017	1.8		1.8			1.3			
10/11/2017		1.7		1.6	2.4		7.4		
10/12/2017								8.5	11
6/5/2018	1.7	2	1.9	1.6		1.3			
6/6/2018					2		7.5	8.6	12
6/7/2018									
6/8/2018									
10/16/2018							7.8		
10/18/2018									
12/13/2018	1.7	1.9	2	1.7	2	1.3			
12/14/2018									
12/17/2018								8.6	13
1/2/2019									
3/28/2019		2.2		1.7	2				
3/29/2019	1.5		1.8			1.2			
4/1/2019							7.4	7.8	13
4/2/2019									
9/12/2019				1.5					

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
9/13/2019			1.7						
9/16/2019	1.8	1.9			2.2	1.3	7.9		14
9/17/2019								9.7	
9/18/2019									
3/17/2020		2.4		1.9	2.1	1.6			
3/18/2020	2		2.4						
3/23/2020									
3/24/2020									
3/25/2020							9	8.8	15
3/26/2020									
3/27/2020									
9/14/2020	2.1	2.7	2.5	1.9	2.5	1.5	8.9	10	19
9/15/2020									
3/30/2021	2.3		2.5			1.6			
3/31/2021				2.1	2.3			9.2	16
4/1/2021									
4/6/2021									
4/7/2021		2.3					8.8		
8/17/2021	1.9	2.6				1.6			
8/18/2021			2.7	2.2	2.4				
8/19/2021							9.9	9.3	18
8/20/2021									
2/9/2022	2	1.8		1.9	2.3	1.5			
2/10/2022			2.4				8.8		15
2/11/2022								11	
2/14/2022									
8/17/2022	2					1.5			
8/18/2022		1.9	3.1	2.1	2.4		9.9		17
8/19/2022								9.2	
8/22/2022									
8/23/2022									
8/31/2022									
2/21/2023	2			2	2.3				
2/22/2023						1.5	9.9	9	18
2/23/2023		1.9	3.3						
8/1/2023	2			1.9		1.4			
8/2/2023							10		
8/7/2023					2.2			9.1	15
8/8/2023		1.6	3						
2/20/2024	2.3					1.8			
2/21/2024			3.6	2.3	2.6				19
2/23/2024							12	10	
2/26/2024									
2/27/2024		2							
7/31/2024	2.5	1.9	3.4	2	2.3	1.7			
8/1/2024							11		17
8/2/2024									
8/5/2024								9.2	
2/19/2025		3.4	4.9					9.6	14
2/20/2025	1.8			1.9	2	1.3	12		
2/21/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
5/10/2016									
5/11/2016	12.6	9.65	2.44	1.93	9.04				
5/12/2016						7.93	10.8	11.1	8.56
5/13/2016									
6/23/2016									
6/24/2016				1.8					
6/27/2016	13	6.7	2.5						
6/28/2016					8.8			10	7.8
6/29/2016						7.7	11		
6/30/2016									
8/16/2016									
8/17/2016	14	6.4	2.4	1.4					
8/18/2016					9.3			11	8.5
8/19/2016									
8/22/2016						7.9	11		
10/13/2016									
10/14/2016									
10/17/2016	12		2.3	1.2	8.3			11	
10/18/2016		5.9				7.1	10		8
10/19/2016									
12/5/2016									
12/6/2016	12	5.9	2.3	1.3	8.9				
12/7/2016						7.7		11	8
12/8/2016							9.7		
2/14/2017	12	5.8	1.9	1.3					
2/15/2017					8.7			11	
2/16/2017						7.4	9.8		7.7
4/10/2017									
4/11/2017				1.2					
4/12/2017	11	5.6	1.6		8.6			10	
4/13/2017						7.4	10		7.5
6/26/2017				1.2					
6/27/2017	12	5.7	1.6		9.3			11	8
6/28/2017						8.1	12		
10/10/2017									
10/11/2017		5	1.6	1.1	8.8			10	
10/12/2017	11					8.1	11		7.6
6/5/2018									
6/6/2018	11	4.6	1.3	1.1	8.8				
6/7/2018						8.6	9.9	10	7.7
6/8/2018									
10/16/2018									
10/18/2018							11		
12/13/2018				1.2					
12/14/2018	11	4.2	1.8		9.1			10	
12/17/2018						9.3			8.1
1/2/2019									
3/28/2019				1.2					
3/29/2019									
4/1/2019	10	4.6			9			9.9	
4/2/2019			2			9.3	11		8.2
9/12/2019									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
9/13/2019									
9/16/2019			1.9	1.2	9.3				
9/17/2019	12	3.8				10	11	11	8.4
9/18/2019									
3/17/2020									
3/18/2020				1.5					
3/23/2020						11	10		
3/24/2020									
3/25/2020	10		2.3						
3/26/2020		5.1			9.4				
3/27/2020								11	8.5
9/14/2020	14	5.8	2.8	1.5	10				
9/15/2020						12	11	11	8.6
3/30/2021						13	9.9		
3/31/2021				1.6					
4/1/2021	12	6	2.4						9.2
4/6/2021								11	
4/7/2021					9				
8/17/2021				1.6					
8/18/2021	14	5	2.5			13			
8/19/2021							10	11	9.5
8/20/2021					9.9				
2/9/2022		4	2.6	1.5					
2/10/2022	12				10				9.8
2/11/2022						11	9.6		
2/14/2022								14	
8/17/2022									
8/18/2022	13	3.5		1.6	9.5				
8/19/2022			2.6					13	
8/22/2022						10	9.4		
8/23/2022									
8/31/2022									9.6
2/21/2023									
2/22/2023	18	3.6	2.3	1.6			8.8		
2/23/2023					9.6	8.9		12	9.8
8/1/2023			2.2						
8/2/2023									
8/7/2023				1.2	9.5		9.3		
8/8/2023	24	3.4				7.7		14	9.9
2/20/2024			2.6	1.5					
2/21/2024	27	3.9							
2/23/2024					10				
2/26/2024							11		11
2/27/2024						7.9		15	
7/31/2024		3.5		1.3					
8/1/2024	23		2.5		11			15	9.8
8/2/2024						7.9 (J)	10		
8/5/2024									
2/19/2025	18	4.6		1.1	12			30	17
2/20/2025			2.6			5.5	6.3 (J)		
2/21/2025									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	6.29	10.6	9.11	9.63	9.47		
5/13/2016						4.87	8.16
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	5.4				9.8		
6/29/2016		9.7	8.3	8.8			7.6
6/30/2016						4.7	
8/16/2016							
8/17/2016							
8/18/2016	5.8		8.8		10		
8/19/2016		11		9.6			
8/22/2016						5	8.2
10/13/2016							
10/14/2016							
10/17/2016	5.4						
10/18/2016		10		9.6	9.4		7.7
10/19/2016			8.3			5.1	
12/5/2016							
12/6/2016	5.6						
12/7/2016		10	8.4	9.7	9.8	5.6	
12/8/2016							7.8
2/14/2017							
2/15/2017	5.4		8.1	10	9.8		
2/16/2017		9.8				7.4	7.4
4/10/2017							
4/11/2017							
4/12/2017	5.6				9.2		
4/13/2017		9.6	7.9	9		8.9	7.5
6/26/2017							
6/27/2017	5.9		8.3		9.5		
6/28/2017		10		9.6		10	7.9
10/10/2017							
10/11/2017	5.7						
10/12/2017		9.7	8	9.3	9.2	7.4	7.4
6/5/2018							
6/6/2018							
6/7/2018	6.2	10	8	10	9.3		
6/8/2018						9	7.2
10/16/2018					10		
10/18/2018						16	
12/13/2018							
12/14/2018	7.5		8.1				
12/17/2018		10		9.9			7.3
1/2/2019						18	
3/28/2019							
3/29/2019							
4/1/2019	7.7				9.2		
4/2/2019		10	8.2	8.9		15	7.3
9/12/2019							

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
9/13/2019							
9/16/2019							
9/17/2019	8.4		8.3		10	13	7.4
9/18/2019		10		9.7			
3/17/2020							
3/18/2020							
3/23/2020							7.7
3/24/2020		10	7.8	9.1			
3/25/2020							
3/26/2020						12	
3/27/2020	9				10		
9/14/2020	11						
9/15/2020		11	8.4	10	10	11	7.7
3/30/2021						11	8.3
3/31/2021		11		11	11		
4/1/2021			9.2				
4/6/2021							
4/7/2021	10						
8/17/2021							
8/18/2021		11	8.9	11		15	
8/19/2021	12				11		9.4
8/20/2021							
2/9/2022							
2/10/2022		10		12		19	
2/11/2022	12		8.4		12		10
2/14/2022							
8/17/2022							
8/18/2022	12						
8/19/2022					11		
8/22/2022		11		12			9.6
8/23/2022						16	
8/31/2022			8				
2/21/2023							
2/22/2023			8.1			13	10
2/23/2023	11	11		12	11		
8/1/2023							
8/2/2023	13						
8/7/2023		11	7.8		12	10	9.9
8/8/2023				12			
2/20/2024							12
2/21/2024		12		14			
2/23/2024	15						
2/26/2024			9.2		15		
2/27/2024						9.7 (J)	
7/31/2024							
8/1/2024	16				14		1.2
8/2/2024		11		10			
8/5/2024			7.8			7.8	
2/19/2025	25		20				
2/20/2025		10			11		
2/21/2025				8		<50	12

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:18 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
5/10/2016	<0.2	0.041 (J)	0.0648 (J)	0.0188 (J)	0.0192 (J)	0.0537 (J)			
5/11/2016							0.033 (J)	0.019 (J)	0.076 (J)
5/12/2016									
5/13/2016									
6/23/2016	<0.2		0.05 (J)	<0.2		0.03 (J)			
6/24/2016					0.02 (J)				
6/27/2016		0.03 (J)							
6/28/2016							0.08 (J)	<0.2	
6/29/2016									0.13 (J)
6/30/2016									
8/16/2016	<0.2		<0.2	<0.2	<0.2	<0.2			
8/17/2016		<0.2					<0.2	<0.2	
8/18/2016									
8/19/2016									
8/22/2016									<0.2
10/13/2016	<0.2		<0.2						
10/14/2016		<0.2		<0.2	<0.2	<0.2			
10/17/2016							<0.2	<0.2	
10/18/2016									<0.2
10/19/2016									
12/5/2016			<0.2						
12/6/2016	<0.2	<0.2		<0.2	<0.2	<0.2	<0.2	<0.2	
12/7/2016									<0.2
12/8/2016									
2/14/2017	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			
2/15/2017							<0.2	<0.2	
2/16/2017									0.097 (J)
4/10/2017			<0.2						
4/11/2017	<0.2	<0.2		<0.2	<0.2	<0.2			
4/12/2017							<0.2	<0.2	
4/13/2017									<0.2
6/26/2017	<0.2		<0.2	<0.2	<0.2	<0.2			
6/27/2017		<0.2					<0.2	<0.2	<0.2
6/28/2017									
10/10/2017	<0.2		<0.2			<0.2			
10/11/2017		<0.2		<0.2	<0.2		<0.2		
10/12/2017								<0.2	<0.2
3/26/2018	<0.2		<0.2		<0.2	<0.2			
3/27/2018		<0.2		<0.2			<0.2	<0.2	
3/28/2018									<0.2
6/5/2018	<0.2	<0.2	<0.2	<0.2		<0.2			
6/6/2018					<0.2		<0.2	<0.2	<0.2
6/7/2018									
6/8/2018									
10/5/2018	<0.2		<0.2		<0.2	<0.2			
10/8/2018		<0.2		<0.2					
10/9/2018								<0.2	<0.2
10/16/2018							<0.2		
10/18/2018									
1/2/2019									
2/18/2019	<0.2					0.05 (J)			
2/19/2019		0.044 (J)	0.06 (J)	<0.2	<0.2				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
2/20/2019							<0.2	<0.2	0.074 (J)
3/28/2019		0.037 (J)		<0.2	0.026 (J)				
3/29/2019	<0.2		0.056 (J)			0.053 (J)			
4/1/2019							<0.2	<0.2	0.041 (J)
4/2/2019									
9/12/2019				<0.2					
9/13/2019			0.049 (J)						
9/16/2019	<0.2	0.04 (J)			0.026 (J)	0.054 (J)	<0.2		0.057 (J)
9/17/2019								<0.2	
9/18/2019									
2/13/2020	<0.2		0.066 (J)			0.051 (J)			
2/17/2020		0.041 (J)		<0.2					
2/18/2020					<0.2		<0.2		
2/19/2020								<0.2	0.061 (J)
2/20/2020									
3/17/2020		0.041 (J)		0.03 (J)	0.029 (J)	0.038 (J)			
3/18/2020	<0.2		0.078 (J)						
3/23/2020									
3/24/2020									
3/25/2020							0.058 (J)	0.031 (J)	0.079 (J)
3/26/2020									
3/27/2020									
9/14/2020	<0.2	0.028 (J)	0.038 (J)	<0.2	<0.2	0.033 (J)	<0.2	<0.2	0.037 (J)
9/15/2020									
2/9/2021	<0.2	0.037 (J)	0.059 (J)	<0.2	<0.2	0.055 (J)	<0.2	<0.2	0.05 (J)
2/10/2021									
3/30/2021	<0.2		0.052 (J)			0.048 (J)			
3/31/2021				<0.2	<0.2			0.047 (J)	0.073 (J)
4/1/2021									
4/6/2021									
4/7/2021		0.054 (J)					<0.2		
8/17/2021	0.052 (J)	0.079 (J)				0.096 (J)			
8/18/2021			0.16	0.07 (J)	0.066 (J)				
8/19/2021							<0.2	<0.2	0.078 (J)
8/20/2021									
2/9/2022	0.034 (J)	0.069 (J)		0.044 (J)	0.049 (J)	0.11			
2/10/2022			0.061 (J)				<0.2		0.098 (J)
2/11/2022								0.03 (J)	
2/14/2022									
8/17/2022	0.088 (J)					0.076 (J)			
8/18/2022		0.044 (J)	0.051 (J)	0.036 (J)	0.034 (J)		0.034 (J)		0.51
8/19/2022								<0.2	
8/22/2022									
8/23/2022									
8/31/2022									
2/21/2023	0.048 (J)			0.039 (J)	0.041 (J)				
2/22/2023						0.07 (J)	0.063 (J)	0.045 (J)	0.076 (J)
2/23/2023		0.075 (J)	0.074 (J)						
8/1/2023	<0.2			<0.2		0.077 (J)			
8/2/2023							<0.2		
8/7/2023					<0.2			<0.2	0.11
8/8/2023		0.048 (J)	0.077 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
2/20/2024	<0.2					<0.2			
2/21/2024			<0.2	<0.2	<0.2				<0.2
2/23/2024							<0.2	<0.2	
2/26/2024									
2/27/2024		<0.2							
7/31/2024	<0.2	<0.2	0.06 (J)	<0.2	<0.2	0.05 (J)			
8/1/2024							<0.2		<0.2
8/2/2024									
8/5/2024								<0.2	
2/19/2025		<0.2	<0.2					<0.2	<0.2
2/20/2025	<0.2			<0.2	<0.2	<0.2	<0.2		
2/21/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-23	SGWC-22	SGWC-21	SGWC-13
5/10/2016									
5/11/2016	0.362	0.245 (J)	0.133 (J)	0.108 (J)	0.11 (J)				
5/12/2016						0.0341 (J)	0.029 (J)	0.079 (J)	0.042 (J)
5/13/2016									
6/23/2016									
6/24/2016				0.08 (J)					
6/27/2016	0.45	0.23 (J)	0.21 (J)						
6/28/2016					0.18 (J)				0.15 (J)
6/29/2016						0.04 (J)	0.04 (J)	0.15 (J)	
6/30/2016									
8/16/2016									
8/17/2016	0.54	0.22	0.14 (J)	<0.2					
8/18/2016					0.12 (J)				<0.2
8/19/2016						<0.2	<0.2		
8/22/2016								0.083 (J)	
10/13/2016									
10/14/2016									
10/17/2016	0.51		0.11 (J)	<0.2	0.082 (J)				<0.2
10/18/2016		0.24				<0.2	<0.2	<0.2	
10/19/2016									
12/5/2016									
12/6/2016	0.58	0.26	0.14 (J)	0.091 (J)	0.11 (J)				<0.2
12/7/2016						<0.2	<0.2	<0.2	
12/8/2016									
2/14/2017	0.39	0.17 (J)	0.2	0.1 (J)					
2/15/2017					0.13 (J)	0.092 (J)			<0.2
2/16/2017							0.1 (J)	0.12 (J)	
4/10/2017									
4/11/2017				<0.2					
4/12/2017	0.41	0.2	0.089 (J)		0.088 (J)				<0.2
4/13/2017						<0.2	<0.2	<0.2	
6/26/2017				<0.2					
6/27/2017	0.47	0.23	0.085 (J)		0.1 (J)				<0.2
6/28/2017						<0.2	<0.2	0.1 (J)	
10/10/2017									
10/11/2017		0.21	0.089 (J)	<0.2	<0.2				<0.2
10/12/2017	0.47					<0.2	<0.2	<0.2	
3/26/2018									
3/27/2018	0.4	0.19 (J)	<0.2	<0.2	<0.2	<0.2			<0.2
3/28/2018							<0.2	<0.2	
6/5/2018									
6/6/2018	0.4	0.2	<0.2	<0.2	<0.2				
6/7/2018						<0.2	<0.2	<0.2	<0.2
6/8/2018									
10/5/2018									
10/8/2018			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
10/9/2018	0.47	0.2							
10/16/2018									
10/18/2018									
1/2/2019									
2/18/2019				0.066 (J)					
2/19/2019						0.055 (J)	<0.2		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-23	SGWC-22	SGWC-21	SGWC-13
2/20/2019	0.32	0.2	0.092 (J)		0.052 (J)			0.051 (J)	<0.2
3/28/2019				0.052 (J)					
3/29/2019									
4/1/2019	0.21	0.12 (J)			0.048 (J)				<0.2
4/2/2019			0.1 (J)			0.036 (J)	<0.2	0.066 (J)	
9/12/2019									
9/13/2019									
9/16/2019			0.099 (J)	0.055 (J)	0.065 (J)				
9/17/2019	0.47	0.2						0.077 (J)	0.04 (J)
9/18/2019						0.044 (J)	0.028 (J)		
2/13/2020									
2/17/2020									
2/18/2020	0.38	0.2	0.11	0.068 (J)		0.082 (J)	<0.2	0.073 (J)	
2/19/2020					0.064 (J)				0.027 (J)
2/20/2020									
3/17/2020									
3/18/2020				<0.2					
3/23/2020								0.11	
3/24/2020						0.081 (J)	<0.2		
3/25/2020	0.31		0.13						
3/26/2020		0.14			0.081 (J)				
3/27/2020									0.045 (J)
9/14/2020	0.29	0.11	0.076 (J)	0.035 (J)	0.042 (J)				<0.2
9/15/2020						0.052 (J)	<0.2	0.061 (J)	
2/9/2021	0.37	0.22	0.12	0.059 (J)	0.074 (J)				<0.2
2/10/2021						0.046 (J)	<0.2	0.049 (J)	
3/30/2021								0.074 (J)	
3/31/2021				0.051 (J)		0.046 (J)	<0.2		
4/1/2021	0.38	0.25	0.14						
4/6/2021									
4/7/2021					0.066 (J)				0.053 (J)
8/17/2021				0.093 (J)					
8/18/2021	0.48	0.31	0.19			0.11	0.054 (J)	0.12	
8/19/2021									<0.2
8/20/2021					0.082 (J)				
2/9/2022		0.27	0.19	0.083 (J)					
2/10/2022	0.44				0.06 (J)	0.066 (J)	<0.2		
2/11/2022								0.092 (J)	0.045 (J)
2/14/2022									
8/17/2022									
8/18/2022	0.54	0.14		0.056 (J)	0.052 (J)				0.038 (J)
8/19/2022			0.12						
8/22/2022						0.052 (J)	0.038 (J)	0.09 (J)	
8/23/2022									
8/31/2022									
2/21/2023									
2/22/2023	0.52	0.16	0.11	0.6 (O)					
2/23/2023					0.089 (J)	0.089 (J)	0.075 (J)	0.087 (J)	0.077 (J)
8/1/2023			0.13						
8/2/2023									<0.2
8/7/2023				0.07 (J)	0.078 (J)		0.04 (J)		
8/8/2023	0.78	0.21				0.077 (J)		0.097 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-23	SGWC-22	SGWC-21	SGWC-13
2/20/2024			<0.2	<0.2					
2/21/2024	1.1 (J)	<0.2				<0.2	<0.2		
2/23/2024					<0.2				<0.2
2/26/2024									
2/27/2024								<0.2	
7/31/2024		0.17		0.04 (J)					
8/1/2024	0.64		0.11		<0.2				<0.2
8/2/2024						0.082 (J)	<0.2	<0.2	
8/5/2024									
2/19/2025	0.17 (J)	0.23		<0.2	<0.2				<0.2
2/20/2025			<0.2				<0.2	<0.2	
2/21/2025						<0.2			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-15	SGWC-17	SGWC-16	SGWC-14	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	0.259 (J)	0.1071 (J)	0.066 (J)	0.011 (J)	0.031 (J)		
5/13/2016						0.0343 (J)	0.0126 (J)
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016		0.26 (J)		0.09 (J)	0.03 (J)		
6/29/2016	0.45		0.17 (J)				0.18 (J)
6/30/2016						0.18 (J)	
8/16/2016							
8/17/2016							
8/18/2016		0.14 (J)	<0.2	<0.2	<0.2		
8/19/2016							
8/22/2016	0.33					<0.2	<0.2
10/13/2016							
10/14/2016							
10/17/2016					<0.2		
10/18/2016	0.26	0.12 (J)		<0.2			<0.2
10/19/2016			<0.2			<0.2	
12/5/2016							
12/6/2016							
12/7/2016		0.13 (J)	<0.2	<0.2	<0.2	<0.2	
12/8/2016	0.28						<0.2
2/14/2017							
2/15/2017		0.12 (J)	0.089 (J)		<0.2		
2/16/2017	0.28			<0.2		<0.2	<0.2
4/10/2017							
4/11/2017							
4/12/2017		0.11 (J)			<0.2		
4/13/2017	0.2		<0.2	<0.2		<0.2	<0.2
6/26/2017							
6/27/2017		0.13 (J)	<0.2	<0.2	<0.2		
6/28/2017	0.22					<0.2	<0.2
10/10/2017							
10/11/2017					<0.2		
10/12/2017	0.18 (J)	0.13 (J)	<0.2	<0.2		<0.2	<0.2
3/26/2018							
3/27/2018		0.12 (J)	<0.2	<0.2	<0.2		
3/28/2018	0.19 (J)					<0.2	<0.2
6/5/2018							
6/6/2018							
6/7/2018	0.21	0.14 (J)	<0.2	<0.2	<0.2		
6/8/2018						<0.2	<0.2
10/5/2018							
10/8/2018			<0.2	<0.2	<0.2		
10/9/2018							<0.2
10/16/2018		0.14 (J)					
10/18/2018	0.23					<0.2	
1/2/2019						<0.2	
2/18/2019							
2/19/2019							

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-15	SGWC-17	SGWC-16	SGWC-14	SGWC-18	SGWC-19
2/20/2019	0.2	0.33	0.034 (J)	<0.2	<0.2	<0.2	<0.2
3/28/2019							
3/29/2019							
4/1/2019		0.072 (J)			<0.2		
4/2/2019	0.15 (J)		0.045 (J)	<0.2		0.05 (J)	<0.2
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019	0.14	0.1	0.047 (J)	<0.2	0.028 (J)	0.034 (J)	<0.2
9/18/2019							
2/13/2020							
2/17/2020							
2/18/2020	0.16						
2/19/2020		0.13	0.046 (J)	<0.2	0.026 (J)		<0.2
2/20/2020						<0.2	
3/17/2020							
3/18/2020							
3/23/2020	0.25						0.057 (J)
3/24/2020			0.058 (J)				
3/25/2020							
3/26/2020						0.091 (J)	
3/27/2020		0.13		0.027 (J)	0.041 (J)		
9/14/2020							
9/15/2020	0.15	0.15	0.052 (J)	0.037 (J)	0.04 (J)	<0.2	<0.2
2/9/2021		0.14		<0.2	<0.2		
2/10/2021	0.19		0.03 (J)			<0.2	<0.2
3/30/2021	0.18					0.1 (J)	<0.2
3/31/2021		0.12					
4/1/2021			0.051 (J)	<0.2			
4/6/2021					<0.2		
4/7/2021							
8/17/2021							
8/18/2021			0.087 (J)			0.099 (J)	
8/19/2021	0.17	0.12		0.038 (J)	<0.2		<0.2
8/20/2021							
2/9/2022							
2/10/2022				<0.2		0.039 (J)	
2/11/2022	0.14	0.14	0.064 (J)				<0.2
2/14/2022					0.035 (J)		
8/17/2022							
8/18/2022							
8/19/2022		0.11			<0.2		
8/22/2022	0.22						0.041 (J)
8/23/2022						0.1 (J)	
8/31/2022			0.058 (J)	0.058 (J)			
2/21/2023							
2/22/2023	0.13		0.06 (J)			0.061 (J)	0.046 (J)
2/23/2023		0.11		0.045 (J)	0.068 (J)		
8/1/2023							
8/2/2023							
8/7/2023	0.18	0.13	0.076 (J)			0.043 (J)	<0.2
8/8/2023				<0.2	<0.2		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-15	SGWC-17	SGWC-16	SGWC-14	SGWC-18	SGWC-19
2/20/2024							<0.2
2/21/2024							
2/23/2024							
2/26/2024	<0.2	<0.2	<0.2	<0.2			
2/27/2024					<0.2	<0.2	
7/31/2024							
8/1/2024		<0.2		<0.2	<0.2		<0.2
8/2/2024	<0.2						
8/5/2024			<0.2			<0.2	
2/19/2025			<0.2	<0.2	<0.2		
2/20/2025	<0.2	<0.2					
2/21/2025						<0.2	<0.2

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWC-11	SGWC-12	SGWA-4 (bg)
5/10/2016	5.51	6.83	5.84	6.34	6.14	5.75			
5/11/2016							5.84	6.28	6.49
5/12/2016									
5/13/2016									
6/23/2016	5.5	6.82	5.71	6.33					
6/24/2016					6.14	5.78			6.48
6/27/2016					6.08				
6/28/2016							5.77	6.26	
6/29/2016									
6/30/2016									
8/16/2016	5.42	6.73	5.64	6.35		5.72			
8/17/2016					6.1		5.71		6.42
8/18/2016								6.23	
8/19/2016									
8/22/2016									
10/13/2016	5.52			6.34					
10/14/2016		6.74	5.59		6.14	5.71			
10/17/2016							5.69	6.27	6.44
10/18/2016									
10/19/2016									
12/5/2016				6.32					
12/6/2016	5.33	6.74	5.46		6.19	5.68	5.58	6.28	6.48
12/7/2016									
12/8/2016									
2/14/2017	5.29	6.85	5.29	6.33	6.34	5.57			6.18
2/15/2017							5.54	6.21	
2/16/2017									
4/10/2017				6.31					
4/11/2017	5.21	6.75	5.54		6.16	5.7			6.49
4/12/2017							5.47	6.15	
4/13/2017									
6/26/2017	5.25	6.82	5.54	6.35		5.68			6.48
6/27/2017					6.08		5.47	6.23	
6/28/2017									
10/10/2017	5.49	6.87		6.37					
10/11/2017			5.43		6.16	5.63	5.58	6.26	6.42
10/12/2017									
3/26/2018	5.39	6.77		6.32		5.89			
3/27/2018			5.52		6.12		5.65	6.32	6.53
3/28/2018									
6/5/2018	5.38	6.73	5.59	6.27	6.06				
6/6/2018						5.62	5.32	6.1	6.7
6/7/2018									
6/8/2018									
10/5/2018	5.46	6.81	5.7	6.37		5.76			
10/8/2018			5.59		6.16			6.16	6.53
10/9/2018									
10/16/2018							5.34		
10/17/2018							5.35		
10/18/2018									
2/18/2019	5.43	6.74							6.28
2/19/2019			5.67	6.29	6.03	5.69			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWC-11	SGWC-12	SGWA-4 (bg)
2/20/2019							5.22	6.07	
2/21/2019									
3/28/2019			5.67		6.15	5.88			6.53
3/29/2019	5.22	6.81		6.31					
4/1/2019							5.24	6.14	
4/2/2019									
9/12/2019			5.59						
9/13/2019				6.36					
9/16/2019	5.22	6.82			6.01	5.8	5.3	6.18	6.44
9/17/2019									
9/18/2019									
2/13/2020	5.09	6.59		6.24					
2/17/2020			5.73		6.1				
2/18/2020						5.76	5.09		6.38
2/19/2020								6.07	
2/20/2020									
3/17/2020		6.83	5.62		6.02	5.87			
3/18/2020	5.37			6.4					6.36
3/23/2020									
3/24/2020									
3/25/2020							5.16		
3/26/2020								6.1	
3/27/2020									
5/19/2020	5.37	6.8	5.61	6.37	6.03	5.8			6.38
9/14/2020	5.11	6.73	5.82	6.52	5.98	5.84	5.14	6.11	6.4
9/15/2020									
2/9/2021	5.25	6.75	5.53	6.4	6.06	5.8	5.24	6.13	6.38
2/10/2021									
3/30/2021	5.28	6.73		6.27					
3/31/2021			5.5			5.72			6.33
4/1/2021									
4/6/2021									
4/7/2021					6.12		5.18	6.44	
8/17/2021	5.26	6.84			6.08				6.41
8/18/2021			5.51	6.45		5.85			
8/19/2021							5.23		
8/20/2021								6.13	
2/9/2022	5.28	7.01	5.56		6.17	5.84			6.38
2/10/2022				6.38			5.11	6.19	
2/11/2022									
2/14/2022									
8/17/2022	5.16	6.79							
8/18/2022			5.43	6.32	6.03	5.64	5.06	6.12	6.35
8/19/2022									
8/22/2022									
8/23/2022									
8/31/2022									
10/25/2022									
10/31/2022									
11/16/2022									
2/21/2023	5.28		5.6			5.82			
2/22/2023		6.85					5.1		6.36

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-2 (bg)	SGWA-5 (bg)	SGWA-24 (bg)	SGWA-25 (bg)	SGWA-3 (bg)	SGWC-11	SGWC-12	SGWA-4 (bg)
2/23/2023				6.33	6.04			6.04	
8/1/2023	5.3	6.77	5.48						
8/2/2023							5.09		
8/7/2023						5.84		5.83	6.39
8/8/2023				6.35	6.06				
2/20/2024	5.44	6.99							6.27
2/21/2024			5.63	6.31		5.96			
2/23/2024							5.07	6.11	
2/26/2024									
2/27/2024					6.7				
7/31/2024	5.3	6.77	5.49	6.27	5.93	5.83			6.29
8/1/2024							5.03	5.97	
8/2/2024									
8/5/2024									
2/19/2025				6.5	6.18			6.22	6.33
2/20/2025	5.44	6.95	5.48			5.89	5.38		
2/21/2025									

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-10	SGWC-7	SGWC-8	SGWC-9	SGWC-15	SGWC-23	SGWC-22	SGWC-21
5/10/2016									
5/11/2016	6.39	5.7	6.66	6.35	6.24				
5/12/2016						4.76	6.18	5.68	5.95
5/13/2016									
6/23/2016									
6/24/2016									
6/27/2016	6.3		6.73	6.41	6.15				
6/28/2016		5.67				4.69			
6/29/2016					6.18		5.88	5.68	5.96
6/30/2016									
8/16/2016									
8/17/2016	6.28	5.55	6.55	6.45					
8/18/2016						4.73			
8/19/2016							5.84	5.65	
8/22/2016					6.15				5.96
10/13/2016									
10/14/2016									
10/17/2016	6.3	5.45		6.43					
10/18/2016			6.59		6.11	4.62	5.89	5.71	5.9
10/19/2016									
12/5/2016									
12/6/2016	6.3	5.49	6.51	6.48					
12/7/2016					6.14	4.63	5.87	5.71	6.03
12/8/2016									
2/14/2017	6.31		6.3	6.39					
2/15/2017		5.29				4.51	6.04		
2/16/2017					5.95			5.7	6.03
4/10/2017									
4/11/2017									
4/12/2017	6.23	5.39	6.43	6.35		4.67			
4/13/2017					6.09		5.85	5.7	5.93
6/26/2017									
6/27/2017	6.23		6.56	6.41	6.09	4.66			
6/28/2017							5.9	5.66	6
10/10/2017									
10/11/2017	6.09		6.4						
10/12/2017		5.3		6.41	6.16	4.76	6.07	5.73	6.09
3/26/2018									
3/27/2018	6.2	5.58	6.6	6.66		4.61	5.99		
3/28/2018					6.3			5.89	6.08
6/5/2018									
6/6/2018	5.99	5.43	6.56	6.42	6.12				
6/7/2018						4.62	5.97	5.66	6.1
6/8/2018									
10/5/2018									
10/8/2018	6.3						5.94	5.74	6.14
10/9/2018		5.29	6.56	6.51	6.06				
10/16/2018						4.59			
10/17/2018						4.67			
10/18/2018									
2/18/2019									
2/19/2019							5.9	5.69	

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-10	SGWC-7	SGWC-8	SGWC-9	SGWC-15	SGWC-23	SGWC-22	SGWC-21
2/20/2019	6.34	5.43	6.4	6.4		4.62			
2/21/2019					6.1				6.08
3/28/2019									
3/29/2019									
4/1/2019		5.46	6.57	6.41	6.11	4.72			
4/2/2019	6.25						5.87	5.65	6.09
9/12/2019									
9/13/2019									
9/16/2019	6.26				6.11				
9/17/2019		5.31	6.41	6.5		4.65			6.27
9/18/2019							5.97	5.66	
2/13/2020									
2/17/2020									
2/18/2020	6.32		6.35	6.39			5.95	5.59	6.06
2/19/2020		5.07			6.03	4.58			
2/20/2020									
3/17/2020									
3/18/2020									
3/23/2020									6.12
3/24/2020							6	5.62	
3/25/2020	6.31	5.26		6.35	6.01				
3/26/2020			6.52						
3/27/2020						4.51			
5/19/2020									
9/14/2020	6.29	5.51	6.31	6.56	6.33				
9/15/2020						4.87	5.89	5.65	6.1
2/9/2021	6.34	5.23	6.42	6.35	6.21	4.63			
2/10/2021							5.85	5.58	6.21
3/30/2021									6.17
3/31/2021		5.3			6.2	4.77	5.93	5.73	
4/1/2021	6.31		6.44	6.32					
4/6/2021									
4/7/2021									
8/17/2021									
8/18/2021	6.33		6.61	6.48			6.01	5.76	6.26
8/19/2021		5.21			6.22	4.63			
8/20/2021									
2/9/2022	6.33		6.77						
2/10/2022				6.47	6.25		6.13	5.78	
2/11/2022		5.13				4.59			6.31
2/14/2022									
8/17/2022									
8/18/2022			6.77	6.8	6.52				
8/19/2022	6.24	5.22				4.61			
8/22/2022							5.91	5.62	6.17
8/23/2022									
8/31/2022									
10/25/2022									
10/31/2022							6	5.72	6.29
11/16/2022									
2/21/2023									
2/22/2023	6.28	5.23	6.51	6.51	6.14				

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-10	SGWC-7	SGWC-8	SGWC-9	SGWC-15	SGWC-23	SGWC-22	SGWC-21
2/23/2023						4.59	6	5.72	6.19
8/1/2023	6.21								
8/2/2023									
8/7/2023		5.2			6.29	4.55		5.7	
8/8/2023			6.48	6.66			5.92		6.29
2/20/2024	6.36								
2/21/2024			6.52	6.67	6.17		6.02	5.71	
2/23/2024		5.18							
2/26/2024						4.6			
2/27/2024									6.29
7/31/2024			6.39						
8/1/2024	6.18			6.57	6.18	4.68			
8/2/2024							5.96	5.69	6.2
8/5/2024		5.17							
2/19/2025		5.32	6.51	6.65	6.21				
2/20/2025	6.3					4.55		5.7	6.44
2/21/2025							5.93		

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-14	SGWC-20	SGWC-17	SGWC-16	SGWC-13	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	5.79	4.36	6.21	5.29	6.09		
5/13/2016						4.7	5.55
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	5.77			5.3	6.07		
6/29/2016		4.3	6.21				5.5
6/30/2016						4.69	
8/16/2016							
8/17/2016							
8/18/2016	5.75		6.24	5.3	6		
8/19/2016							
8/22/2016		4.37				4.68	5.5
10/13/2016							
10/14/2016							
10/17/2016	5.73				6.01		
10/18/2016		4.26	6.18	5.23			5.46
10/19/2016			6.2			4.65	
12/5/2016							
12/6/2016					5.98		
12/7/2016	5.75		6.19	5.31		4.69	
12/8/2016		4.28					5.39
2/14/2017							
2/15/2017	5.58		6.25		5.74		
2/16/2017		4.29		4.77		4.77	5.32
4/10/2017							
4/11/2017							
4/12/2017	5.85				6.01		
4/13/2017		4.24	6.21	5.28		4.79	5.47
6/26/2017							
6/27/2017	5.86		6.27	5.22	6.05		
6/28/2017		4.28				4.78	5.5
10/10/2017							
10/11/2017	5.98				6.14		
10/12/2017		4.32	6.33	5.43		4.86	5.57
3/26/2018							
3/27/2018	5.87		6.26	5.28	6.25		
3/28/2018		4.25				4.74	5.74
6/5/2018							
6/6/2018							
6/7/2018	5.81	4.26	6.21	5.26	5.93		
6/8/2018						4.69	5.52
10/5/2018							
10/8/2018	5.83		6.17	5.29	6.02		
10/9/2018							5.51
10/16/2018							
10/17/2018							
10/18/2018		4.3				4.7	
2/18/2019							
2/19/2019							

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-14	SGWC-20	SGWC-17	SGWC-16	SGWC-13	SGWC-18	SGWC-19
2/20/2019		4.26	6.26	5.23	5.97	4.76	5.58
2/21/2019	5.65						
3/28/2019							
3/29/2019							
4/1/2019	5.89				6.06		
4/2/2019		4.33	6.26	5.27		4.72	5.5
9/12/2019							
9/13/2019							
9/16/2019							
9/17/2019	5.78	4.37	6.23	5.26	5.98	4.77	5.55
9/18/2019							
2/13/2020							
2/17/2020							
2/18/2020		4.3					
2/19/2020	5.75		6.16	5.16	5.94		5.53
2/20/2020						4.64	
3/17/2020							
3/18/2020							
3/23/2020		4.19					5.51
3/24/2020			6.21				
3/25/2020							
3/26/2020						4.74	
3/27/2020	5.74			5.17	5.89		
5/19/2020							
9/14/2020					6		
9/15/2020	6.01	4.3	6.42	5.56		4.94	5.51
2/9/2021	5.85			5.22	5.98		
2/10/2021		4.22	6.23			4.8	5.55
3/30/2021		4.32				4.82	5.57
3/31/2021							
4/1/2021			6.25	5.24			
4/6/2021	5.84						
4/7/2021					6.07		
8/17/2021							
8/18/2021			6.26			4.83	
8/19/2021	5.86	4.28		5.28	5.99		5.61
8/20/2021							
2/9/2022							
2/10/2022				5.21		4.86	
2/11/2022		4.25	6.39		6.02		5.65
2/14/2022	5.77						
8/17/2022							
8/18/2022					5.78		
8/19/2022	5.62						
8/22/2022		4.3					5.54
8/23/2022						4.8	
8/31/2022			6.26	5.1			
10/25/2022			6.27	5.23			
10/31/2022		4.32				4.89	5.53
11/16/2022			6.23	5.17			
2/21/2023							
2/22/2023		4.38	6.23			5	5.53

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-14	SGWC-20	SGWC-17	SGWC-16	SGWC-13	SGWC-18	SGWC-19
2/23/2023	5.72			5.13	5.94		
8/1/2023							
8/2/2023					5.92		
8/7/2023		4.29	6.25			4.83	5.45
8/8/2023	5.73			5.15			
2/20/2024							5.61
2/21/2024							
2/23/2024					6.03		
2/26/2024		4.15	6.28	5.13			
2/27/2024	5.84					4.62	
7/31/2024							
8/1/2024	5.56			4.91	5.84		5.26
8/2/2024		4.26					
8/5/2024			6.12			4.85	
2/19/2025	5.79		6.28	5.1	6.06		
2/20/2025		4.17					
2/21/2025						4.78	5.59

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
5/10/2016	0.6766 (J)	0.686 (J)	<1	0.4716 (J)	2.82	0.4053 (J)			
5/11/2016							6.31	7.43	313
5/12/2016									
5/13/2016									
6/23/2016	0.94 (J)		0.3 (J)	0.46 (J)		0.55 (J)			
6/24/2016					2.3				
6/27/2016		0.61 (J)							
6/28/2016							3.7	6.3	
6/29/2016									280
6/30/2016									
8/16/2016	1.2		<1	<1	1.5	<1			
8/17/2016		<1					2.4	11	
8/18/2016									
8/19/2016									
8/22/2016									300
10/13/2016	2.9		<1						
10/14/2016		<1		<1	1.2	<1			
10/17/2016							2.1	4.4	
10/18/2016									280
10/19/2016									
12/5/2016			<1						
12/6/2016	3.2	<1		<1	1.3	<1	1.9	11	
12/7/2016									280
12/8/2016									
2/14/2017	0.76 (J)	<1	<1	<1	1.9	<1			
2/15/2017							1.2	1.3	
2/16/2017									300
4/10/2017			<1						
4/11/2017	<1	<1		<1	1.3	<1			
4/12/2017							1	2.8	
4/13/2017									280
6/26/2017	0.74 (J)		<1	<1	1.5	<1			
6/27/2017		<1					1.2	8.2	340
6/28/2017									
10/10/2017	0.76 (J)		<1			<1			
10/11/2017		<1		<1	0.98 (J)		0.82 (J)		
10/12/2017								1.3	310
6/5/2018	<1	<1	<1	<1		<1			
6/6/2018					1.8		0.89 (J)	2.9	320
6/7/2018									
6/8/2018									
10/16/2018							1.3		
10/18/2018									
12/13/2018	<1	<1	<1	<1	1.4	<1			
12/14/2018									
12/17/2018								16	330
1/2/2019									
3/28/2019		<1		<1	1.9				
3/29/2019	<1		<1			0.65 (J)			
4/1/2019							0.81 (J)	21	310
4/2/2019									
9/12/2019				<1					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
9/13/2019			<1						
9/16/2019	0.98 (J)	<1			0.92 (J)	0.68 (J)	0.72 (J)		310
9/17/2019								2.3	
9/18/2019									
3/17/2020		0.61 (J)		0.55 (J)	1.6	0.78 (J)			
3/18/2020	1.2		0.45 (J)						
3/23/2020									
3/24/2020									
3/25/2020							0.58 (J)	14	300
3/26/2020									
3/27/2020									
9/14/2020	0.58 (J)	<1	<1	<1	0.82 (J)	<1	0.59 (J)	2.2	220
9/15/2020									
3/30/2021	1.2		<1			<1			
3/31/2021				<1	1.1			15	240
4/1/2021									
4/6/2021									
4/7/2021		<1					1.3		
8/17/2021	<1	<1				<1			
8/18/2021			1	<1	0.9 (J)				
8/19/2021							<1	2.2	160
8/20/2021									
2/9/2022	1	<1		<1	1.3	1.2			
2/10/2022			<1				<1		190
2/11/2022								2.1	
2/14/2022									
8/17/2022	0.94 (J)					0.87 (J)			
8/18/2022		<1	<1	<1	<1		<1		200
8/19/2022								4.5	
8/22/2022									
8/23/2022									
8/31/2022									
2/21/2023	1.3			1.2	1.6				
2/22/2023						1.4	3.1	18	200
2/23/2023		1.3	1.6						
8/1/2023	0.48 (J)			<1		0.48 (J)			
8/2/2023							4.8		
8/7/2023					0.64 (J)			7.1	200
8/8/2023		<1	<1						
2/20/2024	0.88 (J)					0.9 (J)			
2/21/2024			<1	<1	0.69 (J)				200
2/23/2024							8	9.1	
2/26/2024									
2/27/2024		0.55 (J)							
7/31/2024	0.52 (J)	<1	<1	<1	0.67 (J)	0.45 (J)			
8/1/2024							13		160
8/2/2024									
8/5/2024								23	
2/19/2025		<1	<1					36	120
2/20/2025	0.5 (J)			<1	0.59 (J)	<1	31		
2/21/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
5/10/2016									
5/11/2016	61.6	21.6	0.866 (J)	3.75	30.1				
5/12/2016						76.9	255	194	9.9
5/13/2016									
6/23/2016									
6/24/2016				3					
6/27/2016	64	17	0.86 (J)						
6/28/2016					25			200	11
6/29/2016						78	270		
6/30/2016									
8/16/2016									
8/17/2016	63	19	<1	1.8					
8/18/2016					24			180	14
8/19/2016									
8/22/2016						78	270		
10/13/2016									
10/14/2016									
10/17/2016	64		<1	1.4	23			190	
10/18/2016		17				70	240		15
10/19/2016									
12/5/2016									
12/6/2016	72	18	<1	1.4	28				
12/7/2016						80		200	17
12/8/2016							240		
2/14/2017	73	21	1	1.1					
2/15/2017					33			190	
2/16/2017						77	230		17
4/10/2017									
4/11/2017				1					
4/12/2017	64	18	<1		30			170	
4/13/2017						70	220		15
6/26/2017				0.99 (J)					
6/27/2017	77	19	<1		33			200	19
6/28/2017						82	240		
10/10/2017									
10/11/2017		15	<1	0.93 (J)	33			190	
10/12/2017	74					76	210		20
6/5/2018									
6/6/2018	74	14	<1	0.89 (J)	41				
6/7/2018						79	210	190	25
6/8/2018									
10/16/2018									
10/18/2018							210		
12/13/2018				0.76 (J)					
12/14/2018	72	10	<1		43			190	
12/17/2018						88			28
1/2/2019									
3/28/2019				1.2					
3/29/2019									
4/1/2019	67	16			48			180	
4/2/2019			1.3			92	220		31
9/12/2019									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
9/13/2019									
9/16/2019			0.53 (J)	1.1	44				
9/17/2019	77	8.7				99	220	200	33
9/18/2019									
3/17/2020									
3/18/2020				1.3					
3/23/2020						120	220		
3/24/2020									
3/25/2020	62		0.58 (J)						
3/26/2020		15			44				
3/27/2020								180	35
9/14/2020	81	17	0.46 (J)	0.96 (J)	41				
9/15/2020						130	200	180	36
3/30/2021						140	220		
3/31/2021				1.1					
4/1/2021	74	18	<1						37
4/6/2021								190	
4/7/2021					54				
8/17/2021				1.1					
8/18/2021	78	12	<1			130			
8/19/2021							230	190	38
8/20/2021					60				
2/9/2022		7.1	0.88 (J)	1.1					
2/10/2022	80				41				45
2/11/2022						120	230		
2/14/2022								220	
8/17/2022									
8/18/2022	78	5.3		<1	50				
8/19/2022			<1					200	
8/22/2022						130	220		
8/23/2022									
8/31/2022									49
2/21/2023									
2/22/2023	52	6.7	1.4	1.4			230		
2/23/2023					57	120		210	55
8/1/2023			0.4 (J)						
8/2/2023									
8/7/2023				0.53 (J)	54		240		
8/8/2023	41	4.5				110		210	59
2/20/2024			1.5	<1					
2/21/2024	44	5.2							
2/23/2024					61				
2/26/2024							280		69
2/27/2024						130		240	
7/31/2024		4.8		0.46 (J)					
8/1/2024	29		<1		59			200	73
8/2/2024						100	260		
8/5/2024									
2/19/2025	37	4.8		0.51 (J)	83			230	84
2/20/2025			<1			120	280		
2/21/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	89.7	85.3	125	131	194		
5/13/2016						484	212
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	76				200		
6/29/2016		84	120	120			220
6/30/2016						490	
8/16/2016							
8/17/2016							
8/18/2016	78		130		190		
8/19/2016		81		120			
8/22/2016						500	220
10/13/2016							
10/14/2016							
10/17/2016	73						
10/18/2016		83		130	190		210
10/19/2016			140			520	
12/5/2016							
12/6/2016	76						
12/7/2016		85	160	140	200	510	
12/8/2016							220
2/14/2017							
2/15/2017	73		160	120	190		
2/16/2017		83				450	210
4/10/2017							
4/11/2017							
4/12/2017	70				170		
4/13/2017		79	140	100		380	190
6/26/2017							
6/27/2017	78		160		200		
6/28/2017		90		120		390	220
10/10/2017							
10/11/2017	72						
10/12/2017		87	170	120	190	430	210
6/5/2018							
6/6/2018							
6/7/2018	69	94	170	100	190		
6/8/2018						870	220
10/16/2018					200		
10/18/2018						1200	
12/13/2018							
12/14/2018	74		180				
12/17/2018		99		96			270
1/2/2019						1100	
3/28/2019							
3/29/2019							
4/1/2019	82				190		
4/2/2019		100	180	95		1100	240
9/12/2019							

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
9/13/2019							
9/16/2019							
9/17/2019	79		200		220	1100	260
9/18/2019		100		95			
3/17/2020							
3/18/2020							
3/23/2020							250
3/24/2020		100	190	71			
3/25/2020							
3/26/2020						1000	
3/27/2020	81				190		
9/14/2020	89						
9/15/2020		110	190	72	190	860	250
3/30/2021						960	270
3/31/2021		120		75	200		
4/1/2021			210				
4/6/2021							
4/7/2021	96						
8/17/2021							
8/18/2021		110	200	66		940	
8/19/2021	82				200		280
8/20/2021							
2/9/2022							
2/10/2022		100		73		890	
2/11/2022	94		190		200		260
2/14/2022							
8/17/2022							
8/18/2022	95						
8/19/2022					180		
8/22/2022		110		61			260
8/23/2022						910	
8/31/2022			220				
2/21/2023							
2/22/2023			230			790	260
2/23/2023	96	120		64	190		
8/1/2023							
8/2/2023	100						
8/7/2023		110	240		190	760	260
8/8/2023				55			
2/20/2024							310
2/21/2024		110		64			
2/23/2024	110						
2/26/2024			270		210		
2/27/2024						870	
7/31/2024							
8/1/2024	120				240		26
8/2/2024		93		45			
8/5/2024			290			870	
2/19/2025	170		340				
2/20/2025		88			210		
2/21/2025				52		850	270

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
5/10/2016	44	100	110	64	59	96			
5/11/2016							80	68	527
5/12/2016									
5/13/2016									
6/23/2016	38		118	58		91			
6/24/2016					39				
6/27/2016		117							
6/28/2016							134	41	
6/29/2016									562
6/30/2016									
8/16/2016	22		110	52	38	100			
8/17/2016		86					42	70	
8/18/2016									
8/19/2016									
8/22/2016									500
10/13/2016	66		120						
10/14/2016		80		58	34	100			
10/17/2016							24	6	
10/18/2016									490
10/19/2016									
12/5/2016			110						
12/6/2016	54	110		72	70	110	70	40	
12/7/2016									510
12/8/2016									
2/14/2017	18	98	86	52	32	76			
2/15/2017							34	18	
2/16/2017									520
4/10/2017			120						
4/11/2017	50	110		78	64	120			
4/12/2017							36	18	
4/13/2017									590
6/26/2017	60		130	80	64	110			
6/27/2017		18					8	50	550
6/28/2017									
10/10/2017	36		110			100			
10/11/2017		94		64	42		56		
10/12/2017								46	560
6/5/2018	8	80	76	50		74			
6/6/2018					46		40	38	590
6/7/2018									
6/8/2018									
10/16/2018							100		
10/18/2018									
12/13/2018	16	4 (J)	100	58	4 (J)	110			
12/14/2018									
12/17/2018								38	510
1/2/2019									
3/28/2019		79		58	43				
3/29/2019	<10		110			72			
4/1/2019							33	82	580
4/2/2019									
9/12/2019				22					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWA-1 (bg)	SGWA-25 (bg)	SGWA-24 (bg)	SGWA-5 (bg)	SGWA-3 (bg)	SGWA-2 (bg)	SGWC-11	SGWC-10	SGWC-9
9/13/2019			200						
9/16/2019	17	42			19	91	<10		550
9/17/2019								17	
9/18/2019									
3/17/2020		98		30	52	100			
3/18/2020	25		110						
3/23/2020									
3/24/2020									
3/25/2020							38	59	540
3/26/2020									
3/27/2020									
9/14/2020	20	71	95	36	55	93	39	45	470
9/15/2020									
3/30/2021	32		110			110			
3/31/2021				35	57			64	430
4/1/2021									
4/6/2021									
4/7/2021		95					40		
8/17/2021	27	97				110			
8/18/2021			120	53	66				
8/19/2021							36	54	380
8/20/2021									
2/9/2022	45	93		60	54	100			
2/10/2022			130				39		410
2/11/2022								44	
2/14/2022									
8/17/2022	82					130			
8/18/2022		88	170	94	64		54		470
8/19/2022								63	
8/22/2022									
8/23/2022									
11/16/2022									
2/21/2023	41			65	55				
2/22/2023						100	41	56	430
2/23/2023		90	130						
8/1/2023	61			80		110			
8/2/2023							52		
8/7/2023					59			60	430
8/8/2023		91	130						
2/20/2024	45					100			
2/21/2024			140	78	54				380
2/23/2024							55	52	
2/26/2024									
2/27/2024		96							
7/31/2024	47	90	130	80	59	110			
8/1/2024							69		360
8/2/2024									
8/5/2024								86	
2/19/2025		92	130					93	310
2/20/2025	48			74	51	100	90		
2/21/2025									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
5/10/2016									
5/11/2016	330	222	104	91	195				
5/12/2016						260	386	309	46
5/13/2016									
6/23/2016									
6/24/2016				78					
6/27/2016	423	275	112						
6/28/2016					200			333	60
6/29/2016						311	436		
6/30/2016									
8/16/2016									
8/17/2016	410	220	86	100					
8/18/2016					200			320	48
8/19/2016									
8/22/2016						390	290		
10/13/2016									
10/14/2016									
10/17/2016	370		60	58	160			320	
10/18/2016		210				300	200		60
10/19/2016									
12/5/2016									
12/6/2016	420	250	90	98	220				
12/7/2016						310		340	64
12/8/2016							370		
2/14/2017	370	210	54	78					
2/15/2017					200			340	
2/16/2017						310	350		40
4/10/2017									
4/11/2017				110					
4/12/2017	370	200	64		180			300	
4/13/2017						300	380		76
6/26/2017				110					
6/27/2017	380	180	40		200			320	50
6/28/2017						290	320		
10/10/2017									
10/11/2017		210	82	120	190			340	
10/12/2017	400					290	350		68
6/5/2018									
6/6/2018	410	210	100	120	260				
6/7/2018						260	320	340	74
6/8/2018									
10/16/2018									
10/18/2018							370		
12/13/2018				94					
12/14/2018	390	170	44		190			280	
12/17/2018						310			42
1/2/2019									
3/28/2019				110					
3/29/2019									
4/1/2019	370	200			200			330	
4/2/2019			91			300	370		73
9/12/2019									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-8	SGWC-7	SGWC-6	SGWA-4 (bg)	SGWC-12	SGWC-21	SGWC-20	SGWC-14	SGWC-16
9/13/2019									
9/16/2019			76	57	200				
9/17/2019	380	140				290	320	310	59
9/18/2019									
3/17/2020									
3/18/2020				140					
3/23/2020						330	330		
3/24/2020									
3/25/2020	360		94						
3/26/2020		180			200				
3/27/2020								330	99
9/14/2020	360	200	99	110	190				
9/15/2020						390	350	360	90
3/30/2021						380	350		
3/31/2021				120					
4/1/2021	360	200	83						88
4/6/2021								320	
4/7/2021					210				
8/17/2021				130					
8/18/2021	410	210	140			380			
8/19/2021							340	370	100
8/20/2021					220				
2/9/2022		170	130	110					
2/10/2022	400				210				100
2/11/2022						350	350		
2/14/2022								360	
8/17/2022									
8/18/2022	420	200		140	230				
8/19/2022			150					370	
8/22/2022						380	370		
8/23/2022									
11/16/2022									110
2/21/2023									
2/22/2023	350	170	120	120			350		
2/23/2023					220	350		390	130
8/1/2023			100						
8/2/2023									
8/7/2023				130	210		350		
8/8/2023	360	170				360		360	130
2/20/2024			120	130					
2/21/2024	320	160							
2/23/2024					170				
2/26/2024							380		140
2/27/2024						360		330	
7/31/2024		170		130					
8/1/2024	300		130		220			340	150
8/2/2024						380	360		
8/5/2024									
2/19/2025	330	160		120	220			350	150
2/20/2025			130			380	390		
2/21/2025									

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
5/10/2016							
5/11/2016							
5/12/2016	190	212	261	288	298		
5/13/2016						728	366
6/23/2016							
6/24/2016							
6/27/2016							
6/28/2016	198				337		
6/29/2016		214	323	272			370
6/30/2016						742	
8/16/2016							
8/17/2016							
8/18/2016	180		310		310		
8/19/2016		230		290			
8/22/2016						670	350
10/13/2016							
10/14/2016							
10/17/2016	140						
10/18/2016		190		270	320		340
10/19/2016			330 (D)			700	
12/5/2016							
12/6/2016	110						
12/7/2016		230	370	300	270	720	
12/8/2016							350
2/14/2017							
2/15/2017	160		350	260	310		
2/16/2017		200				600	340
4/10/2017							
4/11/2017							
4/12/2017	140				280		
4/13/2017		220	390	300		640	350
6/26/2017							
6/27/2017	170		350		290		
6/28/2017		190		250		540	340
10/10/2017							
10/11/2017	170						
10/12/2017		230	380	280	330	640	370
6/5/2018							
6/6/2018							
6/7/2018	190	210	360	220	310		
6/8/2018						820	320
10/16/2018					350		
10/18/2018						1200	
12/13/2018							
12/14/2018	140		390				
12/17/2018		260		30			250
1/2/2019						1600	
3/28/2019							
3/29/2019							
4/1/2019	190				330		
4/2/2019		240	400	250		1700	420
9/12/2019							

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 4/17/2025 11:19 AM View: Appendix III Interwell

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-22	SGWC-17	SGWC-23	SGWC-15	SGWC-18	SGWC-19
9/13/2019							
9/16/2019							
9/17/2019	170		380		320	1600	400
9/18/2019		470		490			
3/17/2020							
3/18/2020							
3/23/2020							390
3/24/2020		250	430	210			
3/25/2020							
3/26/2020						1600	
3/27/2020	200				330		
9/14/2020	190						
9/15/2020		250	440	210	340	1500	450
3/30/2021						1500	420
3/31/2021		240		220	300		
4/1/2021			410				
4/6/2021							
4/7/2021	200						
8/17/2021							
8/18/2021		260	450	210		1400	
8/19/2021	210				320		440
8/20/2021							
2/9/2022							
2/10/2022		250		230		1400	
2/11/2022	200		440		310		440
2/14/2022							
8/17/2022							
8/18/2022	240						
8/19/2022					320		
8/22/2022		3400		220			450
8/23/2022						1300	
11/16/2022			430				
2/21/2023							
2/22/2023			470			1200	440
2/23/2023	230	260		210	300		
8/1/2023							
8/2/2023	220						
8/7/2023		300	470		360	1200	420
8/8/2023				210			
2/20/2024							420
2/21/2024		1000		230			
2/23/2024	220						
2/26/2024			490		320		
2/27/2024						1200	
7/31/2024							
8/1/2024	240				320		410
8/2/2024		220		190			
8/5/2024			520			1200	
2/19/2025	280		520				
2/20/2025		210			320		
2/21/2025				190		1100	420

FIGURE F.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:59 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	SGWC-10	0.02525	199	105	Yes	24	8.333	n/a	0.01	NP
Boron (mg/L)	SGWC-11	0.05585	245	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-16	0.02666	161	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-18	0.408	196	111	Yes	25	0	n/a	0.01	NP
Boron (mg/L)	SGWC-20	-0.04741	-112	-105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-22	0.01961	145	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-23	-0.02692	-146	-105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-2 (bg)	0.2691	165	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-3 (bg)	0.1577	118	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-4 (bg)	0.6836	188	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-5 (bg)	0.05152	128	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWA-24 (bg)	0.6716	205	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-9	-2.195	-143	-105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-13	1.059	216	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-17	3.768	238	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-19	1.055	144	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-21	1.553	167	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-22	0.8824	159	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-3 (bg)	-0.102	-115	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-24 (bg)	0.1828	146	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-7	-0.3605	-177	-105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-9	1.22	191	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-11	0.3582	141	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-12	0.175	171	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-13	1.183	228	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-14	0.4032	123	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-15	0.2885	159	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-16	0.314	184	105	Yes	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-18	1.326	148	111	Yes	25	4	n/a	0.01	NP
Chloride (mg/L)	SGWC-23	0.2906	115	105	Yes	24	0	n/a	0.01	NP
pH, Field (SU)	SGWA-3 (bg)	0.01976	148	139	Yes	29	0	n/a	0.01	NP
pH, Field (SU)	SGWA-4 (bg)	-0.01901	-171	-139	Yes	29	0	n/a	0.01	NP
pH, Field (SU)	SGWC-18	0.02047	160	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	SGWA-3 (bg)	-0.128	-144	-105	Yes	24	4.167	n/a	0.01	NP
Sulfate (mg/L)	SGWA-4 (bg)	-0.1188	-146	-105	Yes	24	8.333	n/a	0.01	NP
Sulfate (mg/L)	SGWC-7	-1.767	-187	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-9	-16.63	-137	-105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-12	4.6	212	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-13	4.003	171	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-16	6.484	270	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-17	16.04	248	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-19	7.411	129	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-21	6.509	162	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-22	4	152	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-23	-9.483	-227	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-4 (bg)	4.811	142	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-9	-20.64	-144	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-13	10.2	171	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-17	21.73	235	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-19	10.51	117	105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-22	8.746	117	105	Yes	24	0	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:59 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	SGWA-1 (bg)	0	-44	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	SGWA-2 (bg)	0	-46	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	SGWA-3 (bg)	0	-12	-105	No	24	83.33	n/a	0.01	NP
Boron (mg/L)	SGWA-4 (bg)	0	-1	-105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	SGWA-5 (bg)	0	-41	-105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	SGWA-24 (bg)	0	7	105	No	24	91.67	n/a	0.01	NP
Boron (mg/L)	SGWA-25 (bg)	0	18	105	No	24	87.5	n/a	0.01	NP
Boron (mg/L)	SGWC-9	-0.004047	-49	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-10**	**0.02525**	**199**	**105**	**Yes**	**24**	**8.333**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**SGWC-11**	**0.05585**	**245**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-13	0.02031	77	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-14	0.02217	102	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	SGWC-15	-0.02473	-74	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-16**	**0.02666**	**161**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-17	0	6	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-18**	**0.408**	**196**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-19	0.01622	62	105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-20**	**-0.04741**	**-112**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	SGWC-21	-0.01642	-85	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**SGWC-22**	**0.01961**	**145**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**SGWC-23**	**-0.02692**	**-146**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWA-1 (bg)	-0.03201	-47	-105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWA-2 (bg)**	**0.2691**	**165**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-3 (bg)**	**0.1577**	**118**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-4 (bg)**	**0.6836**	**188**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-5 (bg)**	**0.05152**	**128**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWA-24 (bg)**	**0.6716**	**205**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWA-25 (bg)	-0.06868	-49	-105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	SGWC-8	-0.3636	-31	-105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-9**	**-2.195**	**-143**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWC-12	0.234	80	105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-13**	**1.059**	**216**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWC-14	0.169	42	105	No	24	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-17**	**3.768**	**238**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	SGWC-18	-1.435	-55	-111	No	25	0	n/a	0.01	NP
Calcium (mg/L)	**SGWC-19**	**1.055**	**144**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWC-21**	**1.553**	**167**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**SGWC-22**	**0.8824**	**159**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWA-1 (bg)	0	22	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-2 (bg)	0	11	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWA-3 (bg)**	**-0.102**	**-115**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWA-4 (bg)	0	-1	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWA-5 (bg)	0.02482	65	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWA-24 (bg)**	**0.1828**	**146**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWA-25 (bg)	0	-10	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-7**	**-0.3605**	**-177**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-8	0.4393	79	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-9**	**1.22**	**191**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-10	0.05862	59	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-11**	**0.3582**	**141**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-12**	**0.175**	**171**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-13**	**1.183**	**228**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-14**	**0.4032**	**123**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-15**	**0.2885**	**159**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**SGWC-16**	**0.314**	**184**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-17	0	-13	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-18**	**1.326**	**148**	**111**	**Yes**	**25**	**4**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	SGWC-19	0.2838	85	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-20	-0.1353	-87	-105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-21	0.2523	68	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	SGWC-22	0.08106	104	105	No	24	0	n/a	0.01	NP
Chloride (mg/L)	**SGWC-23**	**0.2906**	**115**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

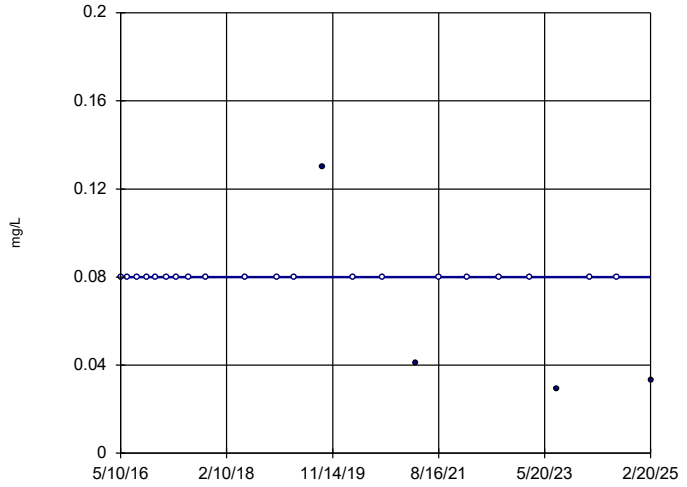
Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 11:59 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Fluoride (mg/L)	SGWA-1 (bg)	0	-64	-131	No	28	85.71	n/a	0.01	NP
Fluoride (mg/L)	SGWA-2 (bg)	0	-51	-131	No	28	42.86	n/a	0.01	NP
Fluoride (mg/L)	SGWA-3 (bg)	0	8	131	No	28	67.86	n/a	0.01	NP
Fluoride (mg/L)	SGWA-4 (bg)	-0.003296	-80	-124	No	27	40.74	n/a	0.01	NP
Fluoride (mg/L)	SGWA-5 (bg)	0	-37	-131	No	28	78.57	n/a	0.01	NP
Fluoride (mg/L)	SGWA-24 (bg)	-0.0003025	-69	-131	No	28	42.86	n/a	0.01	NP
Fluoride (mg/L)	SGWA-25 (bg)	0	-21	-131	No	28	46.43	n/a	0.01	NP
Fluoride (mg/L)	SGWC-7	-0.005789	-76	-131	No	28	3.571	n/a	0.01	NP
pH, Field (SU)	SGWA-1 (bg)	-0.01736	-88	-139	No	29	0	n/a	0.01	NP
pH, Field (SU)	SGWA-2 (bg)	0.0054	61	139	No	29	0	n/a	0.01	NP
pH, Field (SU)	**SGWA-3 (bg)**	**0.01976**	**148**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**SGWA-4 (bg)**	**-0.01901**	**-171**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	SGWA-5 (bg)	-0.008975	-73	-146	No	30	0	n/a	0.01	NP
pH, Field (SU)	SGWA-24 (bg)	0.002555	32	139	No	29	0	n/a	0.01	NP
pH, Field (SU)	SGWA-25 (bg)	-0.01139	-86	-146	No	30	0	n/a	0.01	NP
pH, Field (SU)	SGWC-15	-0.01023	-106	-139	No	29	0	n/a	0.01	NP
pH, Field (SU)	**SGWC-18**	**0.02047**	**160**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	SGWC-20	-0.004976	-57	-139	No	29	0	n/a	0.01	NP
Sulfate (mg/L)	SGWA-1 (bg)	-0.02284	-52	-105	No	24	20.83	n/a	0.01	NP
Sulfate (mg/L)	SGWA-2 (bg)	0	6	105	No	24	54.17	n/a	0.01	NP
Sulfate (mg/L)	**SGWA-3 (bg)**	**-0.128**	**-144**	**-105**	**Yes**	**24**	**4.167**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWA-4 (bg)**	**-0.1188**	**-146**	**-105**	**Yes**	**24**	**8.333**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWA-5 (bg)	0	54	105	No	24	83.33	n/a	0.01	NP
Sulfate (mg/L)	SGWA-24 (bg)	0	32	105	No	24	83.33	n/a	0.01	NP
Sulfate (mg/L)	SGWA-25 (bg)	0	30	105	No	24	79.17	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-7**	**-1.767**	**-187**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-8	0	-7	-105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-9**	**-16.63**	**-137**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-10	0.822	55	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-11	-0.09154	-33	-105	No	24	12.5	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-12**	**4.6**	**212**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-13**	**4.003**	**171**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-14	2.541	89	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	SGWC-15	0	51	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-16**	**6.484**	**270**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-17**	**16.04**	**248**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-18	45.63	62	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-19**	**7.411**	**129**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	SGWC-20	0	6	105	No	24	0	n/a	0.01	NP
Sulfate (mg/L)	**SGWC-21**	**6.509**	**162**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-22**	**4**	**152**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**SGWC-23**	**-9.483**	**-227**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWA-1 (bg)	1.413	39	105	No	24	4.167	n/a	0.01	NP
TDS (mg/L)	SGWA-2 (bg)	0.2276	50	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-3 (bg)	1.563	48	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWA-4 (bg)**	**4.811**	**142**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWA-5 (bg)	1.28	48	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-24 (bg)	2.602	95	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWA-25 (bg)	-0.7464	-36	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-8	-5.894	-95	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-9**	**-20.64**	**-144**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-12	2.575	85	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-13**	**10.2**	**171**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-14	4.547	103	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-15	1.456	49	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-17**	**21.73**	**235**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-18	66.6	68	111	No	25	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-19**	**10.51**	**117**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	SGWC-20	1.306	35	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	SGWC-21	9.566	103	105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**SGWC-22**	**8.746**	**117**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -44
critical = -105

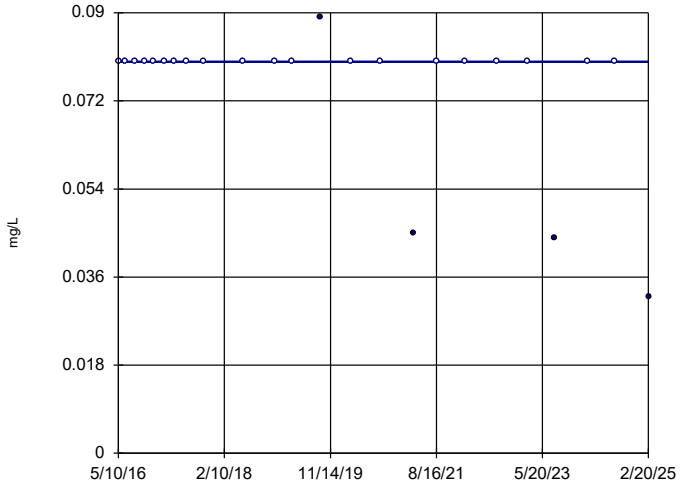
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
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Sen's Slope Estimator

SGWA-2 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -46
critical = -105

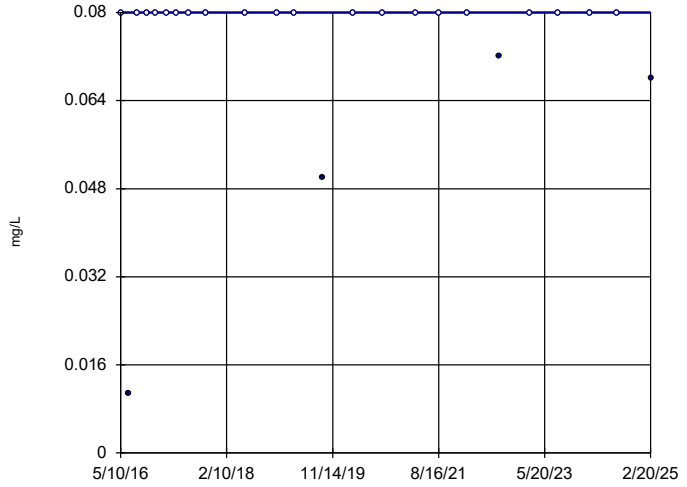
Trend not significant at 99% confidence level (α = 0.005 per tail).

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Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -105

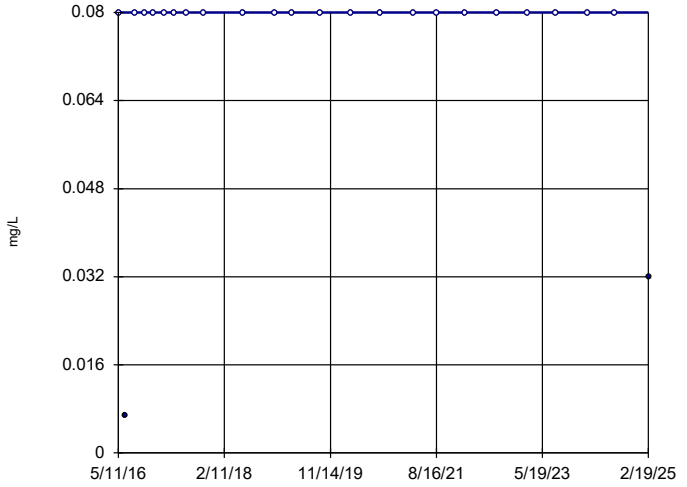
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
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Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -105

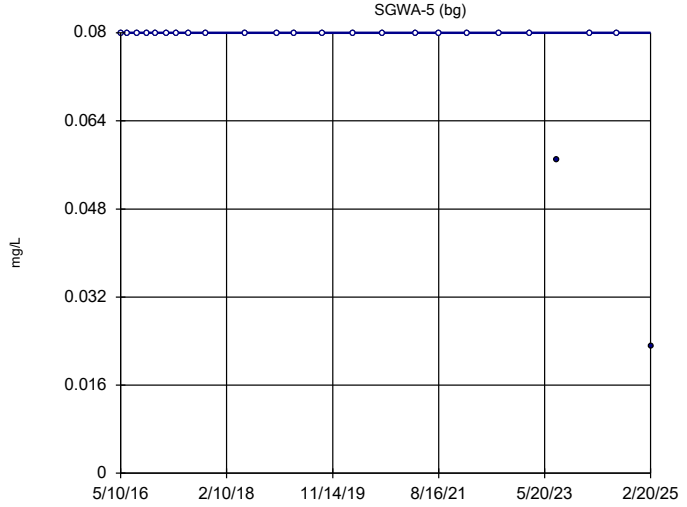
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -41
critical = -105

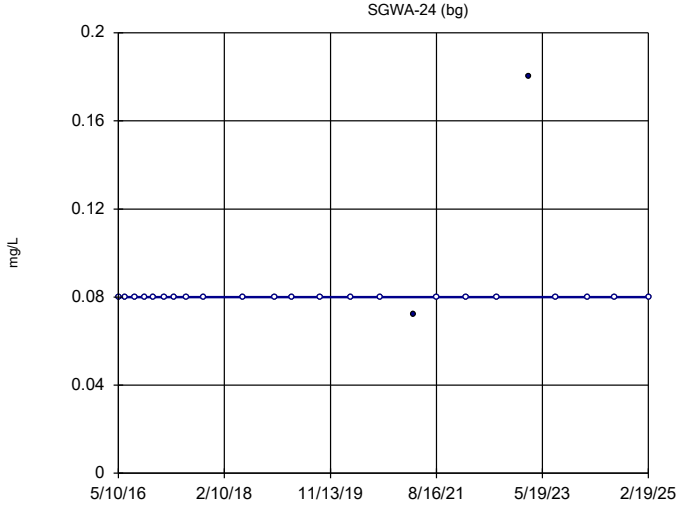
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 105

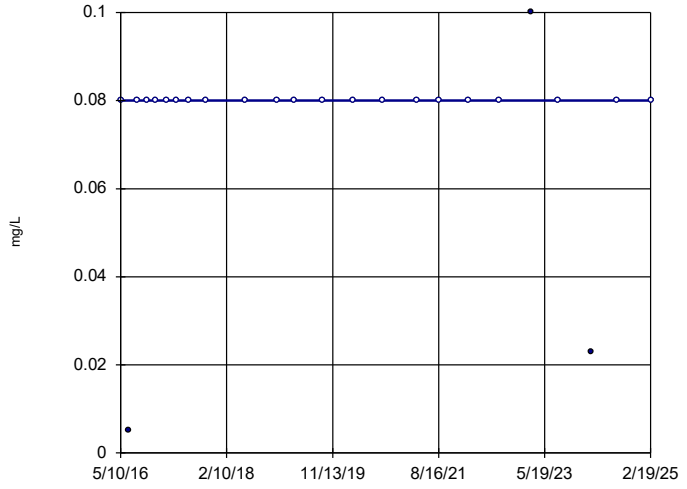
Trend not significant at 99% confidence level (α = 0.005 per tail).

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Sen's Slope Estimator

SGWA-25 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 105

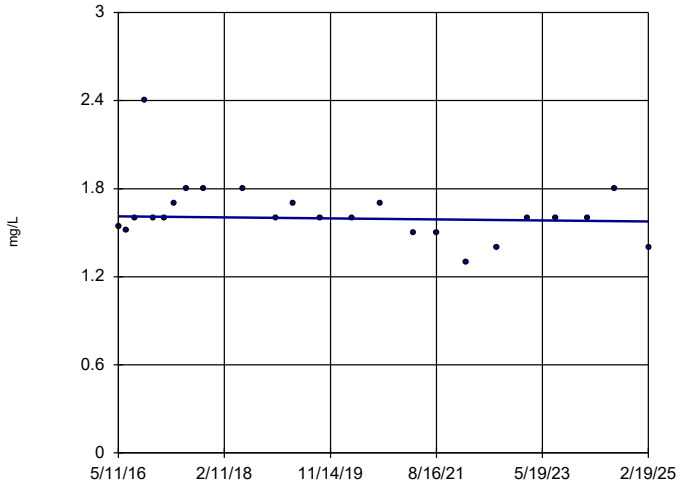
Trend not significant at 99% confidence level (α = 0.005 per tail).

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Sen's Slope Estimator

SGWC-9



n = 24

Slope = -0.004047 units per year.

Mann-Kendall statistic = -49
critical = -105

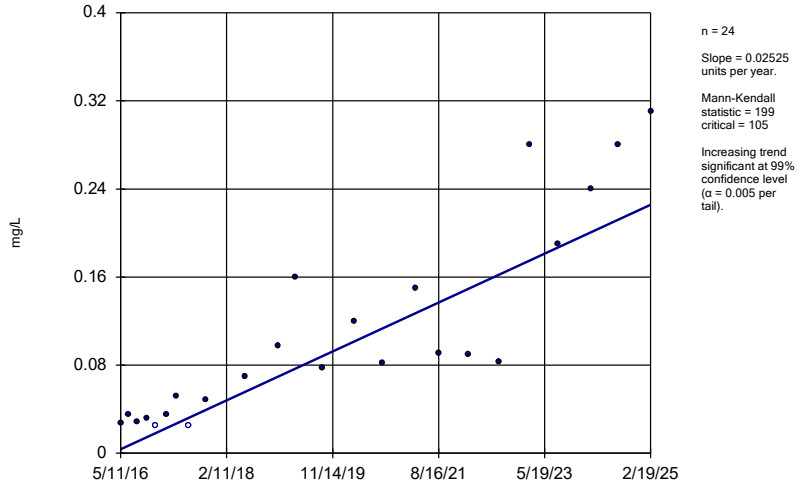
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-10



n = 24

Slope = 0.02525 units per year.

Mann-Kendall statistic = 199 critical = 105

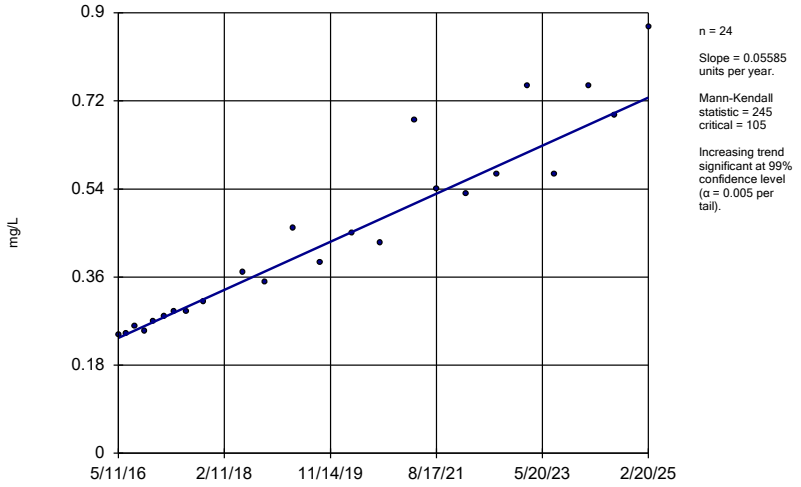
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-11



n = 24

Slope = 0.05585 units per year.

Mann-Kendall statistic = 245 critical = 105

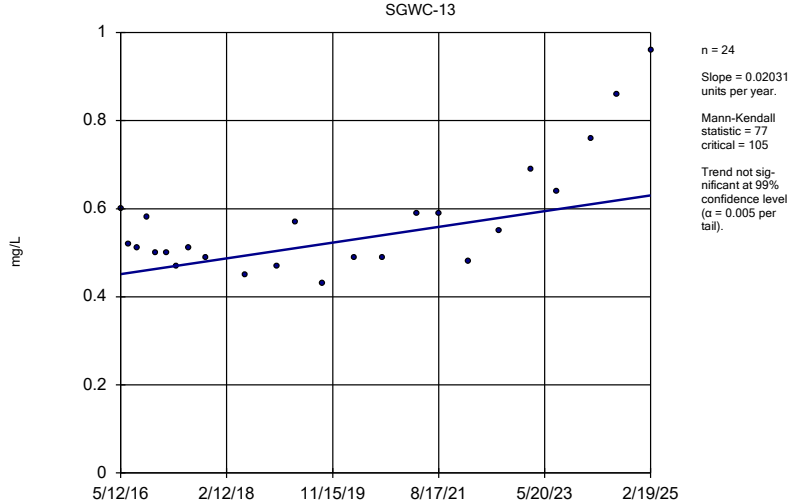
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-13



n = 24

Slope = 0.02031 units per year.

Mann-Kendall statistic = 77 critical = 105

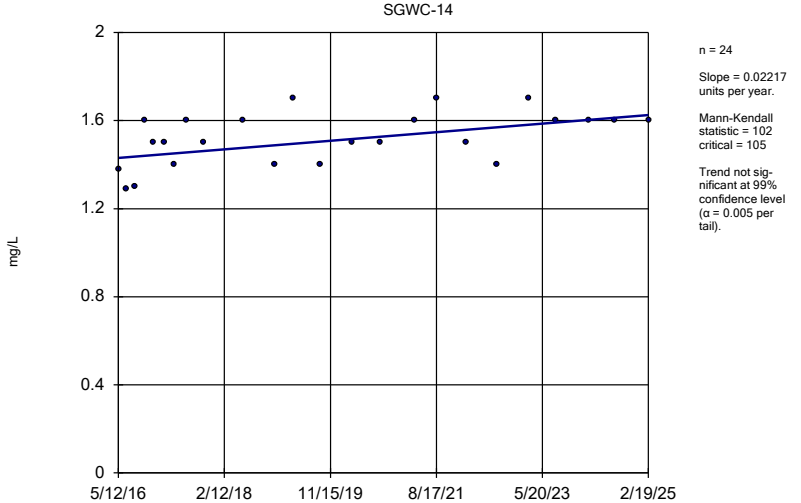
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-14



n = 24

Slope = 0.02217 units per year.

Mann-Kendall statistic = 102 critical = 105

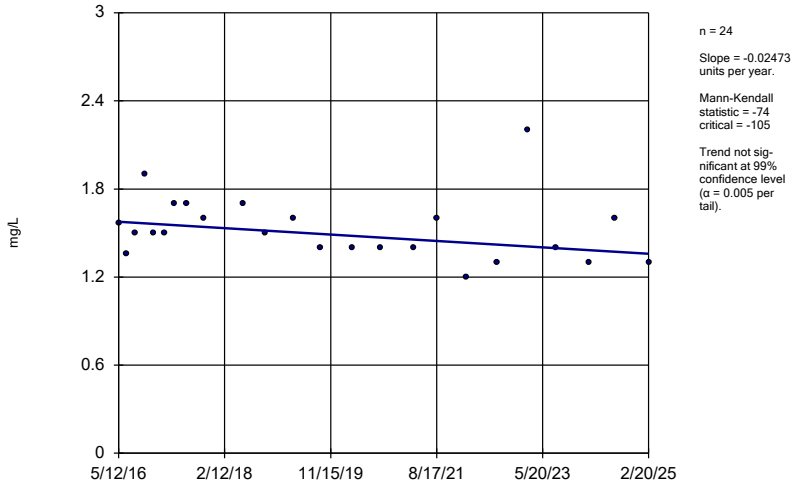
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-15



n = 24

Slope = -0.02473 units per year.

Mann-Kendall statistic = -74
critical = -105

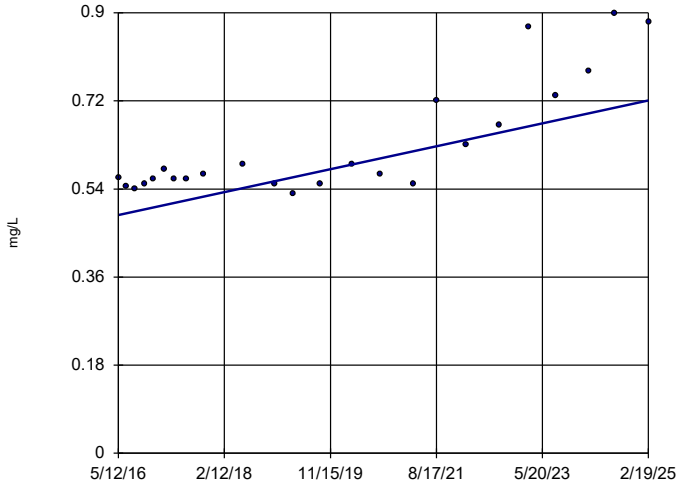
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-16



n = 24

Slope = 0.02666 units per year.

Mann-Kendall statistic = 161
critical = 105

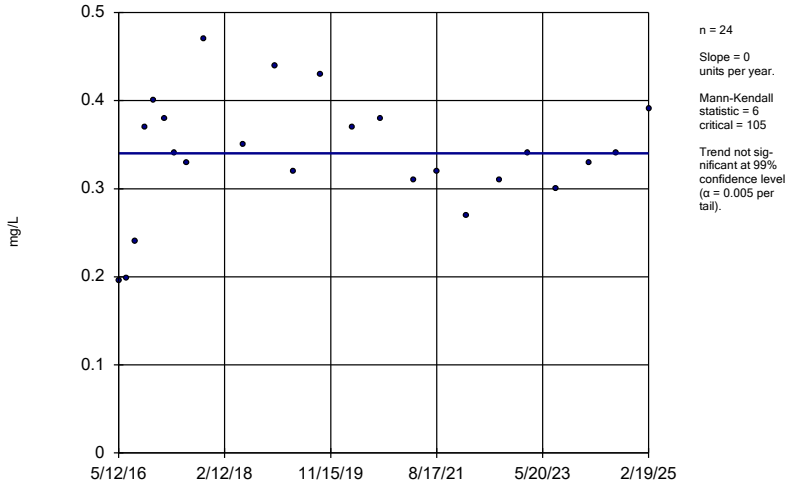
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-17



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 105

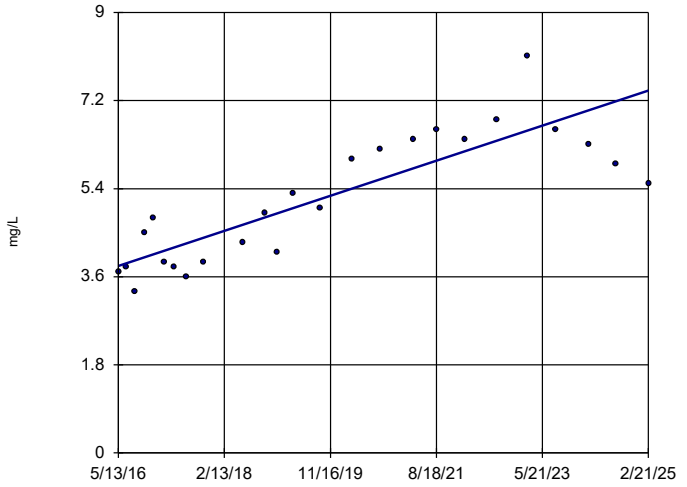
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-18



n = 25

Slope = 0.408 units per year.

Mann-Kendall statistic = 196
critical = 111

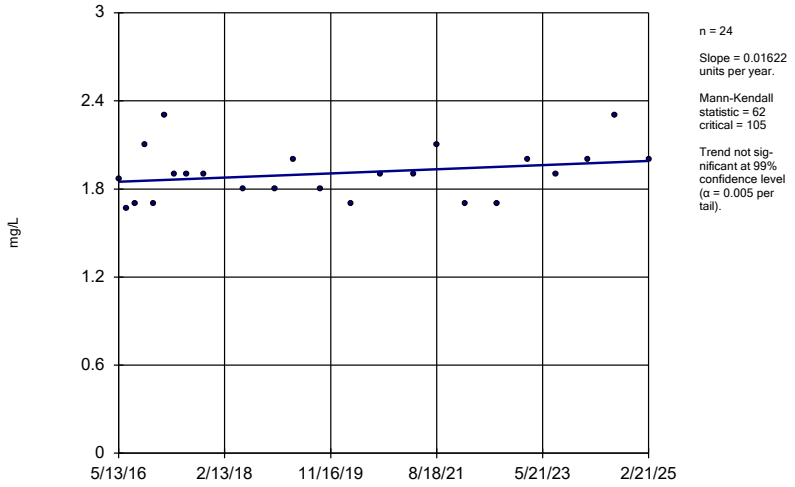
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-19



n = 24

Slope = 0.01622 units per year.

Mann-Kendall statistic = 62 critical = 105

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

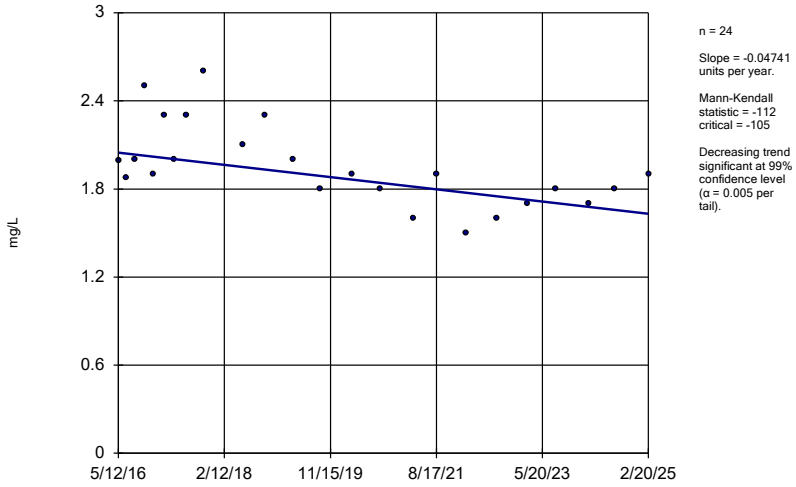
Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-20



n = 24

Slope = -0.04741 units per year.

Mann-Kendall statistic = -112 critical = -105

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

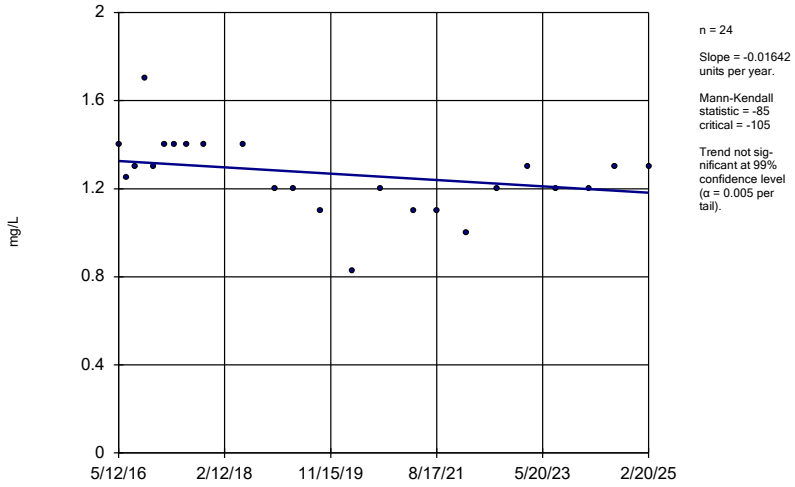
Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-21



n = 24

Slope = -0.01642 units per year.

Mann-Kendall statistic = -85 critical = -105

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

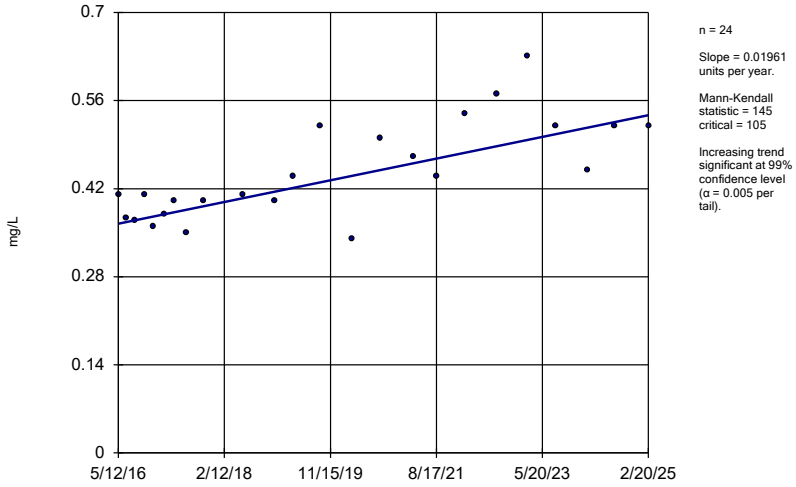
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-22



n = 24

Slope = 0.01961 units per year.

Mann-Kendall statistic = 145 critical = 105

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

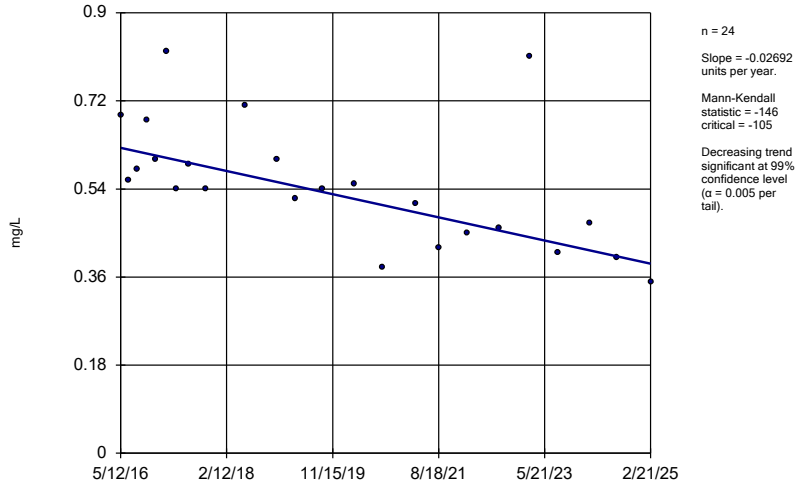
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-23



n = 24

Slope = -0.02692 units per year.

Mann-Kendall statistic = -146 critical = -105

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

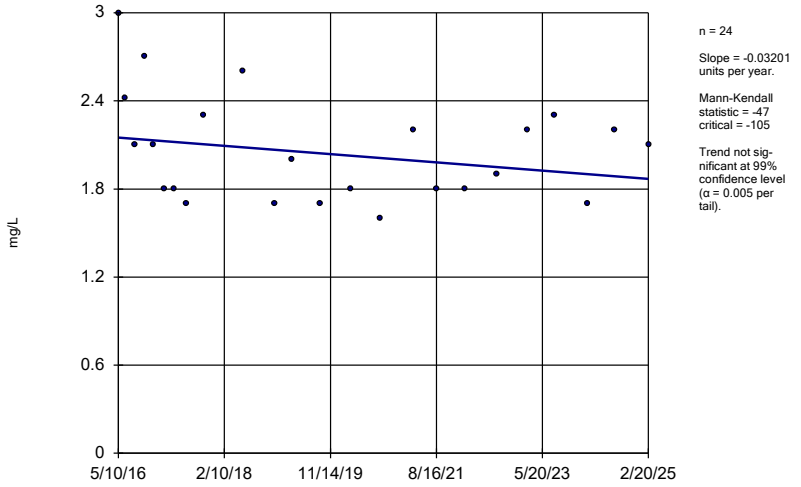
Constituent: Boron Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-1 (bg)



n = 24

Slope = -0.03201 units per year.

Mann-Kendall statistic = -47 critical = -105

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

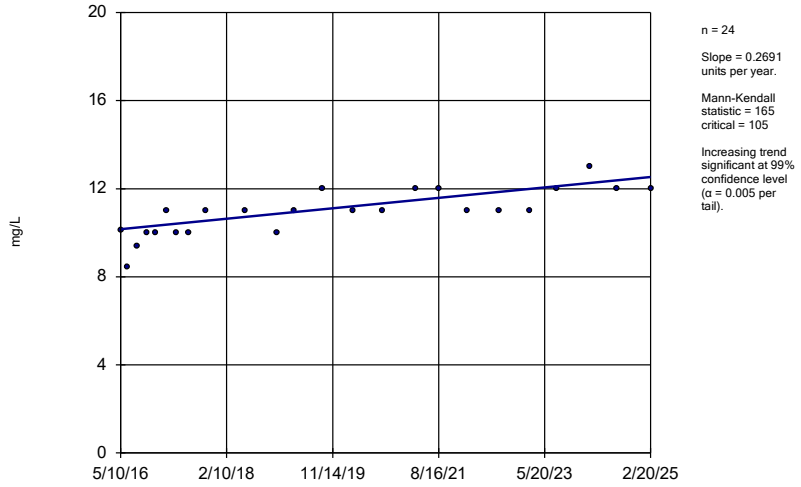
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-2 (bg)



n = 24

Slope = 0.2691 units per year.

Mann-Kendall statistic = 165 critical = 105

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

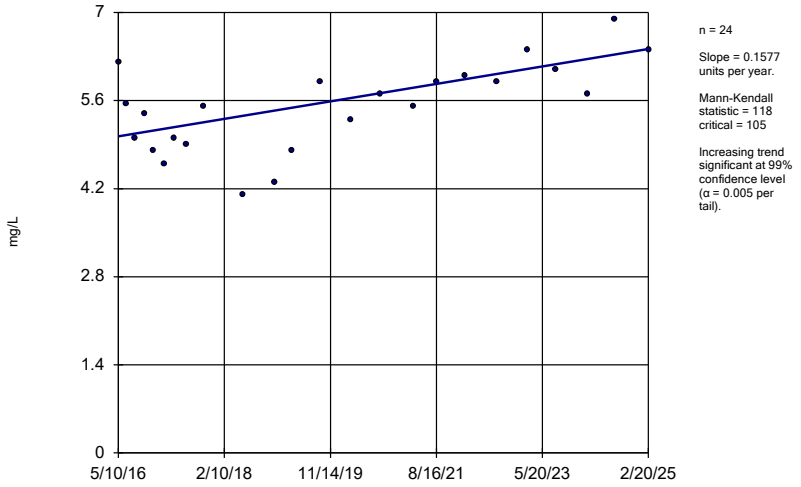
Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = 0.1577 units per year.

Mann-Kendall statistic = 118 critical = 105

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

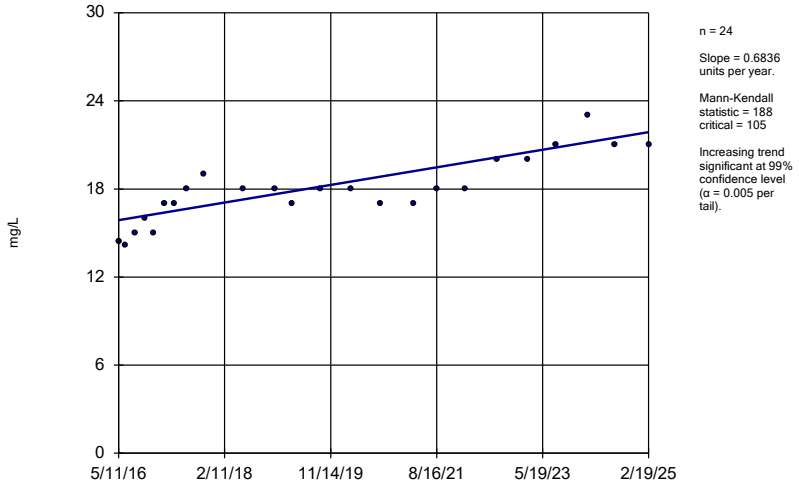
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = 0.6836 units per year.

Mann-Kendall statistic = 188 critical = 105

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

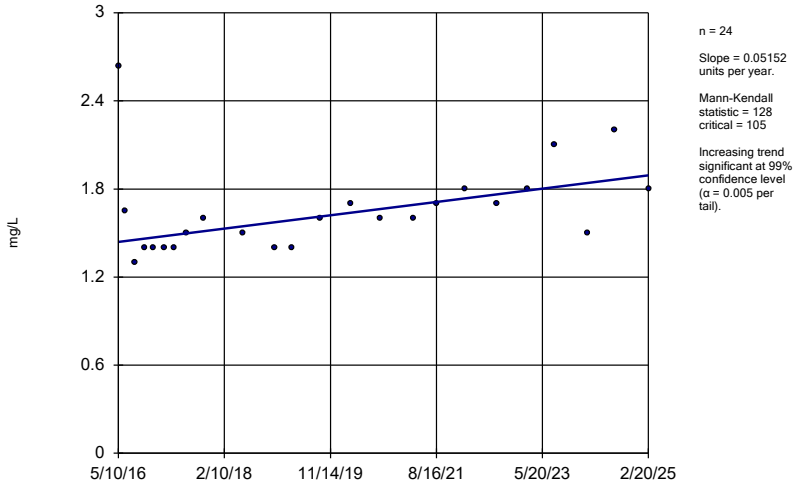
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-5 (bg)



n = 24

Slope = 0.05152 units per year.

Mann-Kendall statistic = 128 critical = 105

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

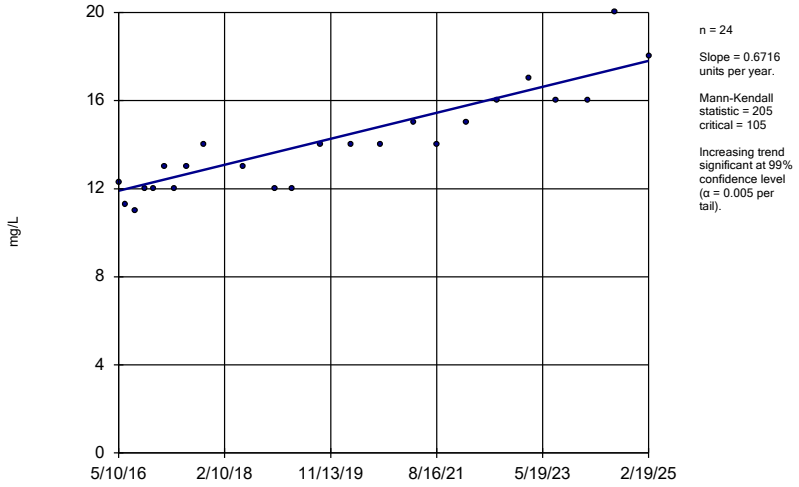
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 24

Slope = 0.6716 units per year.

Mann-Kendall statistic = 205 critical = 105

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

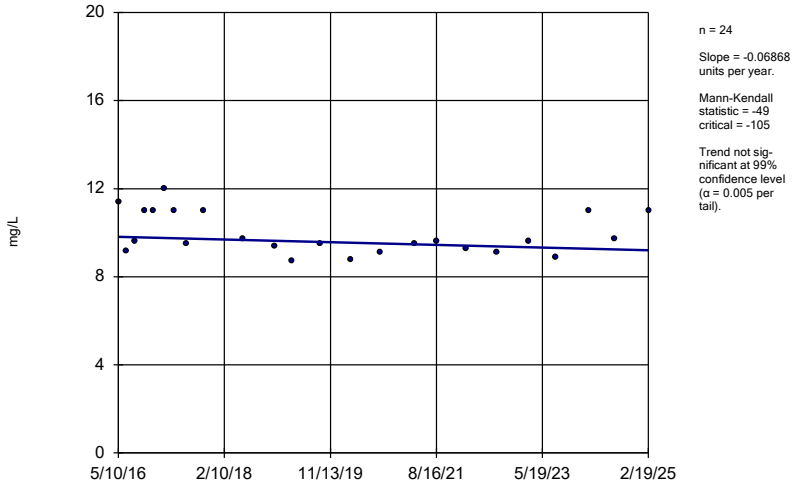
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-25 (bg)



n = 24

Slope = -0.06868 units per year.

Mann-Kendall statistic = -49 critical = -105

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

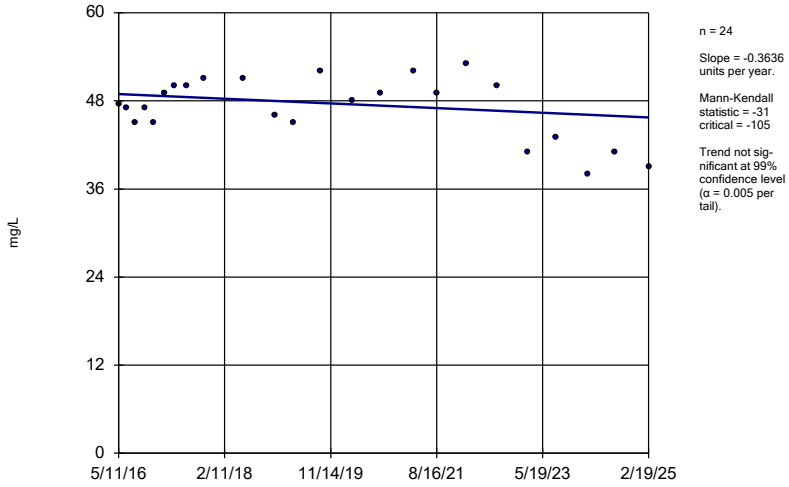
Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-8



n = 24

Slope = -0.3636 units per year.

Mann-Kendall statistic = -31
critical = -105

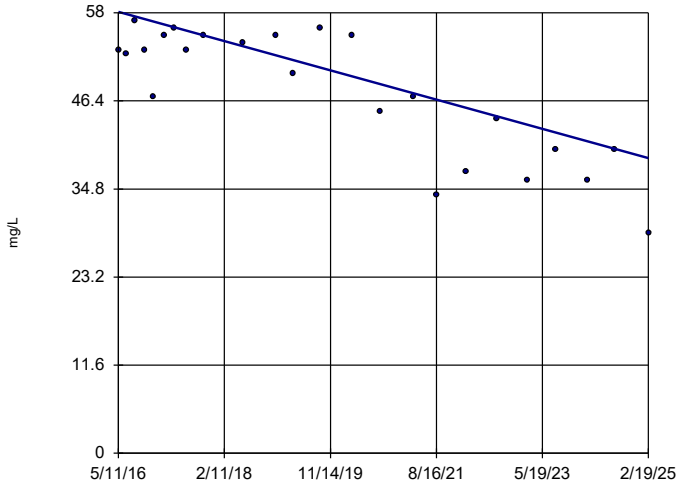
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-9



n = 24

Slope = -2.195 units per year.

Mann-Kendall statistic = -143
critical = -105

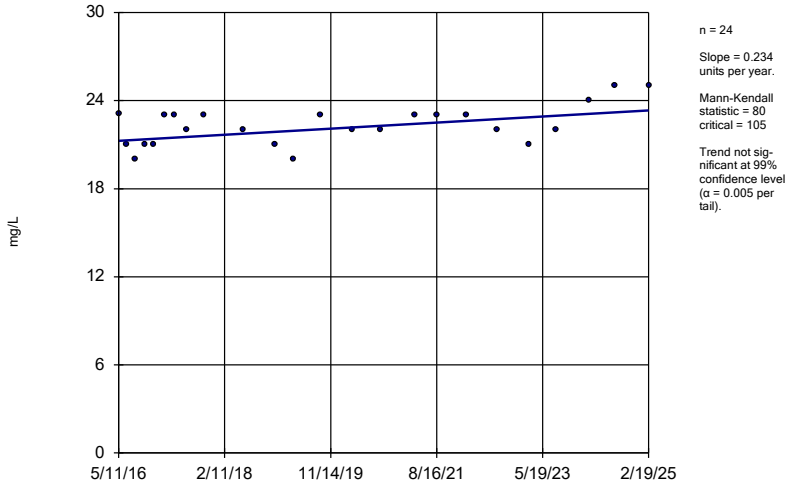
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-12



n = 24

Slope = 0.234 units per year.

Mann-Kendall statistic = 80
critical = 105

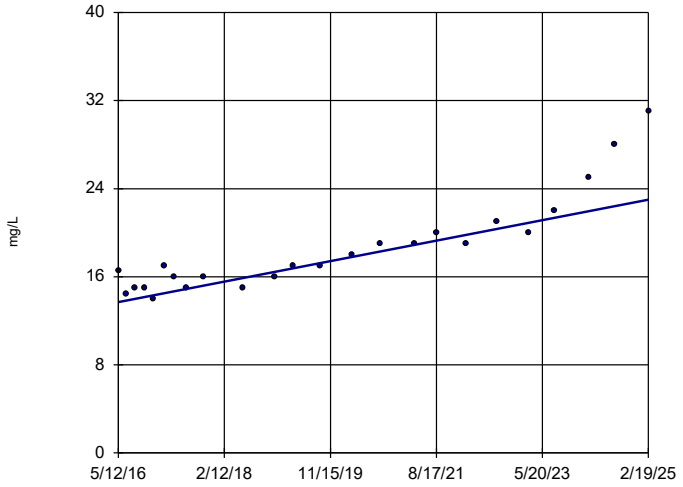
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-13



n = 24

Slope = 1.059 units per year.

Mann-Kendall statistic = 216
critical = 105

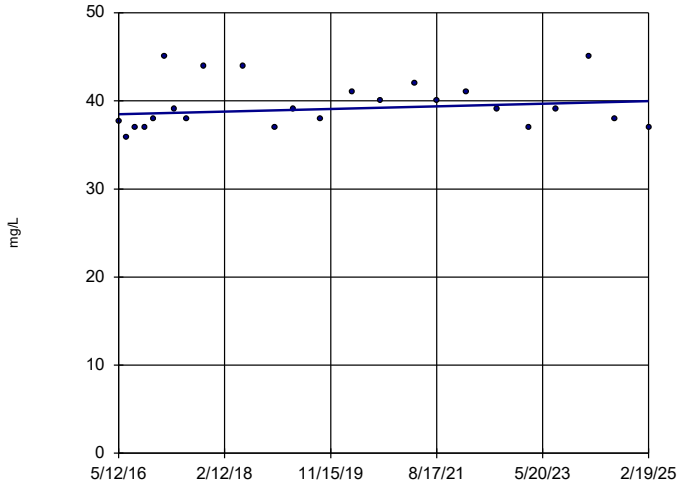
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-14



n = 24

Slope = 0.169 units per year.

Mann-Kendall statistic = 42 critical = 105

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

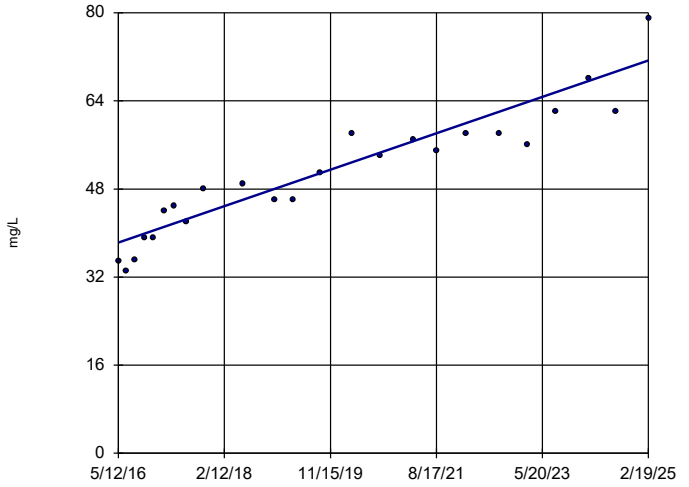
Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-17



n = 24

Slope = 3.768 units per year.

Mann-Kendall statistic = 238 critical = 105

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

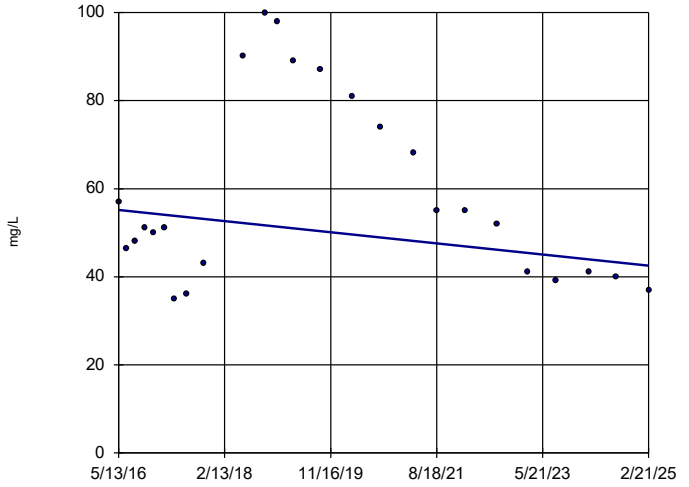
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-18



n = 25

Slope = -1.435 units per year.

Mann-Kendall statistic = -55 critical = -111

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

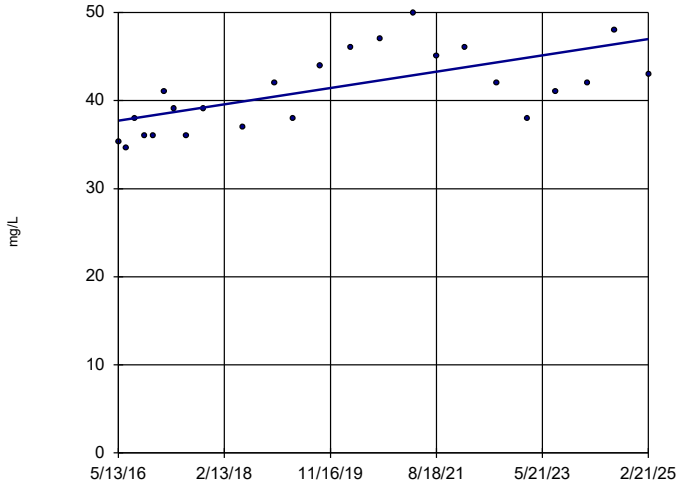
Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-19



n = 24

Slope = 1.055 units per year.

Mann-Kendall statistic = 144 critical = 105

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

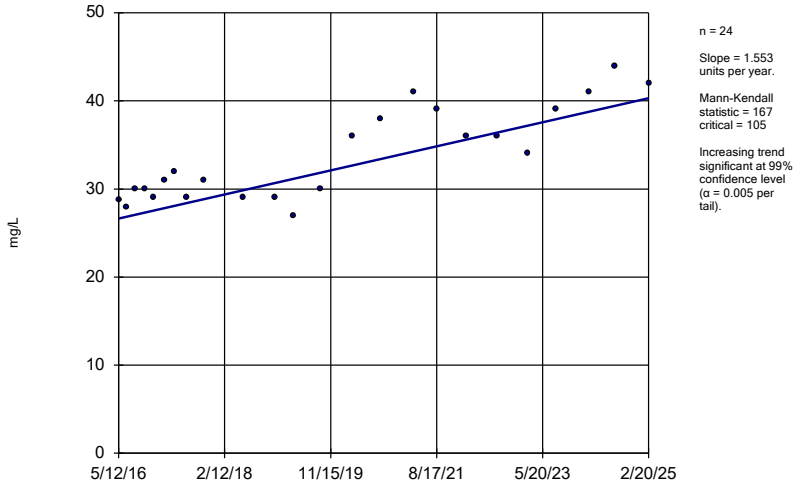
Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-21



n = 24

Slope = 1.553 units per year.

Mann-Kendall statistic = 167 critical = 105

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

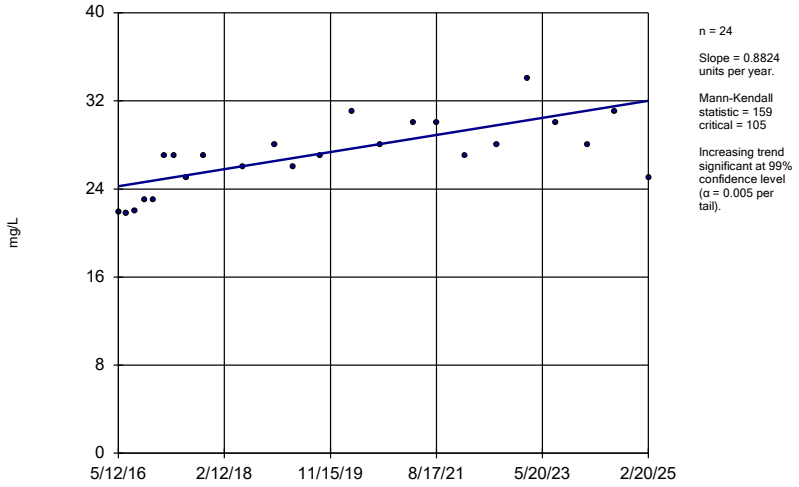
Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-22



n = 24

Slope = 0.8824 units per year.

Mann-Kendall statistic = 159 critical = 105

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

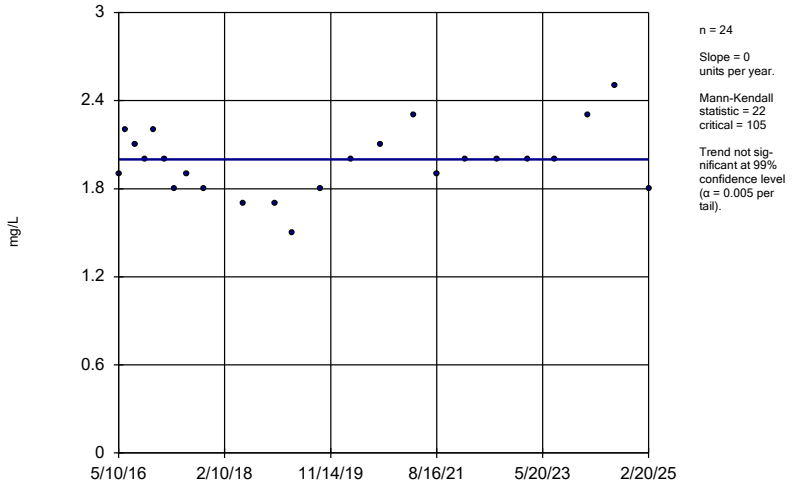
Constituent: Calcium Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-1 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 22 critical = 105

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

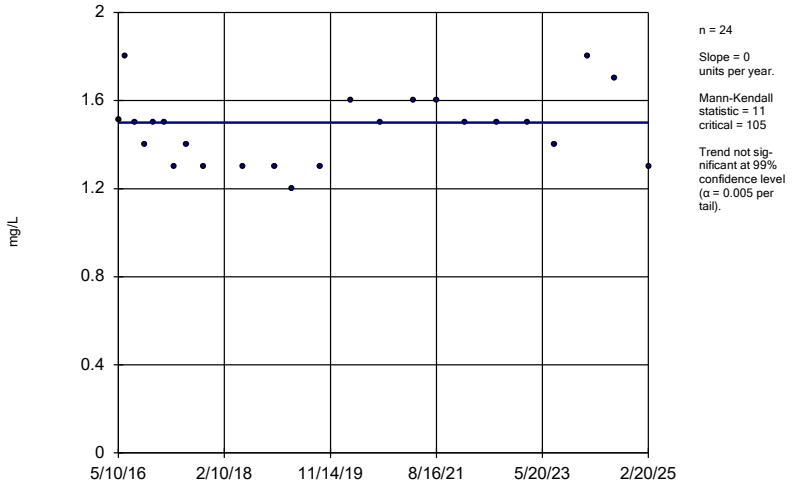
Constituent: Chloride Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-2 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 11 critical = 105

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

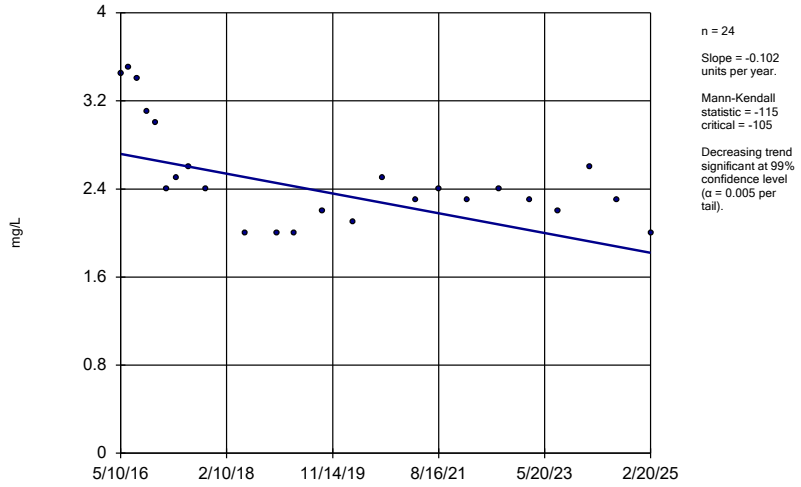
Constituent: Chloride Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = -0.102 units per year.

Mann-Kendall statistic = -115
critical = -105

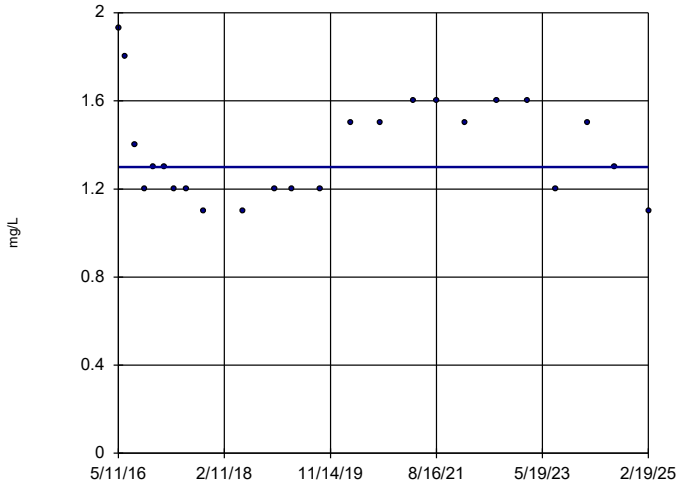
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -105

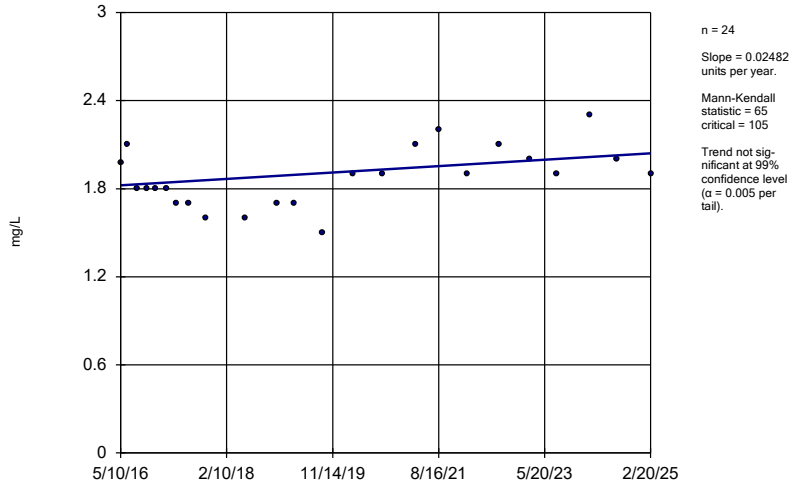
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-5 (bg)



n = 24

Slope = 0.02482 units per year.

Mann-Kendall statistic = 65
critical = 105

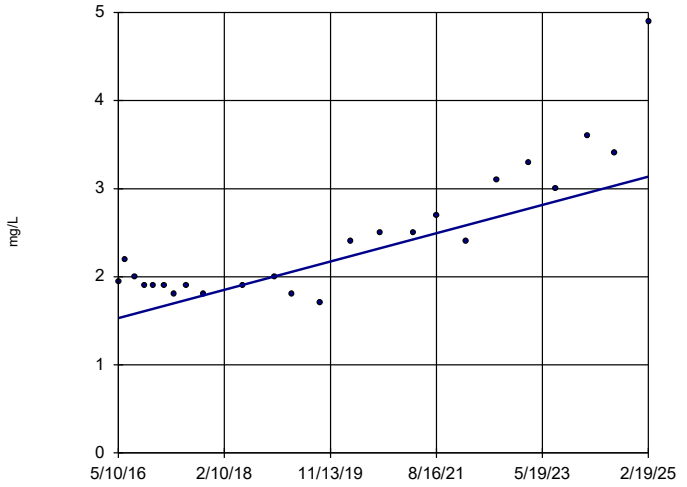
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 24

Slope = 0.1828 units per year.

Mann-Kendall statistic = 146
critical = 105

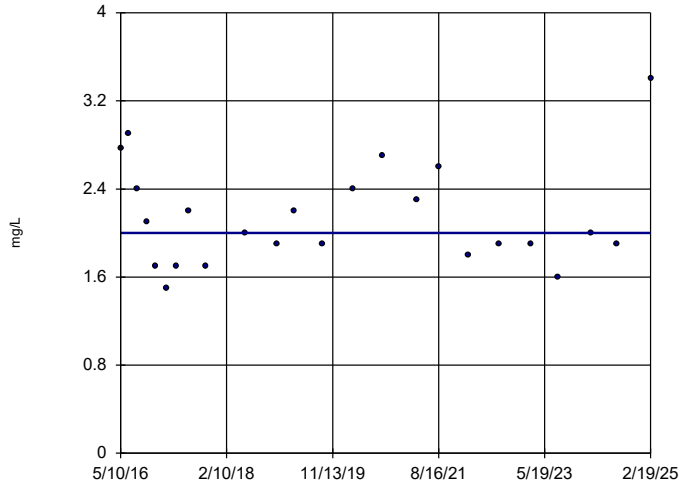
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-25 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -10 critical = -105

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

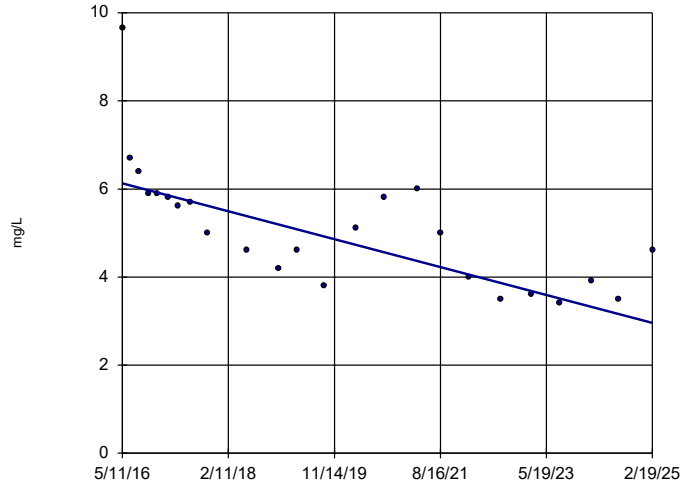
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-7



n = 24

Slope = -0.3605 units per year.

Mann-Kendall statistic = -177 critical = -105

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

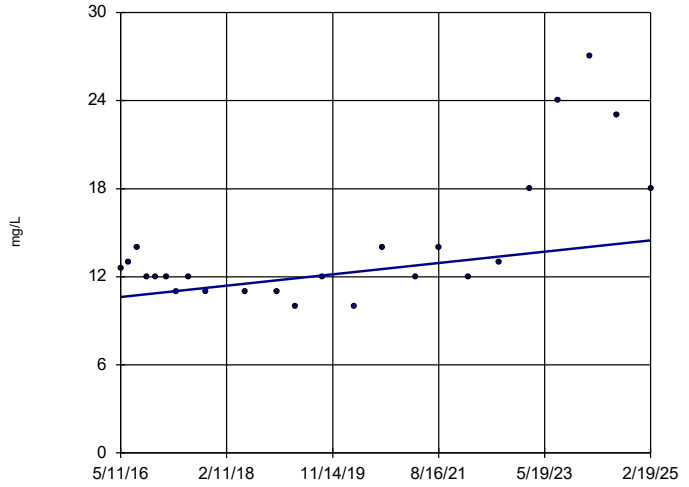
Constituent: Chloride Analysis Run 4/17/2025 11:56 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-8



n = 24

Slope = 0.4393 units per year.

Mann-Kendall statistic = 79 critical = 105

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

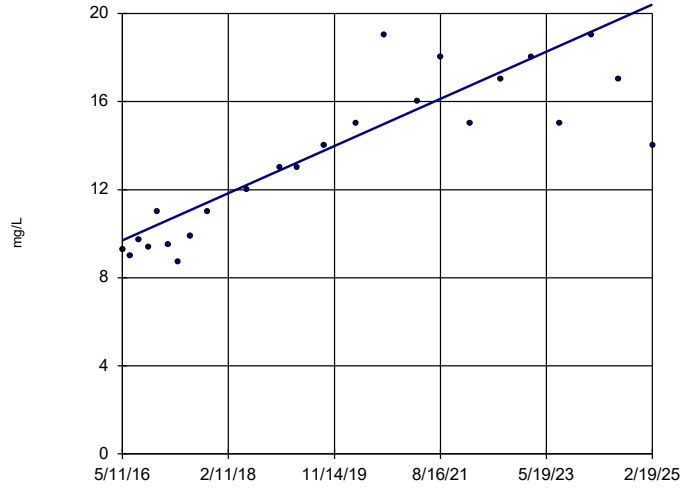
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-9



n = 24

Slope = 1.22 units per year.

Mann-Kendall statistic = 191 critical = 105

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

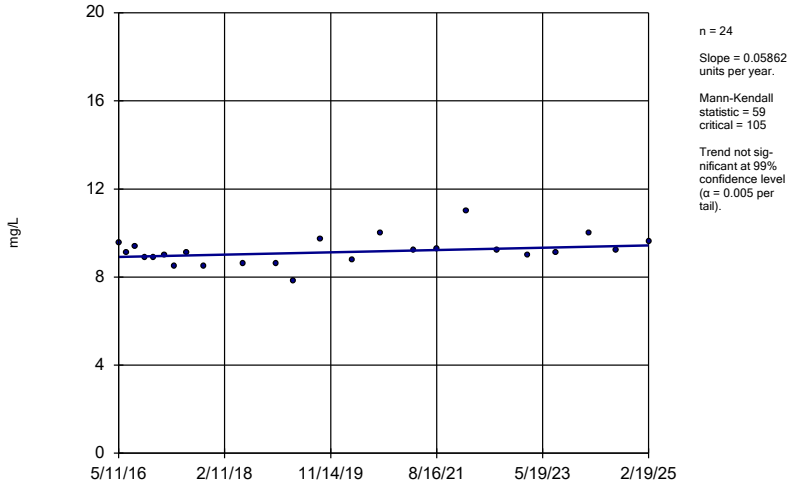
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-10



n = 24

Slope = 0.05862 units per year.

Mann-Kendall statistic = 59 critical = 105

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

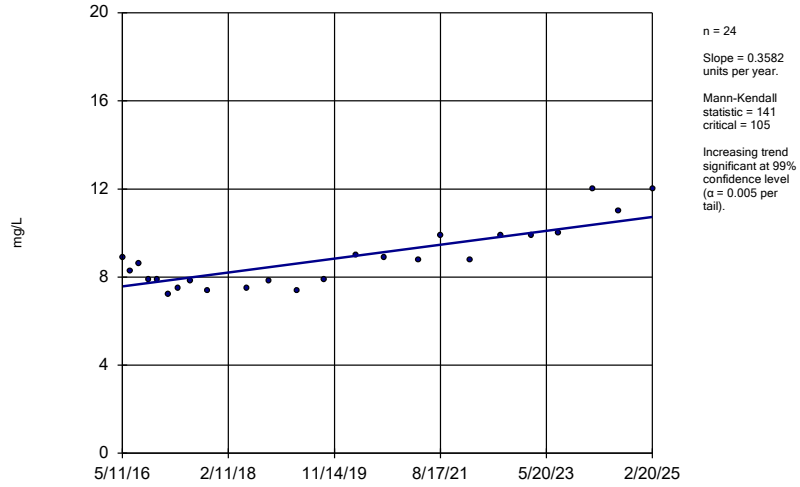
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-11



n = 24

Slope = 0.3582 units per year.

Mann-Kendall statistic = 141 critical = 105

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

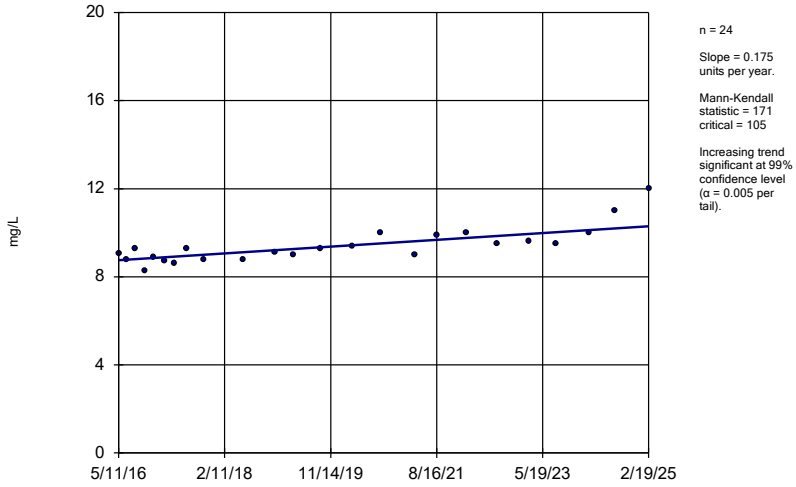
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-12



n = 24

Slope = 0.175 units per year.

Mann-Kendall statistic = 171 critical = 105

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

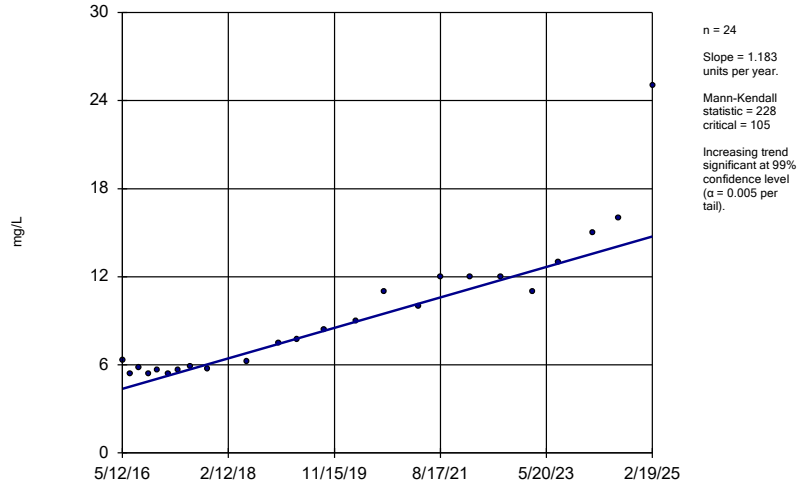
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-13



n = 24

Slope = 1.183 units per year.

Mann-Kendall statistic = 228 critical = 105

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

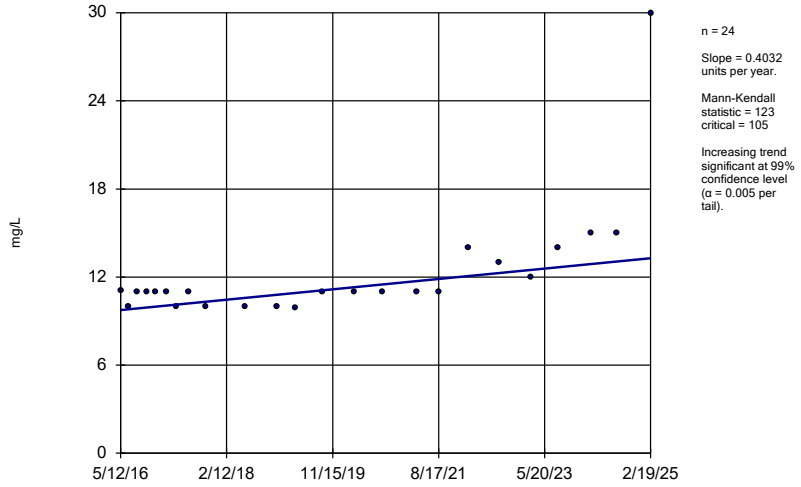
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-14



n = 24

Slope = 0.4032 units per year.

Mann-Kendall statistic = 123 critical = 105

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

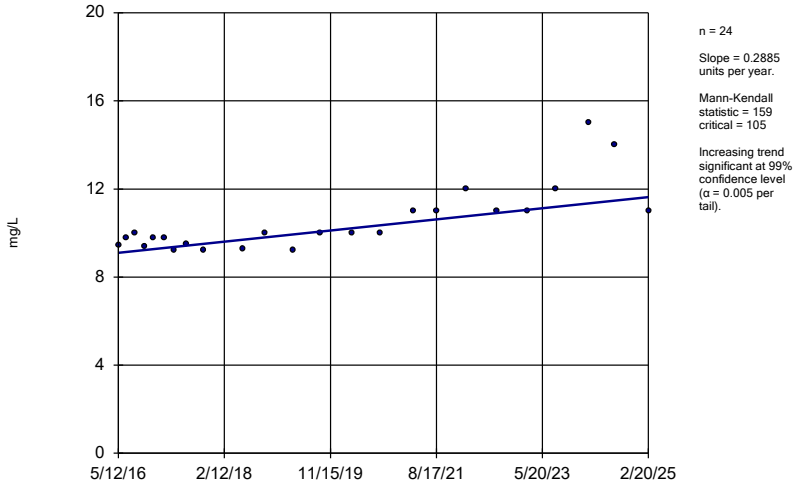
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-15



n = 24

Slope = 0.2885 units per year.

Mann-Kendall statistic = 159 critical = 105

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

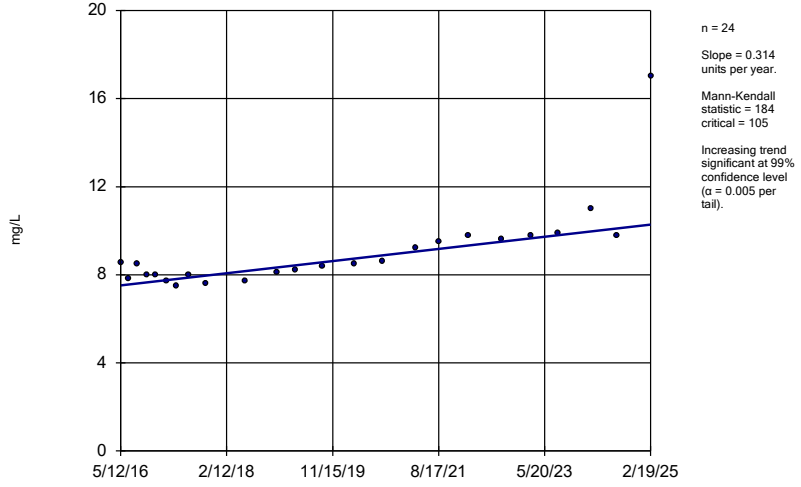
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-16



n = 24

Slope = 0.314 units per year.

Mann-Kendall statistic = 184 critical = 105

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

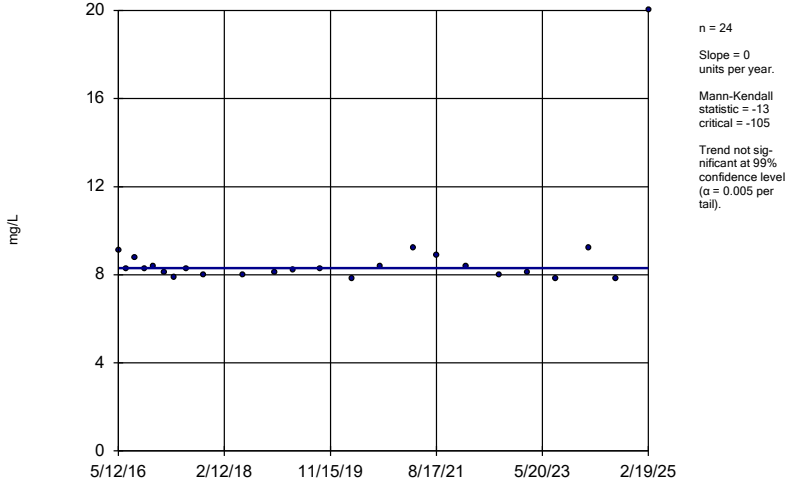
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-17



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -13 critical = -105

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

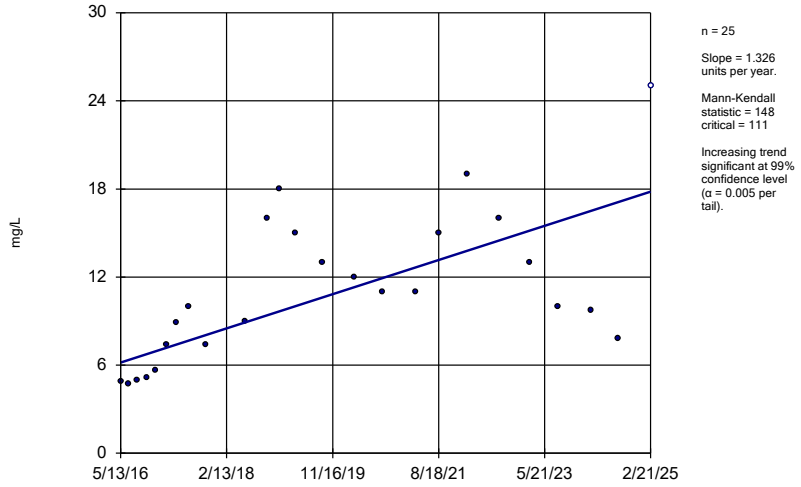
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-18



n = 25

Slope = 1.326 units per year.

Mann-Kendall statistic = 148
critical = 111

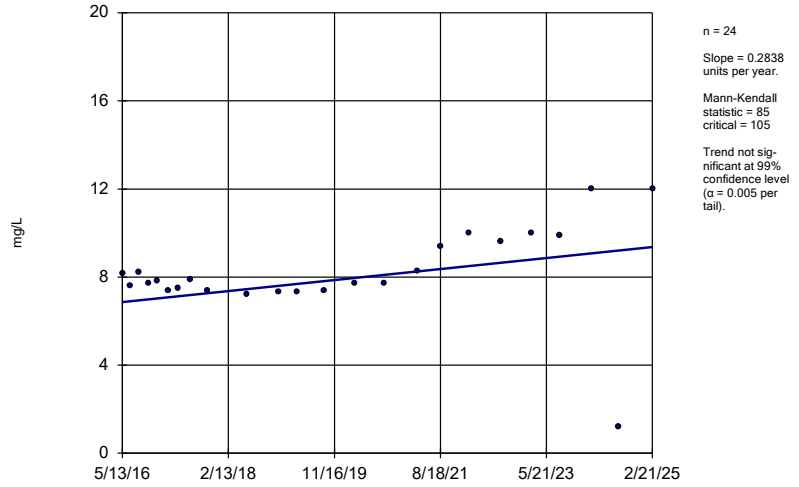
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-19



n = 24

Slope = 0.2838 units per year.

Mann-Kendall statistic = 85
critical = 105

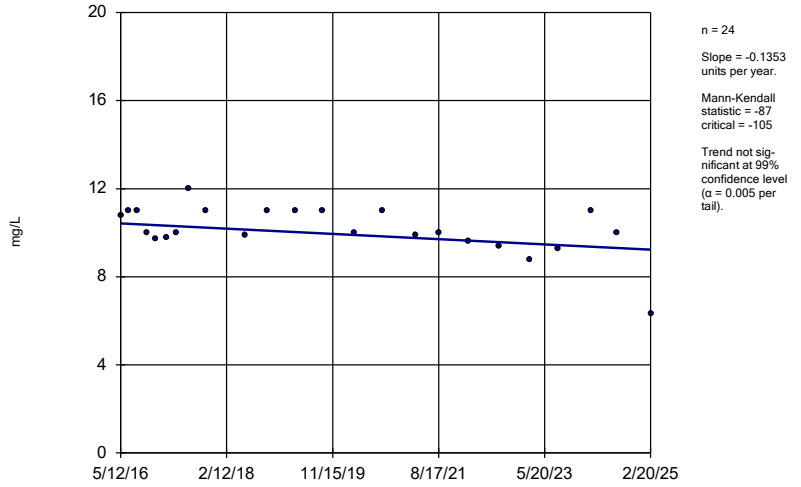
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-20



n = 24

Slope = -0.1353 units per year.

Mann-Kendall statistic = -87
critical = -105

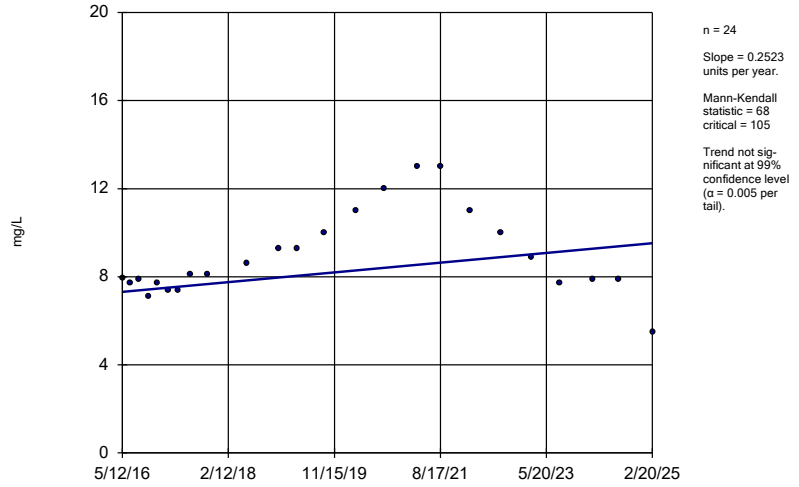
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-21



n = 24

Slope = 0.2523 units per year.

Mann-Kendall statistic = 68
critical = 105

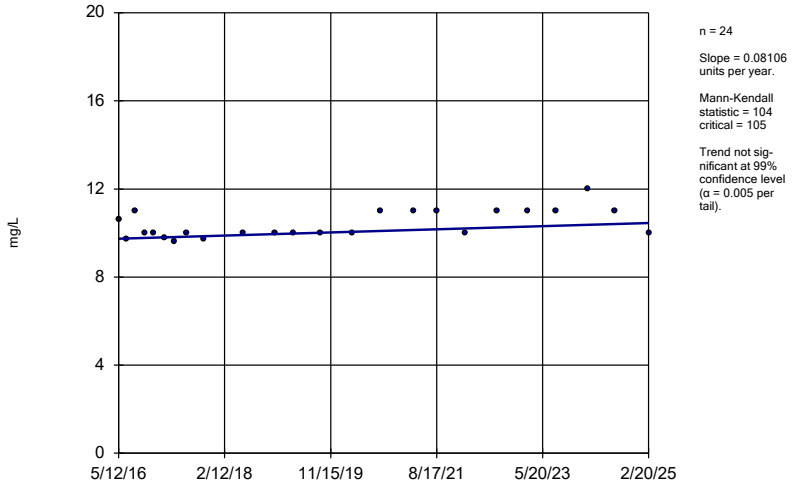
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-22



n = 24

Slope = 0.08106 units per year.

Mann-Kendall statistic = 104 critical = 105

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

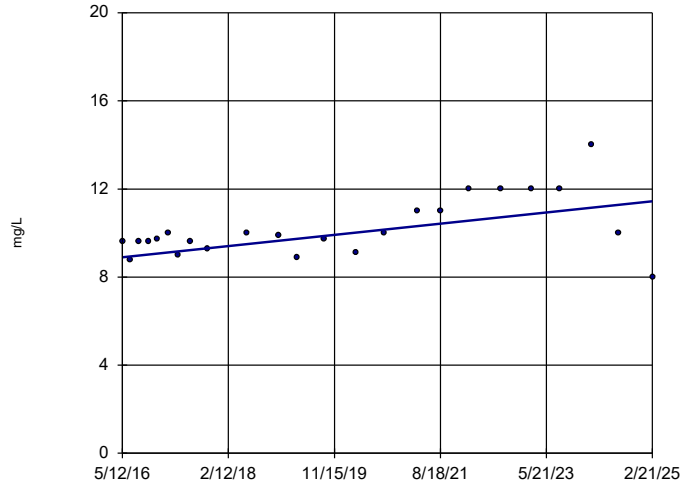
Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-23



n = 24

Slope = 0.2906 units per year.

Mann-Kendall statistic = 115 critical = 105

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

Constituent: Chloride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

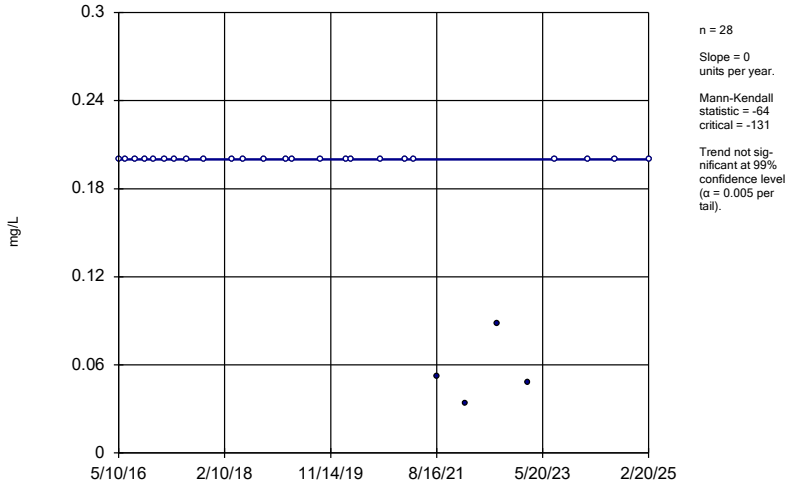
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -64 critical = -131

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

Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

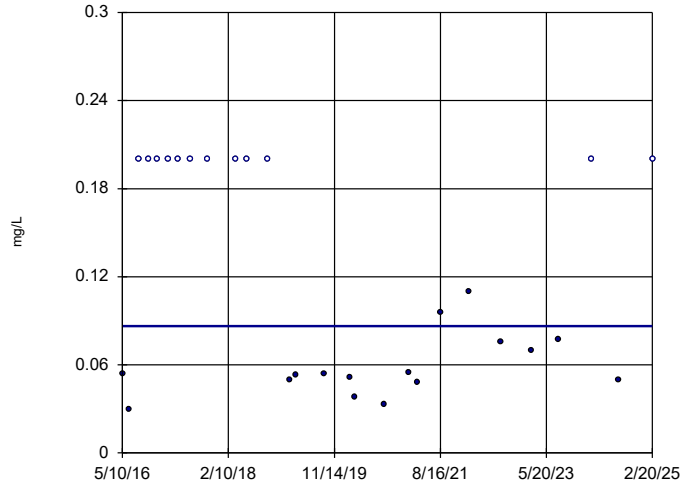
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -51 critical = -131

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

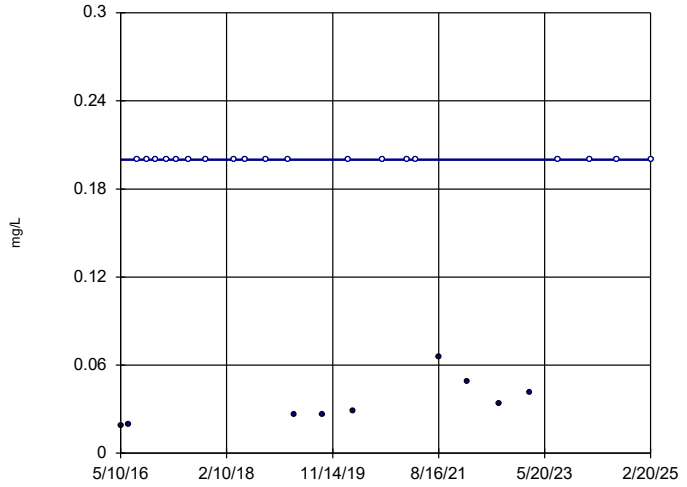
Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 8
critical = 131

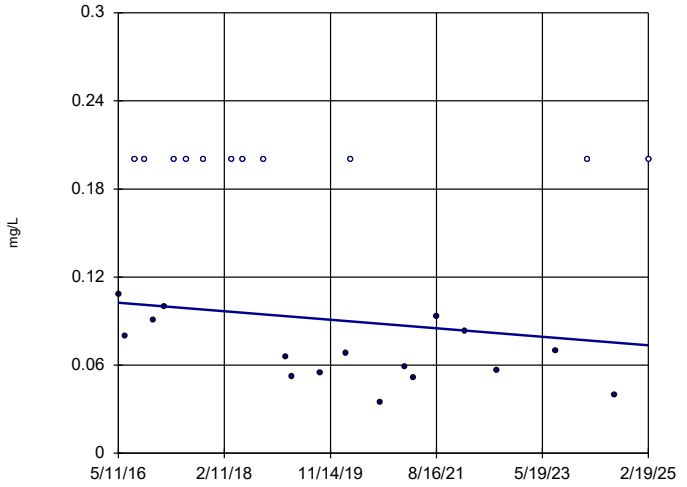
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 27

Slope = -0.003296 units per year.

Mann-Kendall statistic = -80
critical = -124

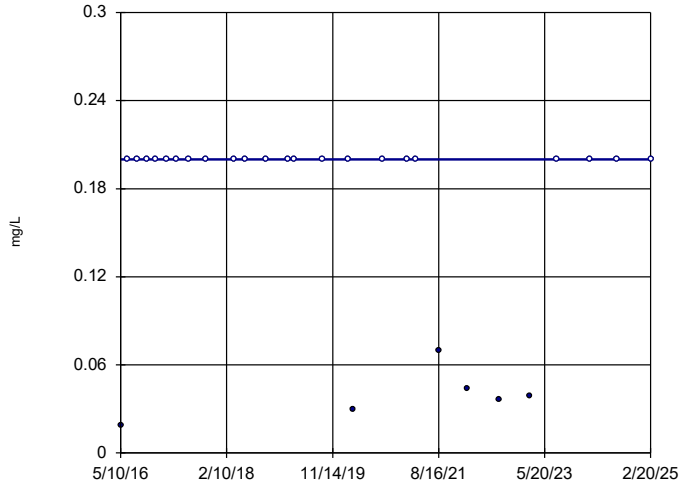
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -37
critical = -131

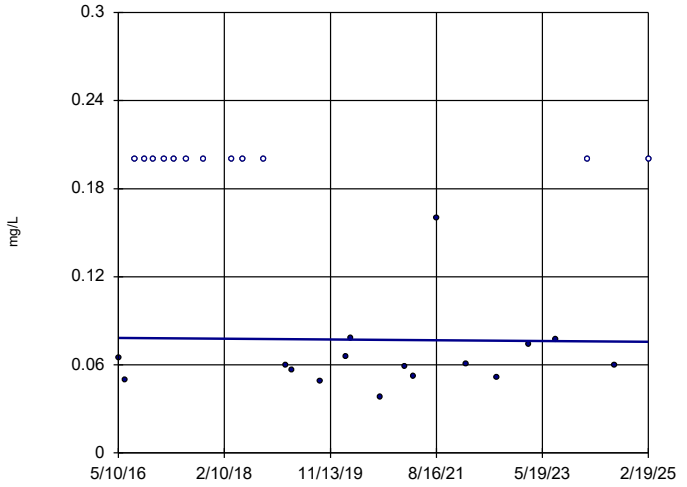
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 28

Slope = -0.0003025 units per year.

Mann-Kendall statistic = -69
critical = -131

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

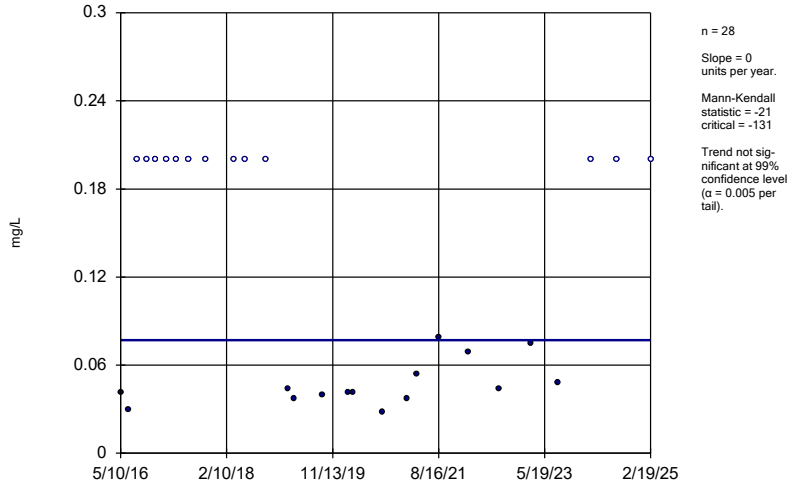
Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -21
critical = -131

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

Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

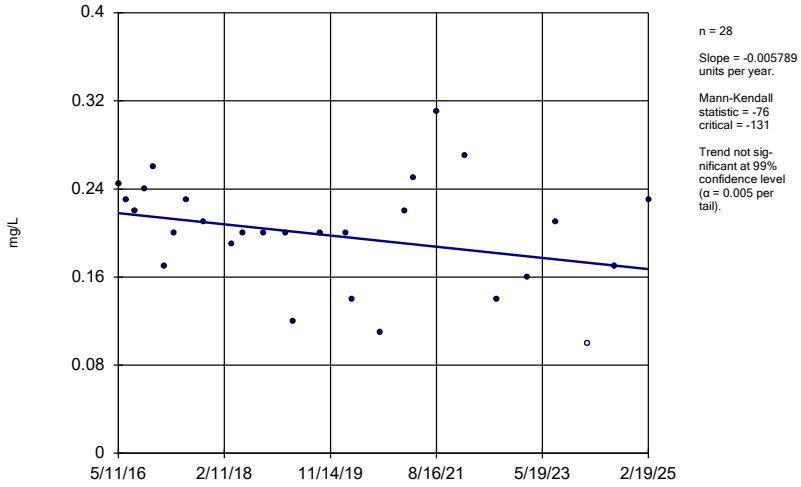
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-7



n = 28

Slope = -0.005789 units per year.

Mann-Kendall statistic = -76
critical = -131

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

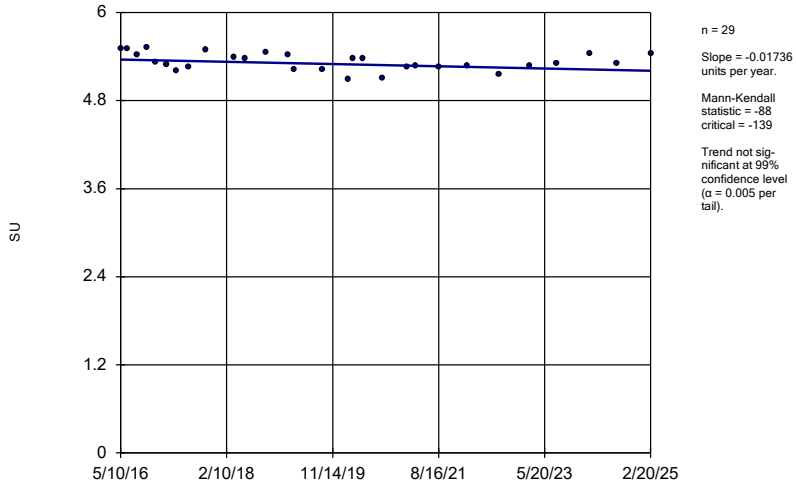
Constituent: Fluoride Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-1 (bg)



n = 29

Slope = -0.01736 units per year.

Mann-Kendall statistic = -88
critical = -139

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

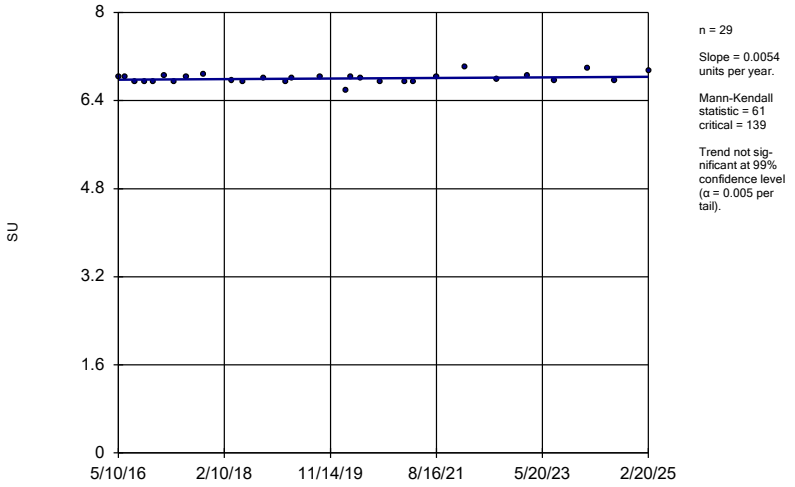
Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-2 (bg)



n = 29

Slope = 0.0054 units per year.

Mann-Kendall statistic = 61
critical = 139

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

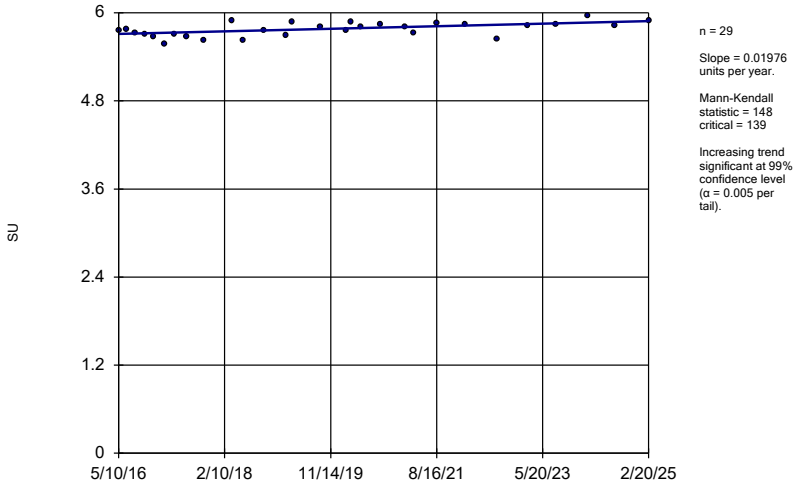
Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 29

Slope = 0.01976 units per year.

Mann-Kendall statistic = 148 critical = 139

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

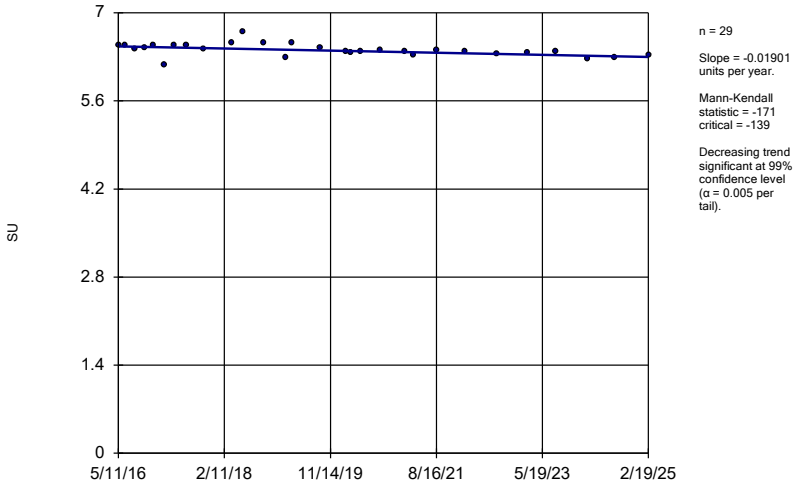
Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 29

Slope = -0.01901 units per year.

Mann-Kendall statistic = -171 critical = -139

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

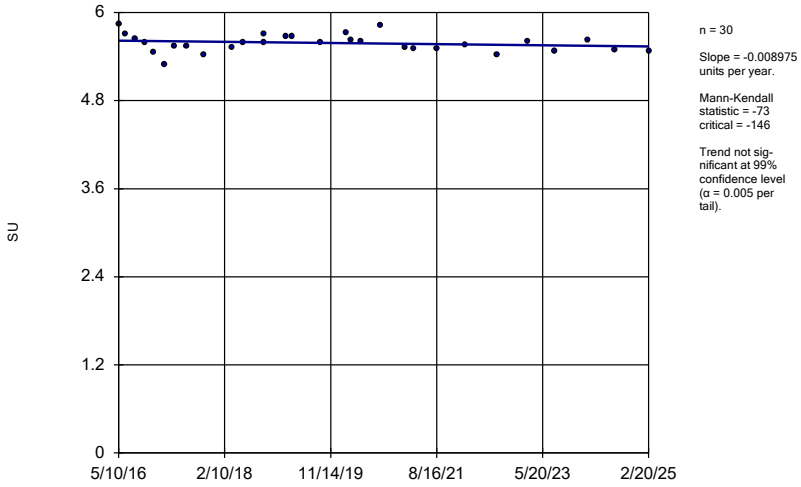
Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-5 (bg)



n = 30

Slope = -0.008975 units per year.

Mann-Kendall statistic = -73 critical = -146

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

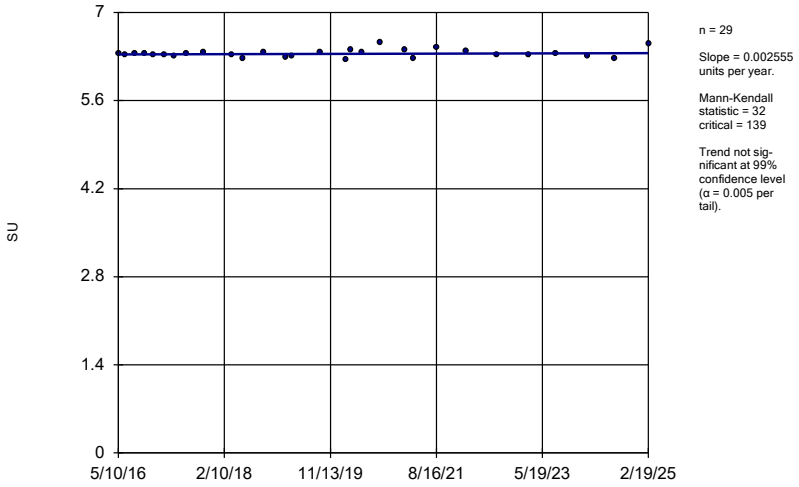
Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 29

Slope = 0.002555 units per year.

Mann-Kendall statistic = 32 critical = 139

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

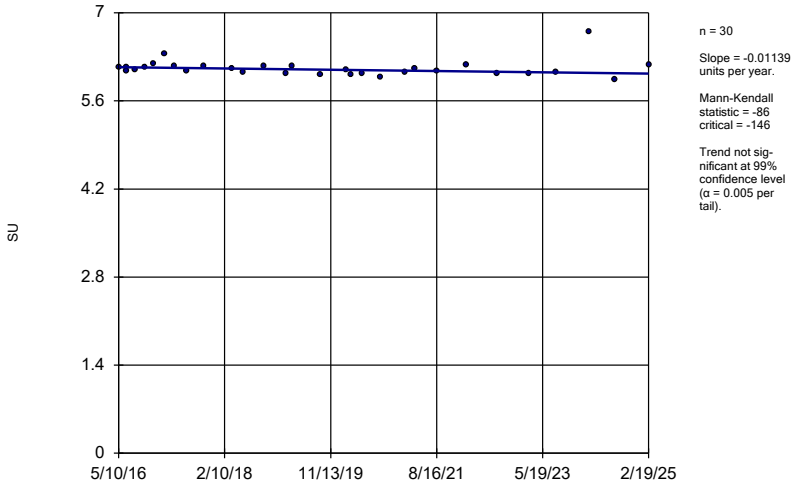
Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-25 (bg)



n = 30

Slope = -0.01139 units per year.

Mann-Kendall statistic = -86
critical = -146

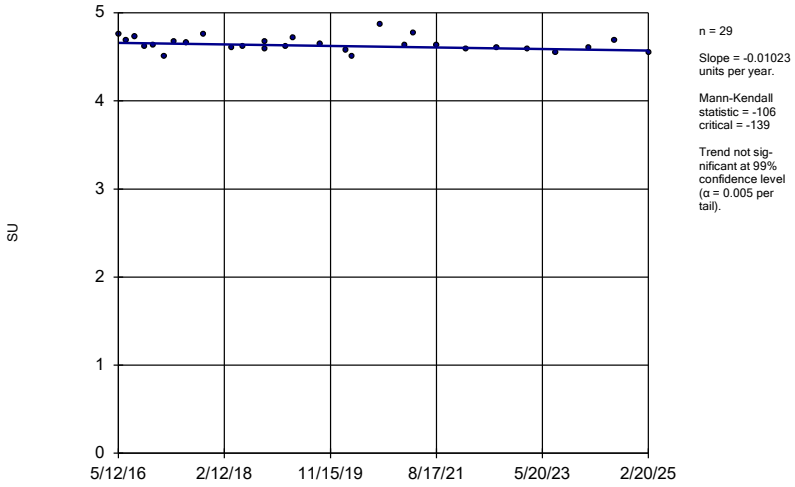
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-15



n = 29

Slope = -0.01023 units per year.

Mann-Kendall statistic = -106
critical = -139

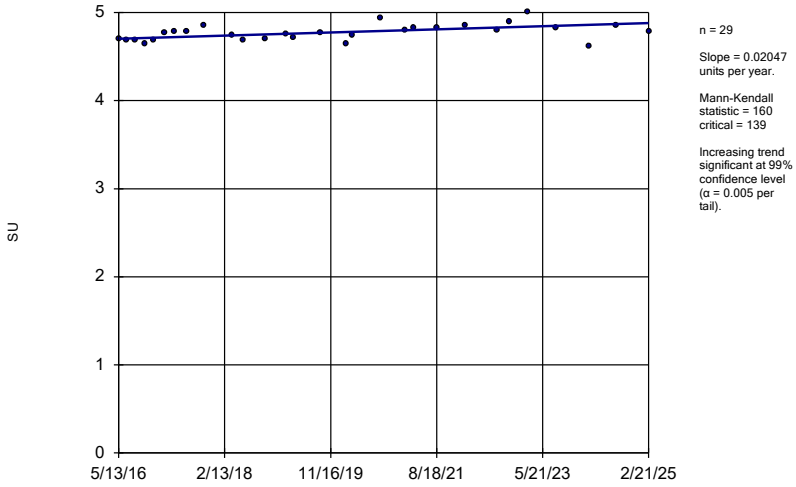
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-18



n = 29

Slope = 0.02047 units per year.

Mann-Kendall statistic = 160
critical = 139

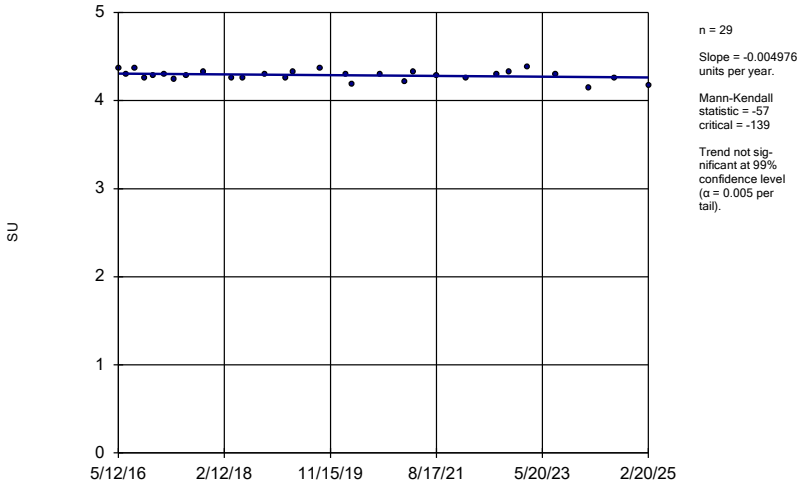
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-20



n = 29

Slope = -0.004976 units per year.

Mann-Kendall statistic = -57
critical = -139

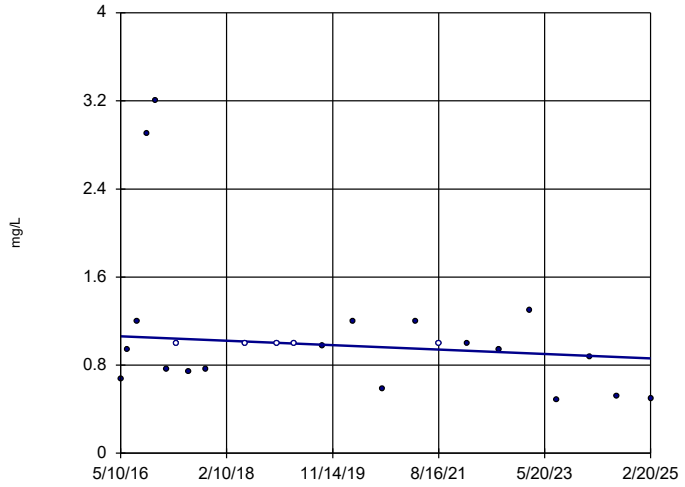
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 24

Slope = -0.02284 units per year.

Mann-Kendall statistic = -52
critical = -105

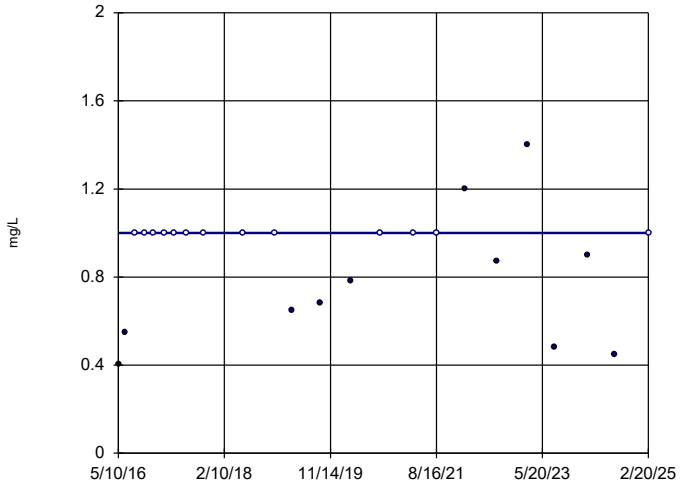
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 105

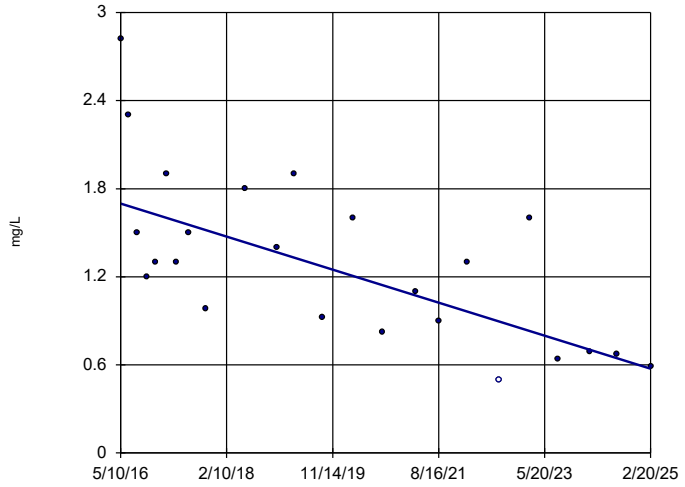
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = -0.128 units per year.

Mann-Kendall statistic = -144
critical = -105

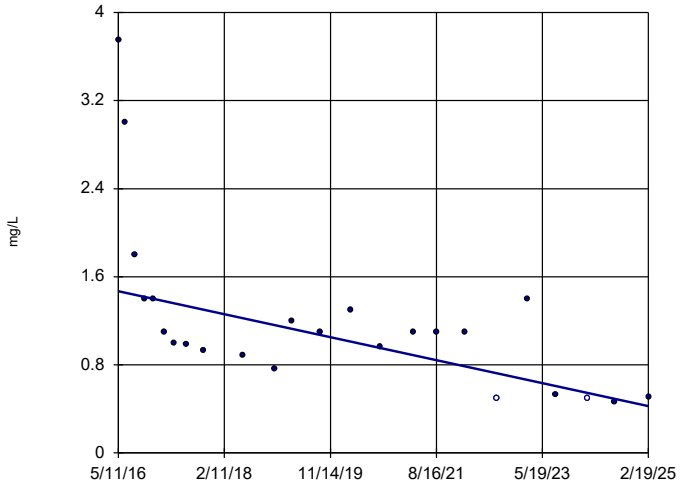
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = -0.1188 units per year.

Mann-Kendall statistic = -146
critical = -105

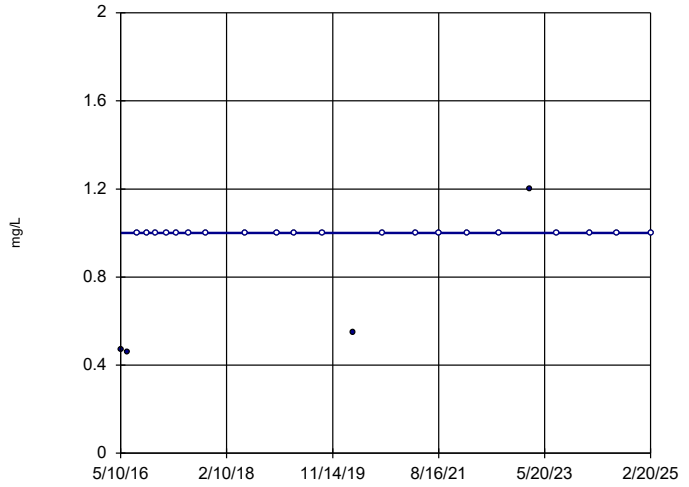
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 54 critical = 105

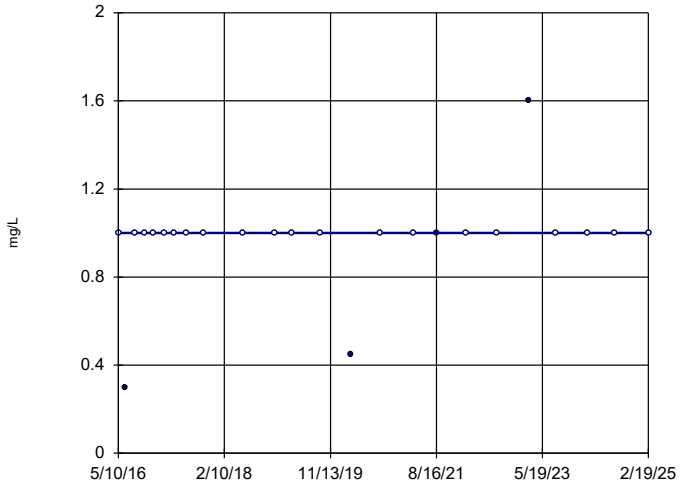
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 32 critical = 105

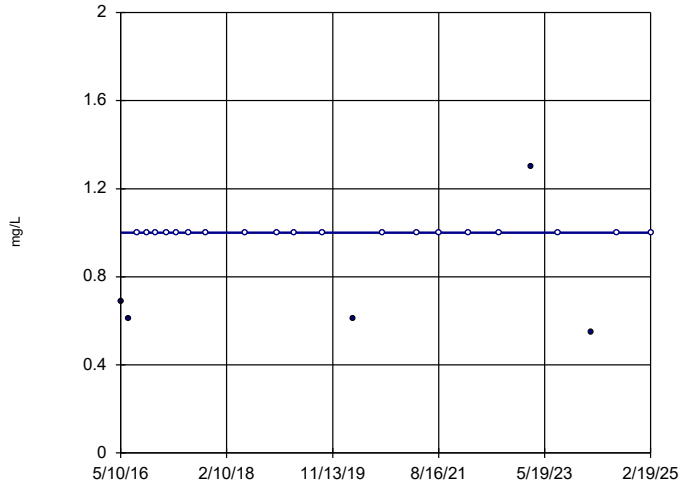
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 30 critical = 105

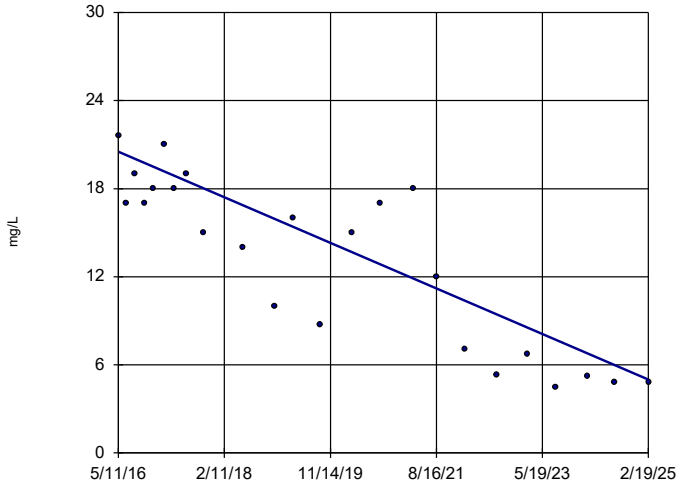
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-7



n = 24

Slope = -1.767 units per year.

Mann-Kendall statistic = -187 critical = -105

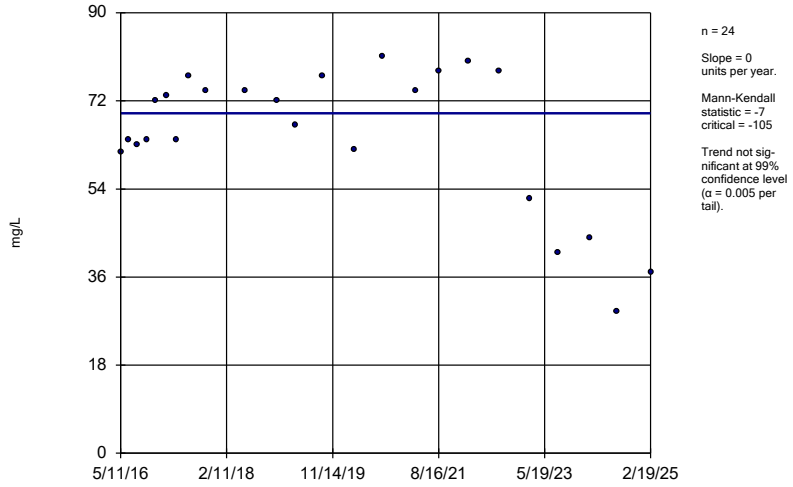
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-8



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -7 critical = -105

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

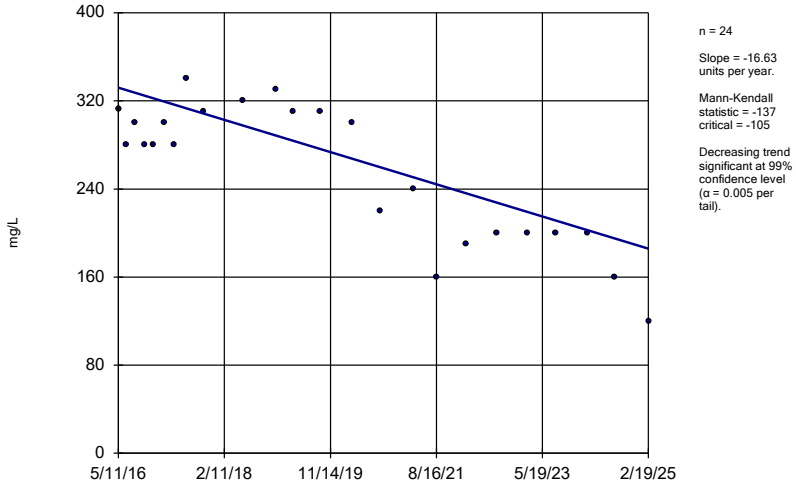
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-9



n = 24

Slope = -16.63 units per year.

Mann-Kendall statistic = -137 critical = -105

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

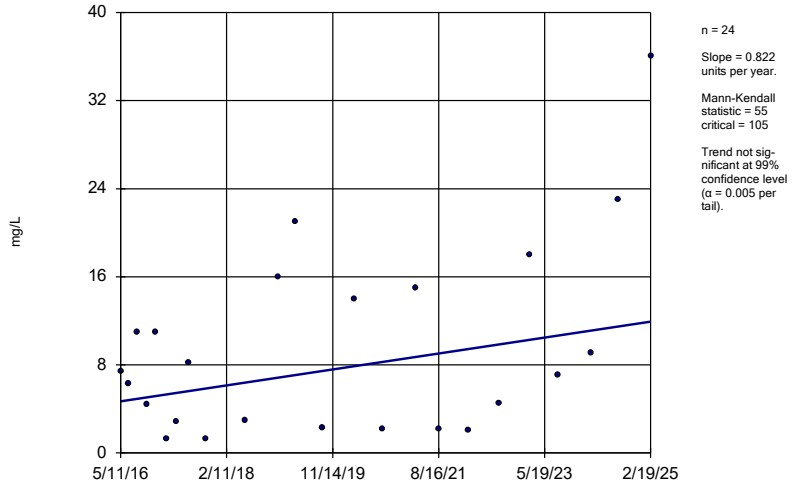
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-10



n = 24

Slope = 0.822 units per year.

Mann-Kendall statistic = 55 critical = 105

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

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

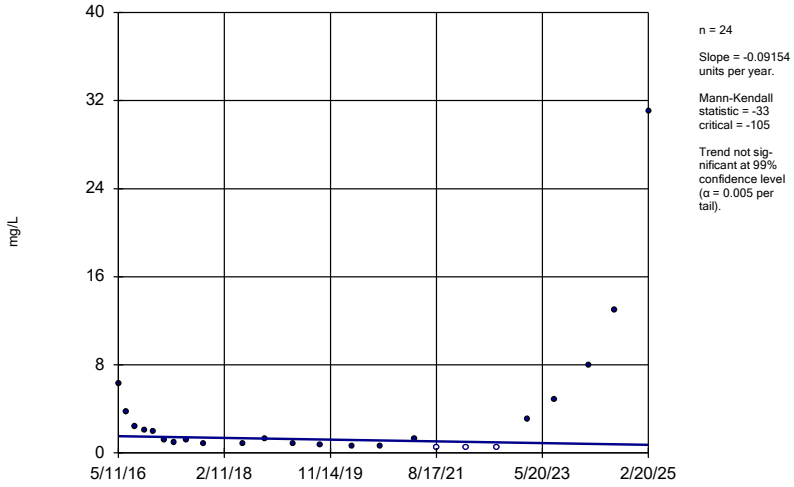
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWC-11



n = 24

Slope = -0.09154 units per year.

Mann-Kendall statistic = -33 critical = -105

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

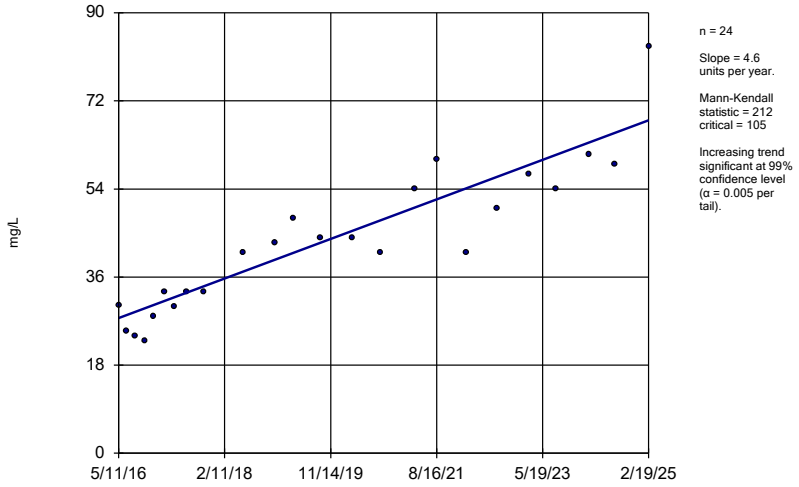
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-12



n = 24

Slope = 4.6 units per year.

Mann-Kendall statistic = 212 critical = 105

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

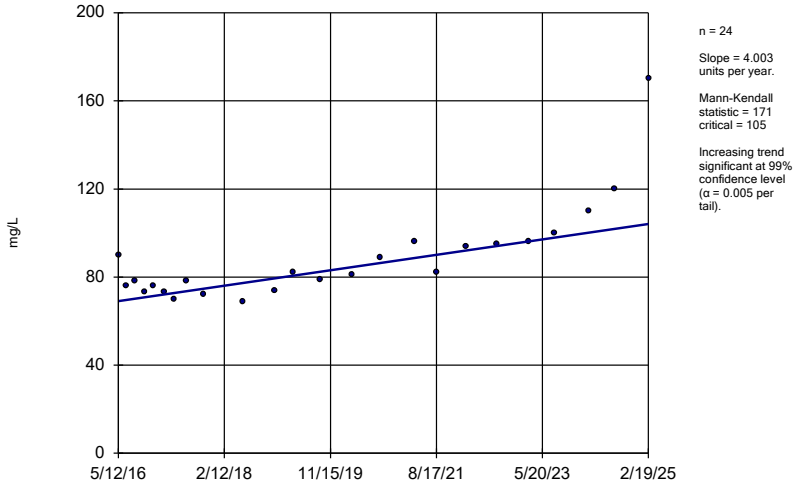
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-13



n = 24

Slope = 4.003 units per year.

Mann-Kendall statistic = 171 critical = 105

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

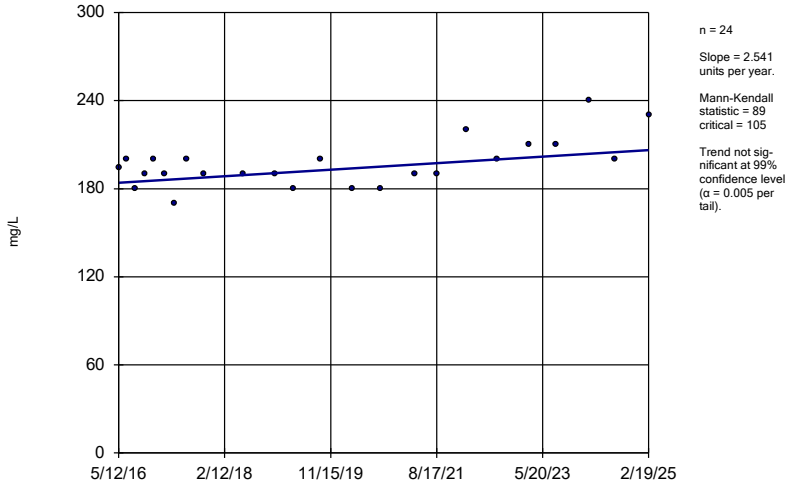
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-14



n = 24

Slope = 2.541 units per year.

Mann-Kendall statistic = 89 critical = 105

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

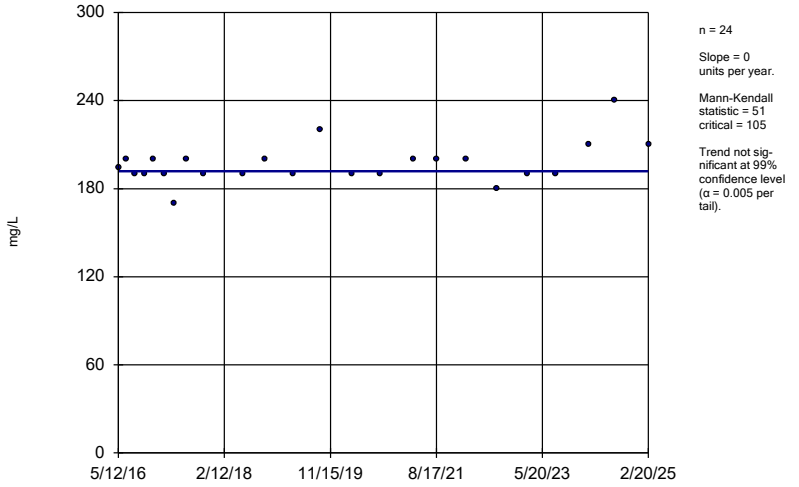
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-15



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 51 critical = 105

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

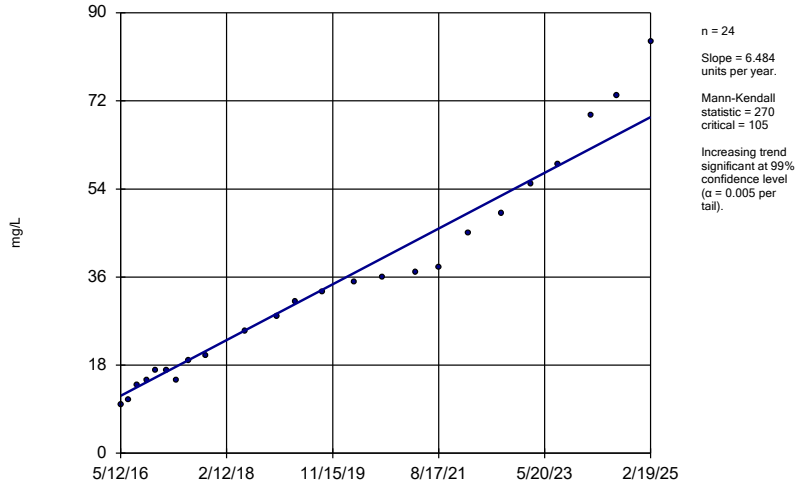
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-16



n = 24

Slope = 6.484 units per year.

Mann-Kendall statistic = 270 critical = 105

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

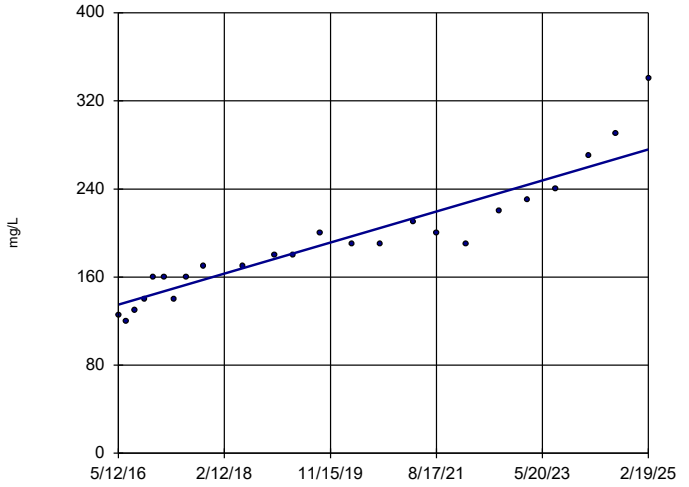
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-17



n = 24

Slope = 16.04 units per year.

Mann-Kendall statistic = 248 critical = 105

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

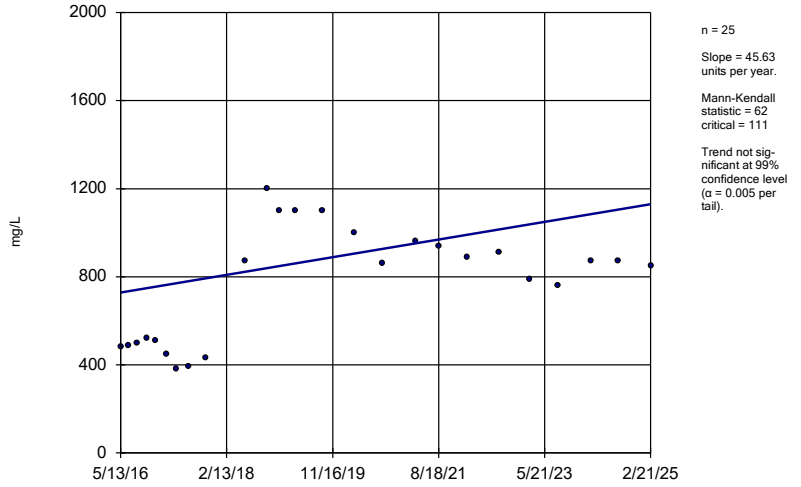
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-18



n = 25

Slope = 45.63 units per year.

Mann-Kendall statistic = 62 critical = 111

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

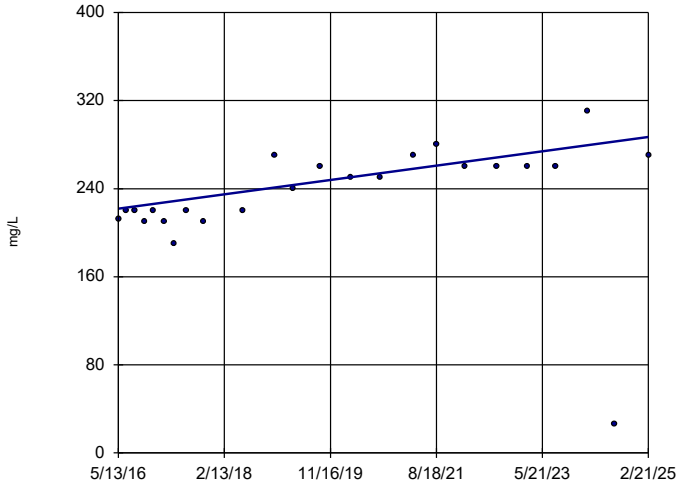
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-19



n = 24

Slope = 7.411 units per year.

Mann-Kendall statistic = 129 critical = 105

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

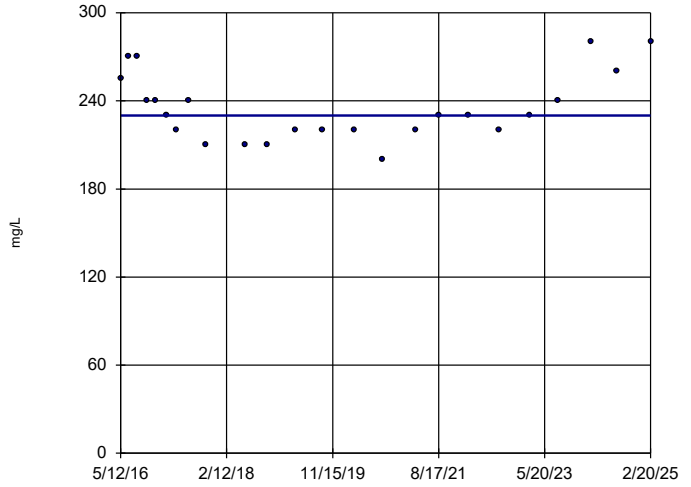
Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-20



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 105

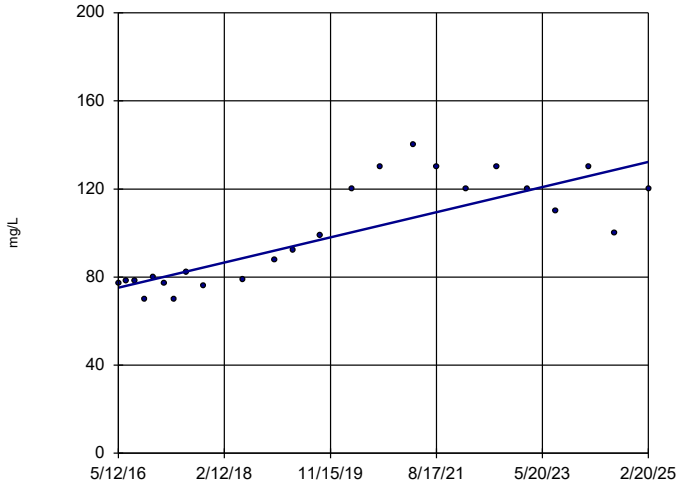
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-21



n = 24

Slope = 6.509 units per year.

Mann-Kendall statistic = 162
critical = 105

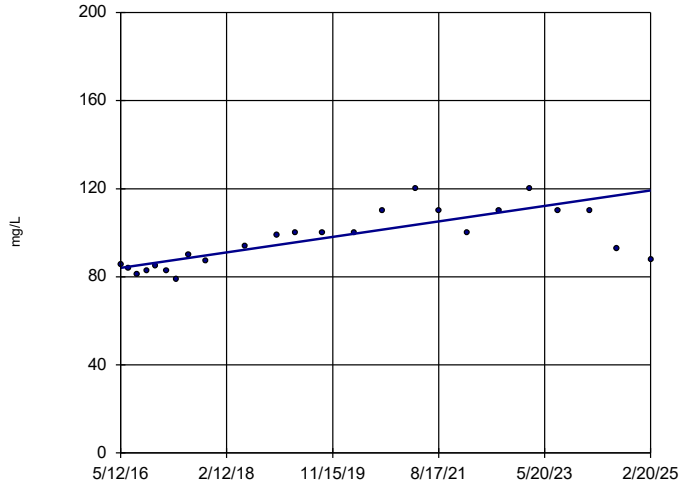
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-22



n = 24

Slope = 4 units per year.

Mann-Kendall statistic = 152
critical = 105

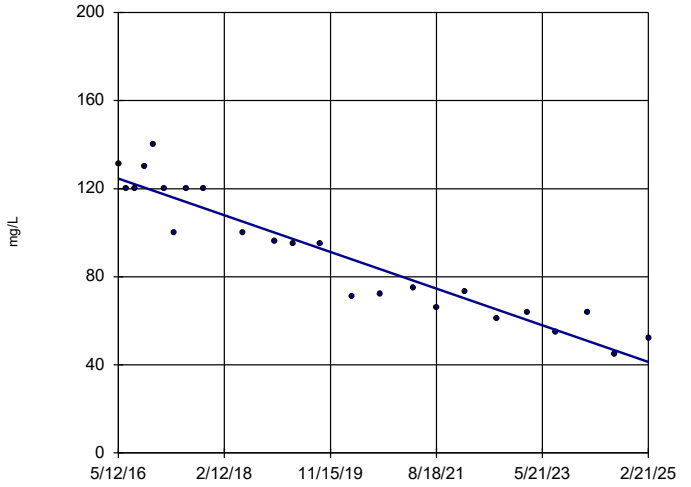
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-23



n = 24

Slope = -9.483 units per year.

Mann-Kendall statistic = -227
critical = -105

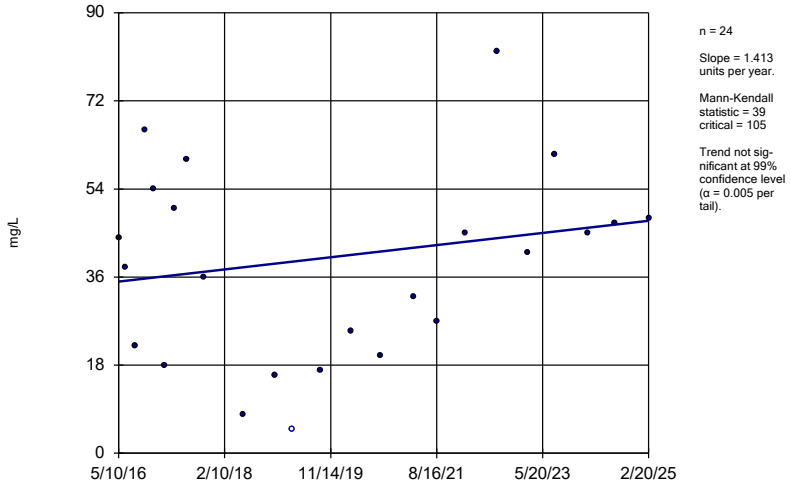
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-1 (bg)



n = 24

Slope = 1.413 units per year.

Mann-Kendall statistic = 39 critical = 105

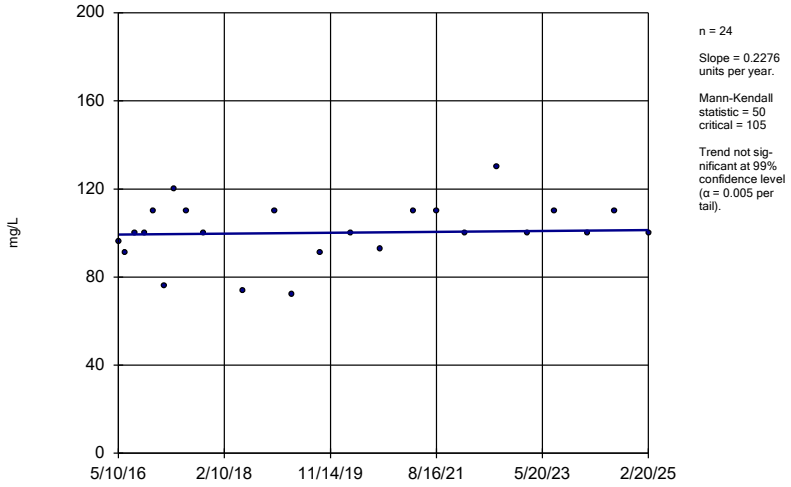
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-2 (bg)



n = 24

Slope = 0.2276 units per year.

Mann-Kendall statistic = 50 critical = 105

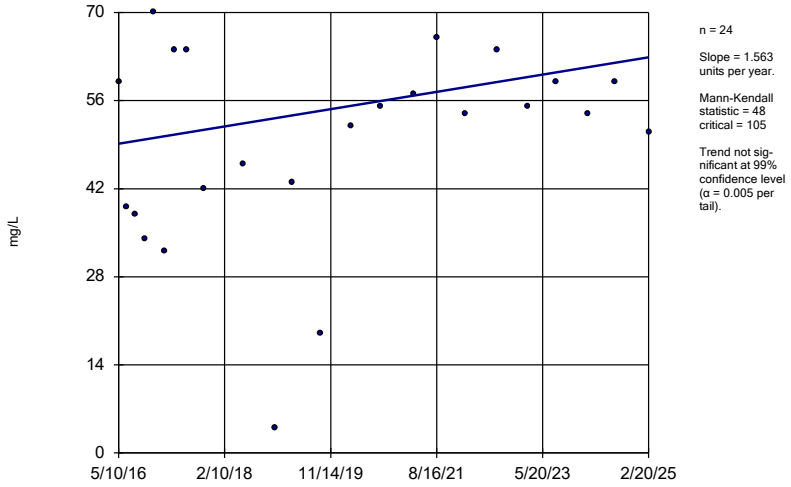
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-3 (bg)



n = 24

Slope = 1.563 units per year.

Mann-Kendall statistic = 48 critical = 105

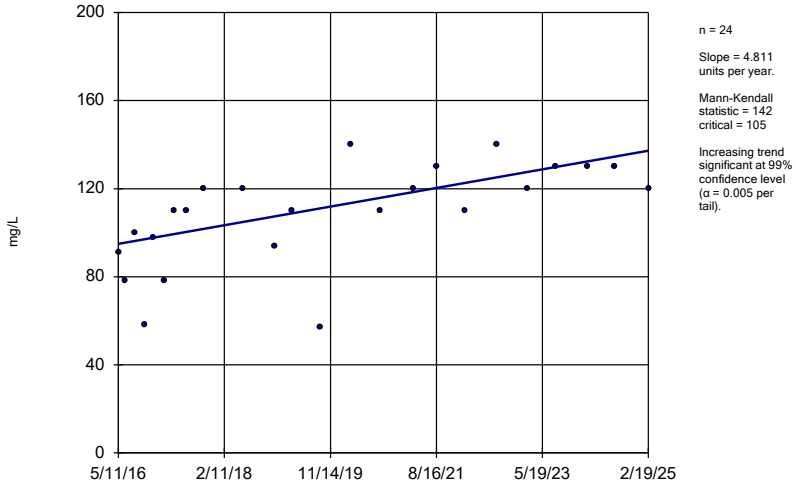
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-4 (bg)



n = 24

Slope = 4.811 units per year.

Mann-Kendall statistic = 142 critical = 105

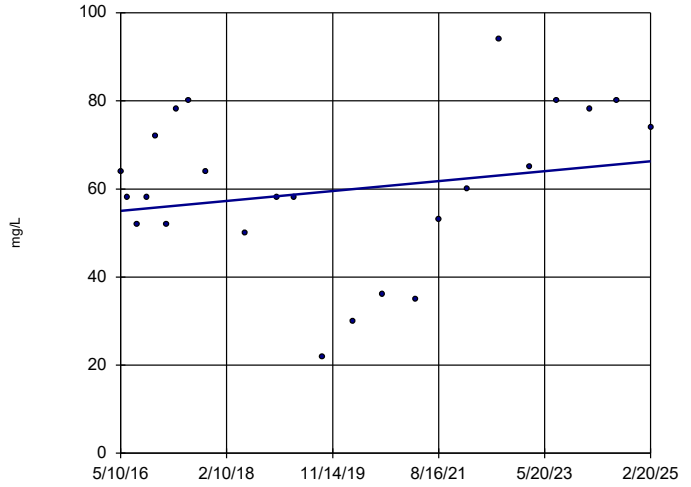
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests
Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-5 (bg)



n = 24

Slope = 1.28 units per year.

Mann-Kendall statistic = 48 critical = 105

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

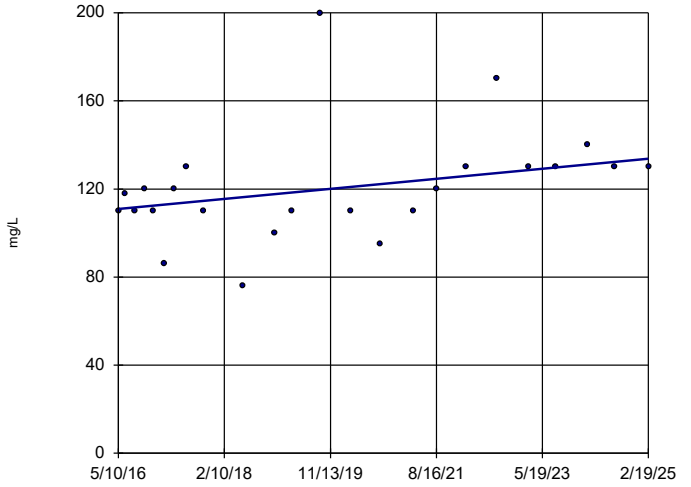
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-24 (bg)



n = 24

Slope = 2.602 units per year.

Mann-Kendall statistic = 95 critical = 105

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

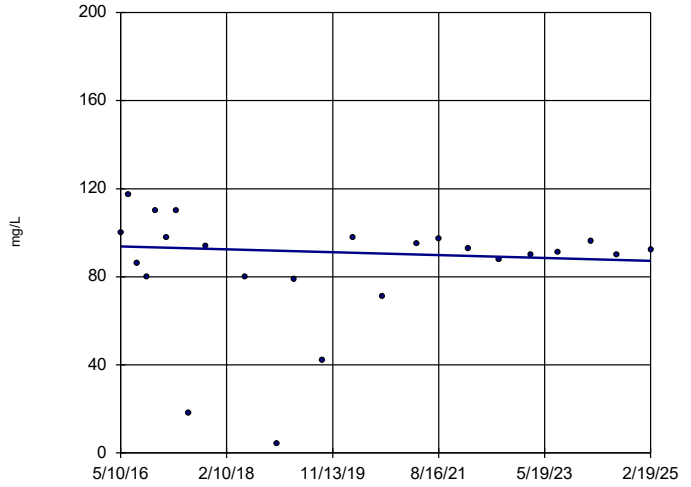
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWA-25 (bg)



n = 24

Slope = -0.7464 units per year.

Mann-Kendall statistic = -36 critical = -105

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

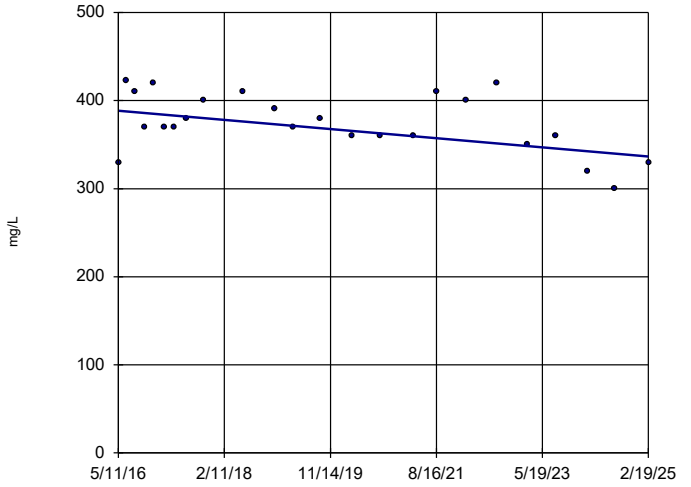
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-8



n = 24

Slope = -5.894 units per year.

Mann-Kendall statistic = -95 critical = -105

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

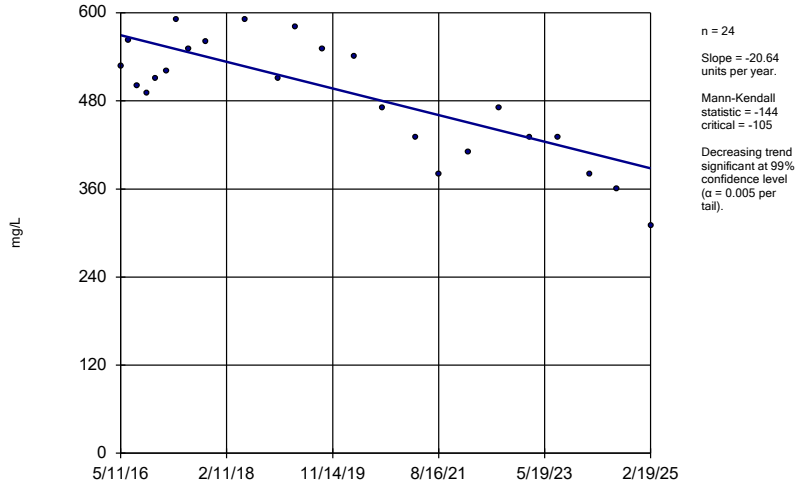
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-9



n = 24

Slope = -20.64 units per year.

Mann-Kendall statistic = -144 critical = -105

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

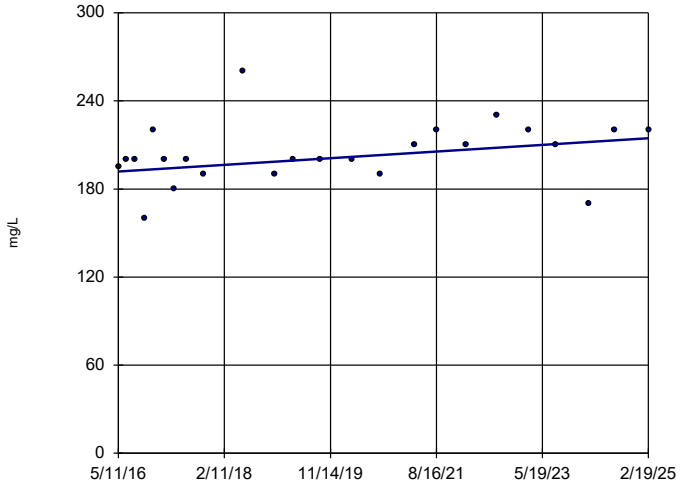
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-12



n = 24

Slope = 2.575 units per year.

Mann-Kendall statistic = 85 critical = 105

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

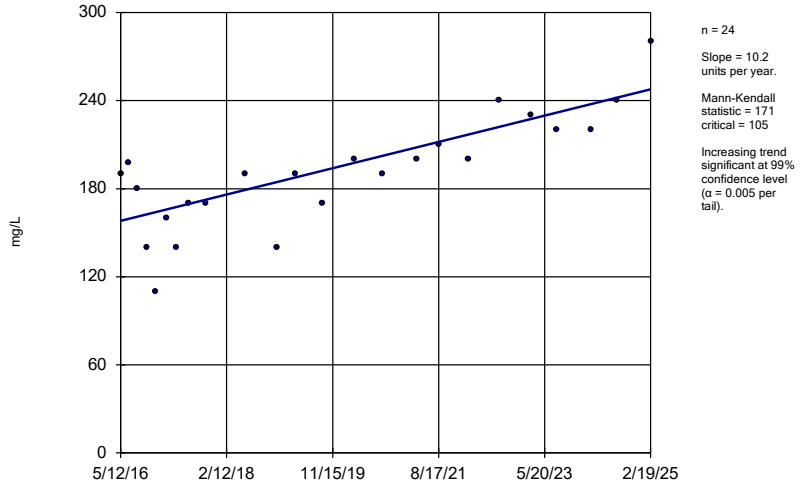
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-13



n = 24

Slope = 10.2 units per year.

Mann-Kendall statistic = 171 critical = 105

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

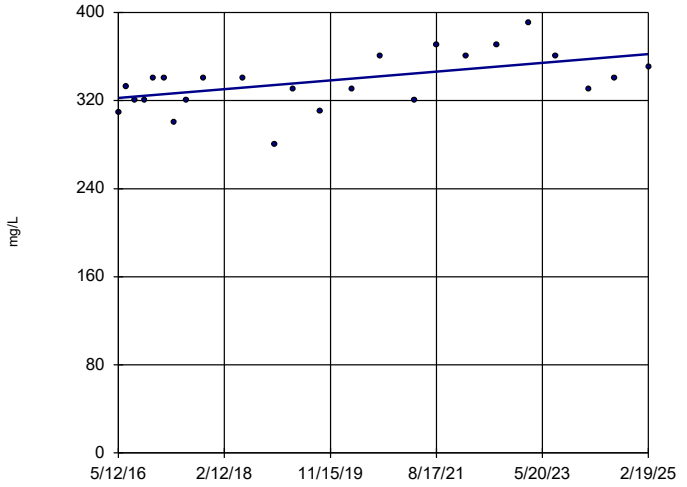
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-14



n = 24

Slope = 4.547 units per year.

Mann-Kendall statistic = 103 critical = 105

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

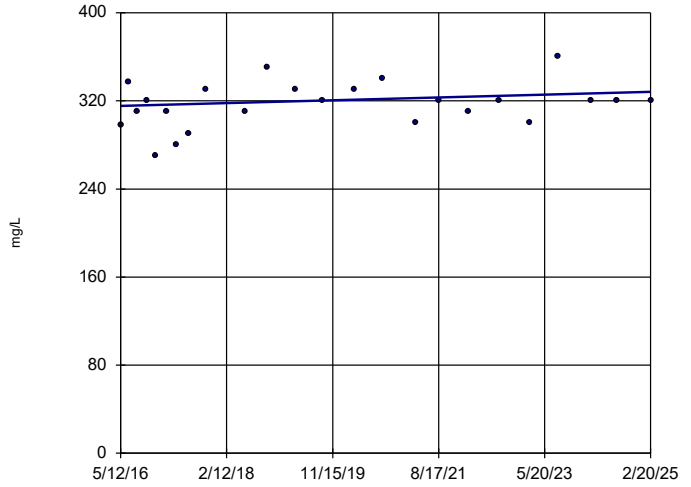
Constituent: TDS Analysis Run 4/17/2025 11:57 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-15



n = 24

Slope = 1.456 units per year.

Mann-Kendall statistic = 49 critical = 105

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

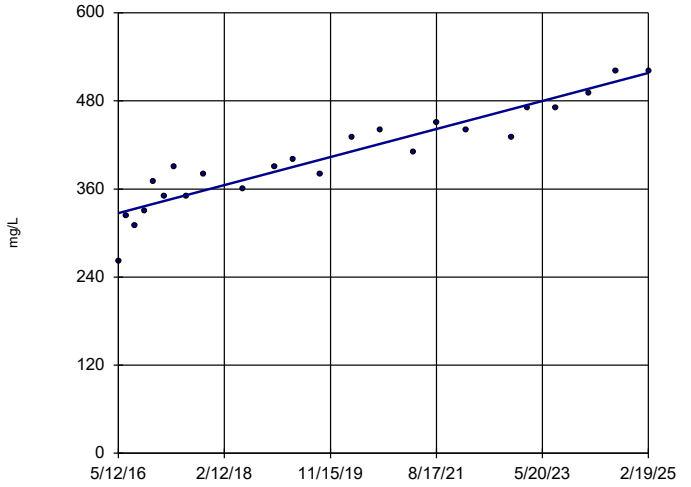
Constituent: TDS Analysis Run 4/17/2025 11:58 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-17



n = 24

Slope = 21.73 units per year.

Mann-Kendall statistic = 235 critical = 105

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

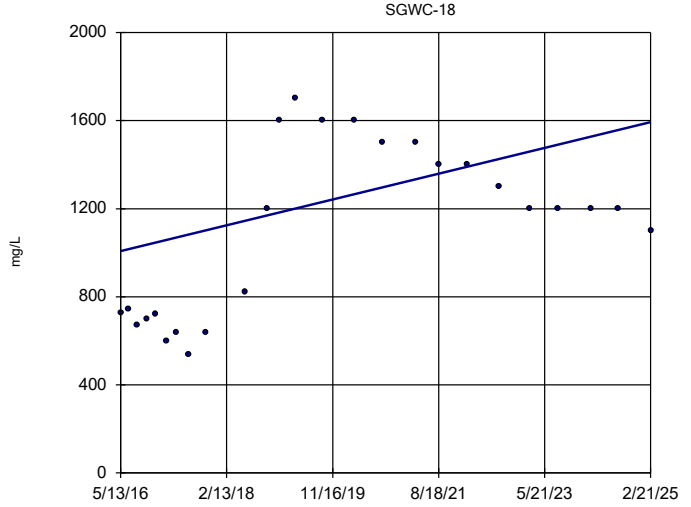
Constituent: TDS Analysis Run 4/17/2025 11:58 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-18



n = 25

Slope = 66.6 units per year.

Mann-Kendall statistic = 68 critical = 111

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

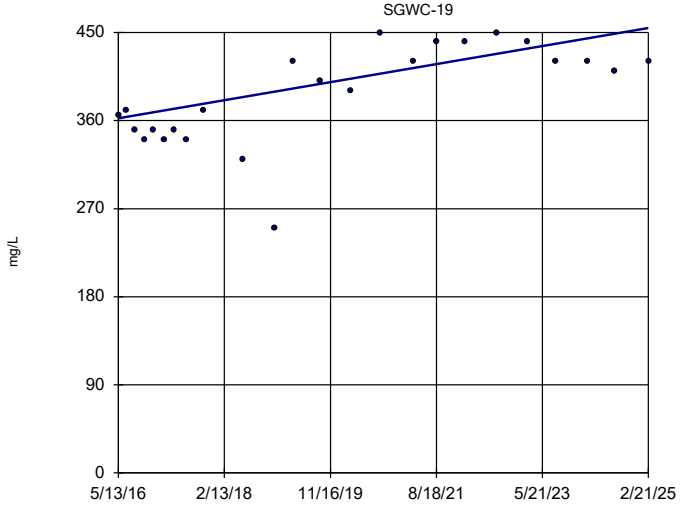
Constituent: TDS Analysis Run 4/17/2025 11:58 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-19



n = 24

Slope = 10.51 units per year.

Mann-Kendall statistic = 117 critical = 105

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

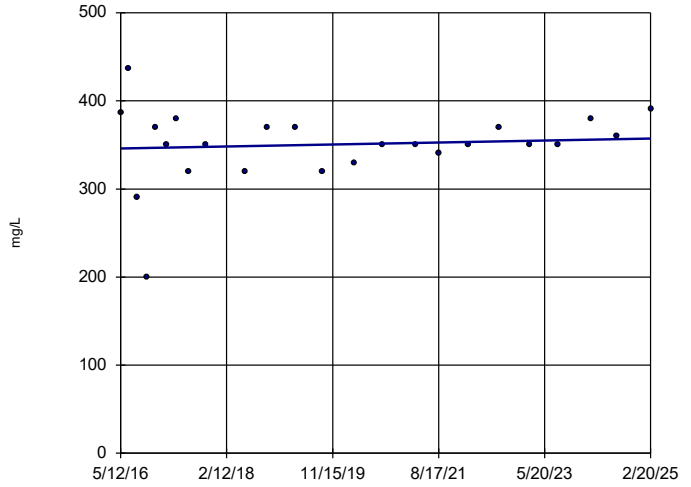
Constituent: TDS Analysis Run 4/17/2025 11:58 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-20



n = 24

Slope = 1.306 units per year.

Mann-Kendall statistic = 35 critical = 105

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

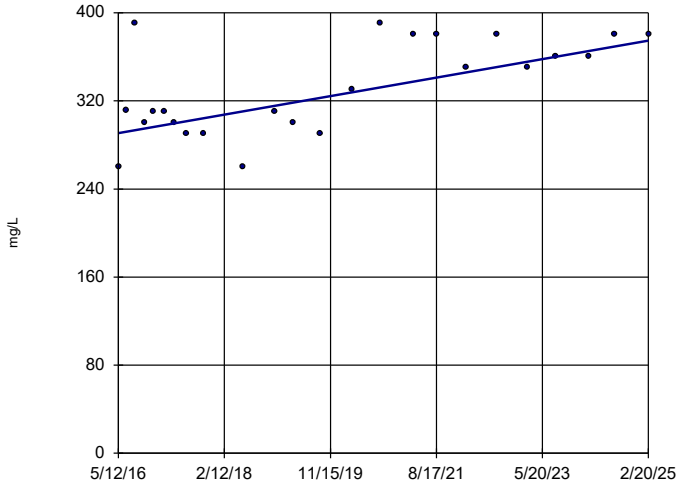
Constituent: TDS Analysis Run 4/17/2025 11:58 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-21



n = 24

Slope = 9.566 units per year.

Mann-Kendall statistic = 103 critical = 105

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

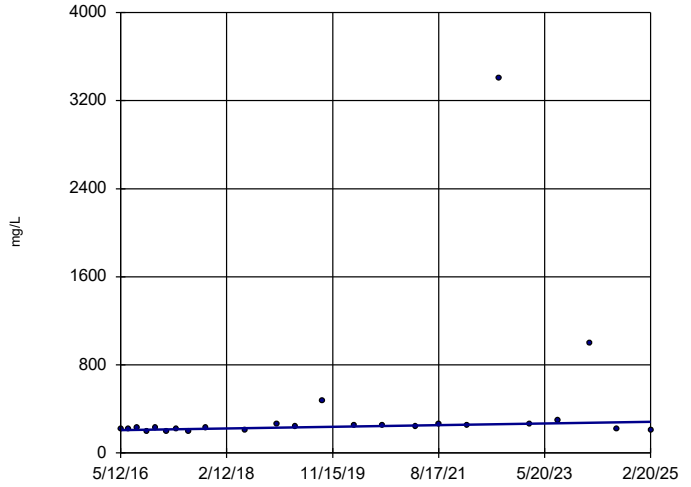
Constituent: TDS Analysis Run 4/17/2025 11:58 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-22



n = 24

Slope = 8.746 units per year.

Mann-Kendall statistic = 117 critical = 105

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

Constituent: TDS Analysis Run 4/17/2025 11:58 AM View: Appendix III Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE G.

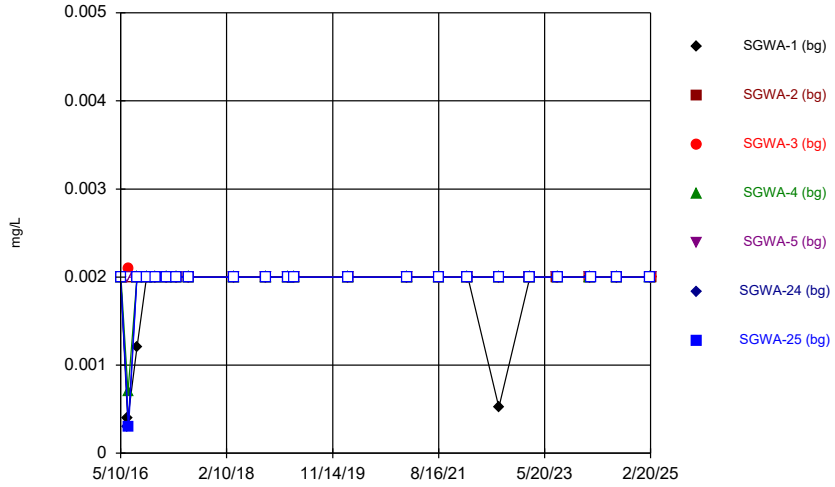
Upper Tolerance Limits Summary Table

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:26 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0021	154	n/a	n/a	95.45	n/a	n/a	0.0003711	NP Inter(NDs)
Arsenic (mg/L)	0.0015	189	n/a	n/a	88.36	n/a	n/a	NaN	NP Inter(NDs)
Barium (mg/L)	0.091	189	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Beryllium (mg/L)	0.0025	189	n/a	n/a	92.59	n/a	n/a	NaN	NP Inter(NDs)
Cadmium (mg/L)	0.0025	182	n/a	n/a	98.9	n/a	n/a	NaN	NP Inter(NDs)
Chromium (mg/L)	0.027	196	n/a	n/a	24.49	n/a	n/a	NaN	NP Inter(normality)
Cobalt (mg/L)	0.0025	163	n/a	n/a	77.3	n/a	n/a	0.0002339	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.66	189	n/a	n/a	0	n/a	n/a	NaN	NP Inter(normality)
Fluoride (mg/L)	0.2	195	n/a	n/a	57.95	n/a	n/a	NaN	NP Inter(NDs)
Lead (mg/L)	0.001	189	n/a	n/a	94.18	n/a	n/a	NaN	NP Inter(NDs)
Lithium (mg/L)	0.0051	189	n/a	n/a	84.66	n/a	n/a	NaN	NP Inter(NDs)
Mercury (mg/L)	0.0005	191	n/a	n/a	93.19	n/a	n/a	NaN	NP Inter(NDs)
Molybdenum (mg/L)	0.015	182	n/a	n/a	93.41	n/a	n/a	NaN	NP Inter(NDs)
Selenium (mg/L)	0.005	189	n/a	n/a	93.12	n/a	n/a	NaN	NP Inter(NDs)
Thallium (mg/L)	0.001	189	n/a	n/a	93.65	n/a	n/a	NaN	NP Inter(NDs)

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Hollow symbols indicate censored values.

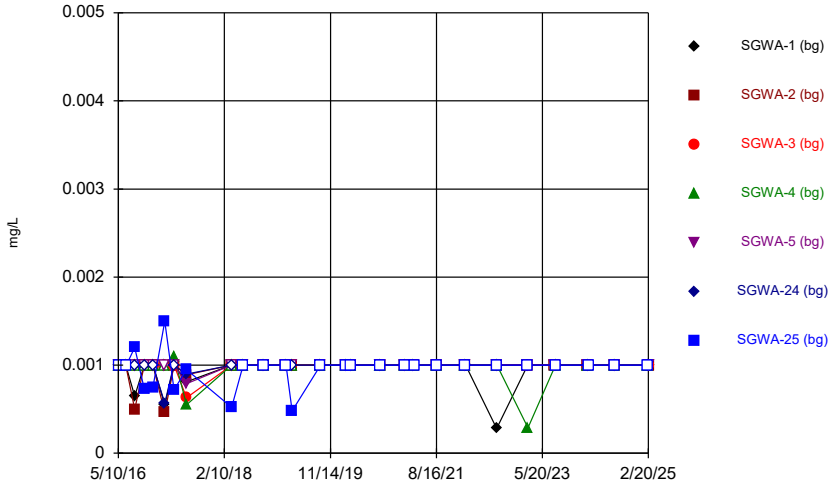
Time Series



Constituent: Antimony Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

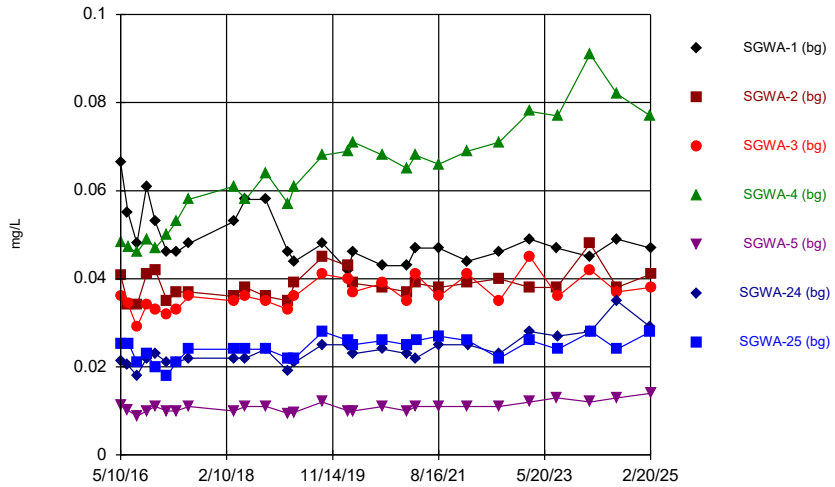
Time Series



Constituent: Arsenic Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

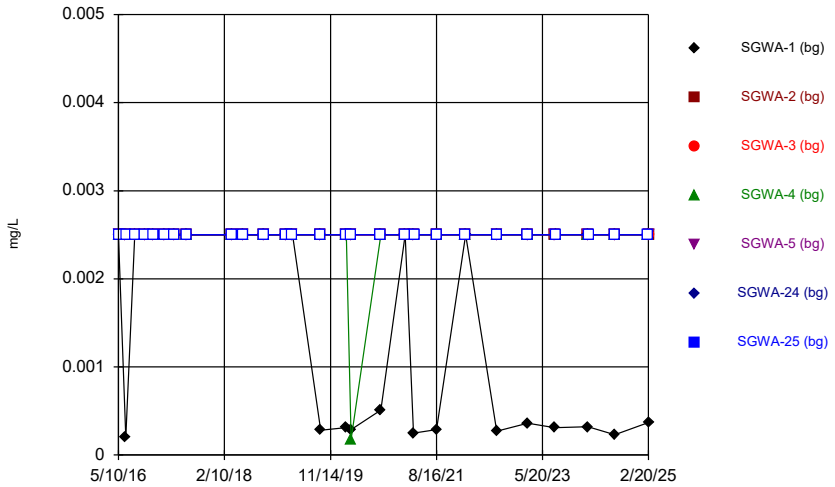
Time Series



Constituent: Barium Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

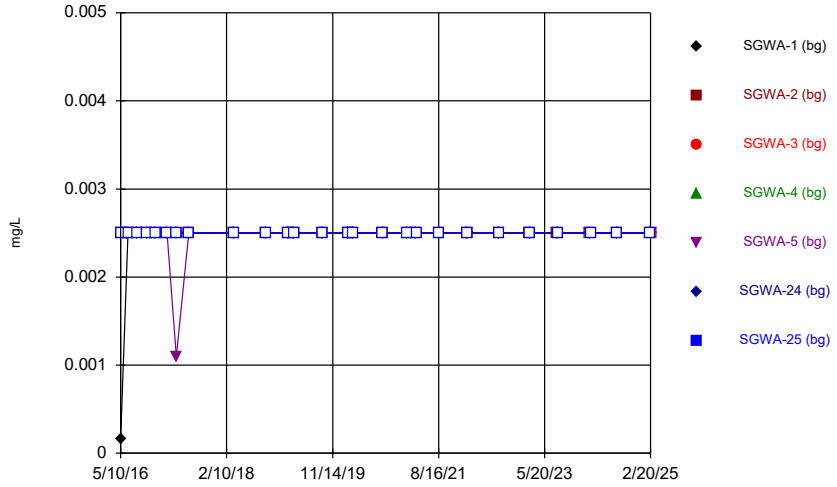
Time Series



Constituent: Beryllium Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

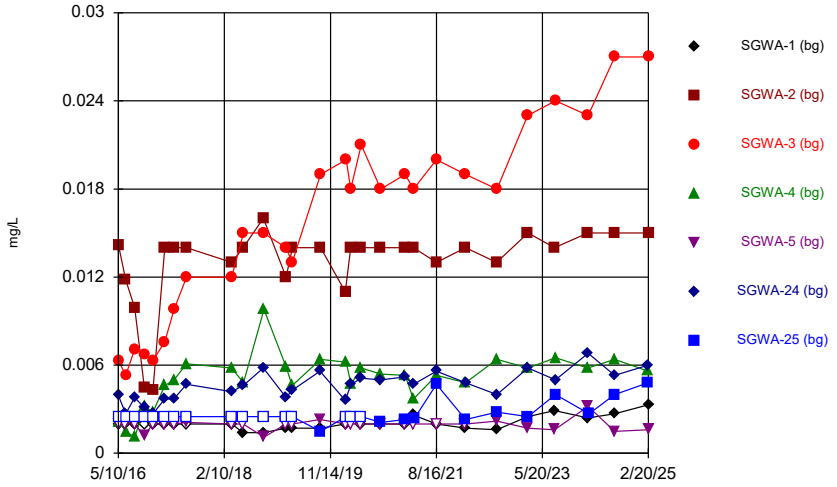
Time Series



Constituent: Cadmium Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

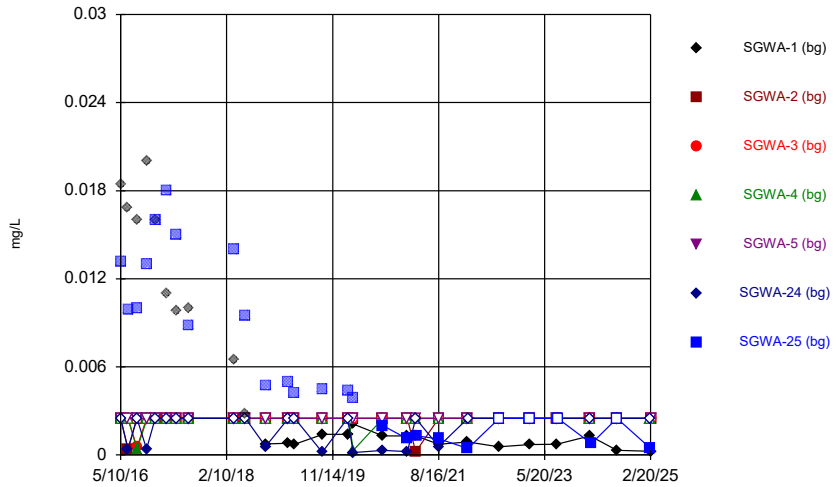
Time Series



Constituent: Chromium Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

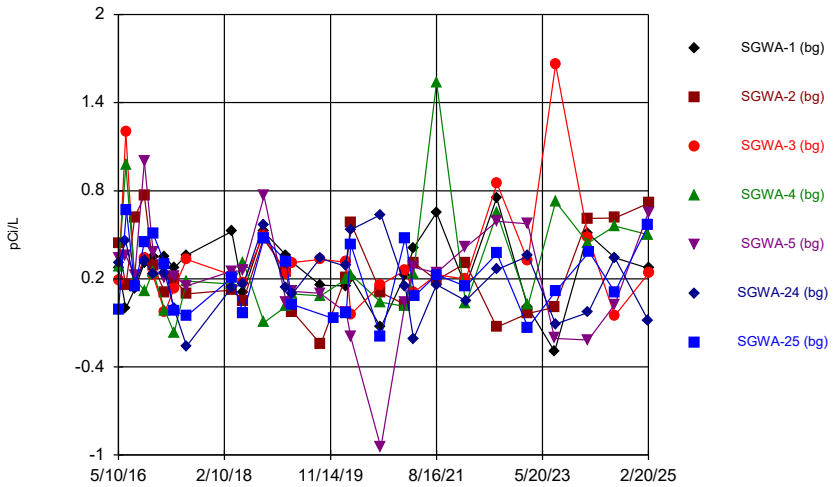
Time Series



Constituent: Cobalt Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

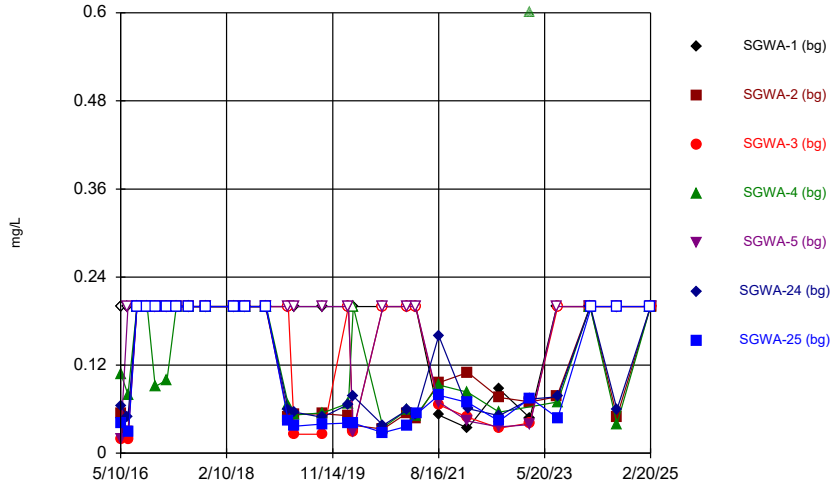
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

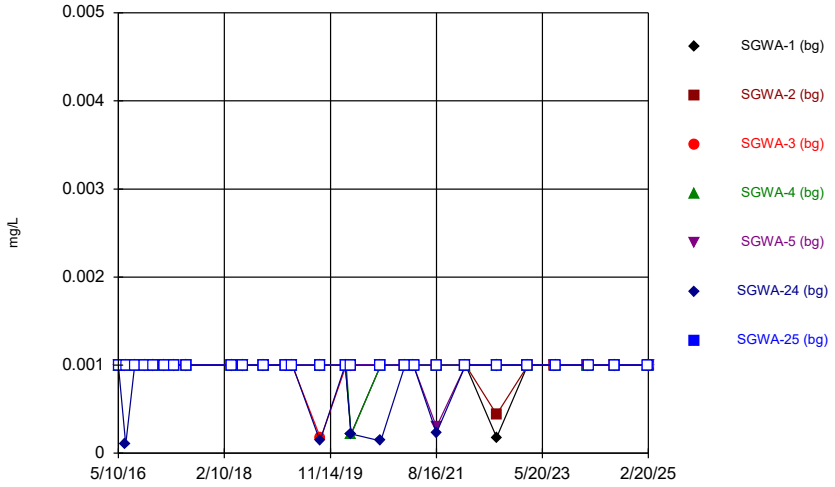
Time Series



Constituent: Fluoride Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

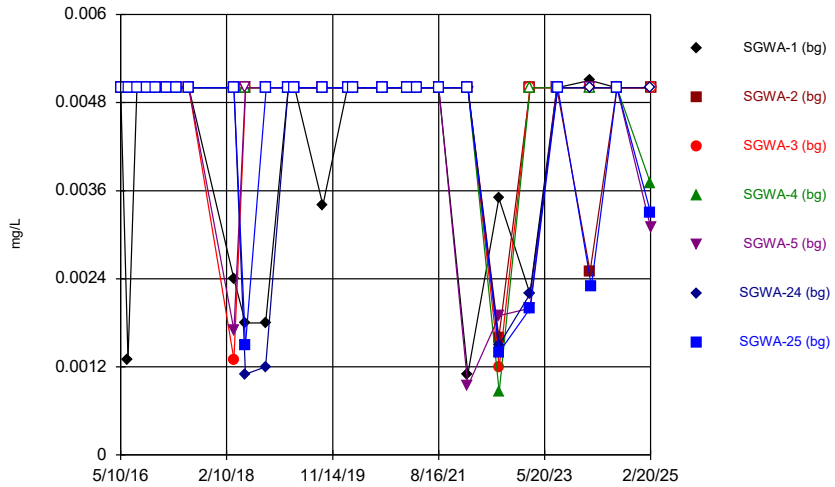
Time Series



Constituent: Lead Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

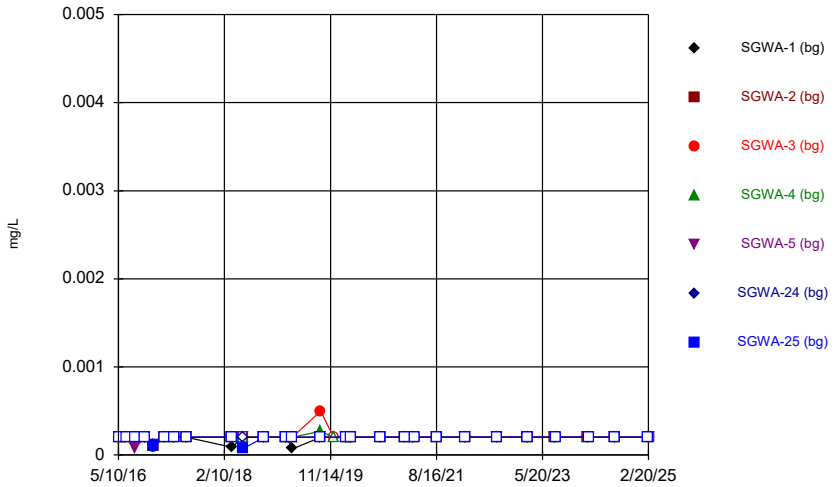
Time Series



Constituent: Lithium Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

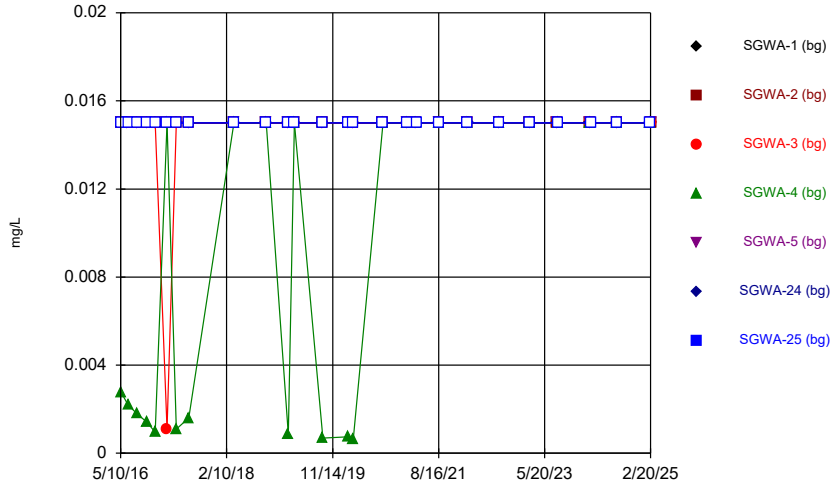
Time Series



Constituent: Mercury Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

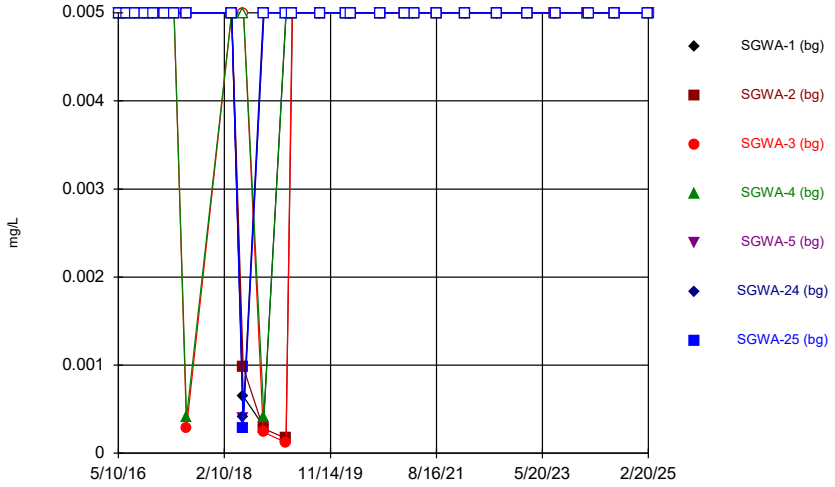
Time Series



Constituent: Molybdenum Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

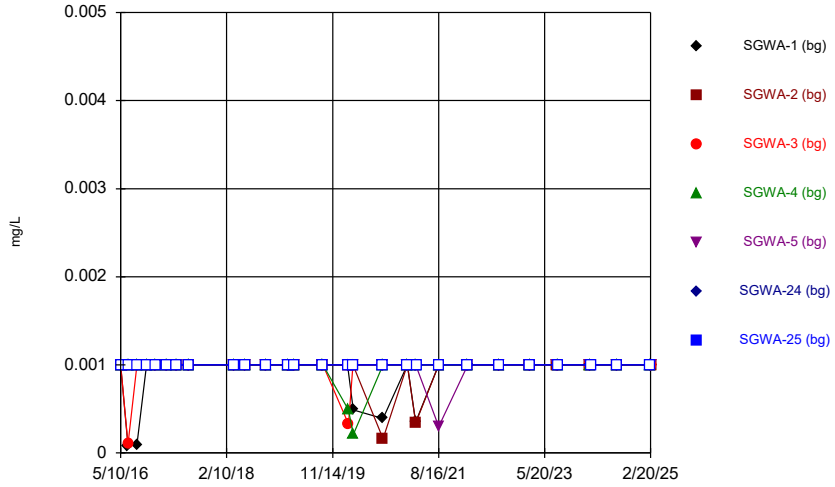
Time Series



Constituent: Selenium Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

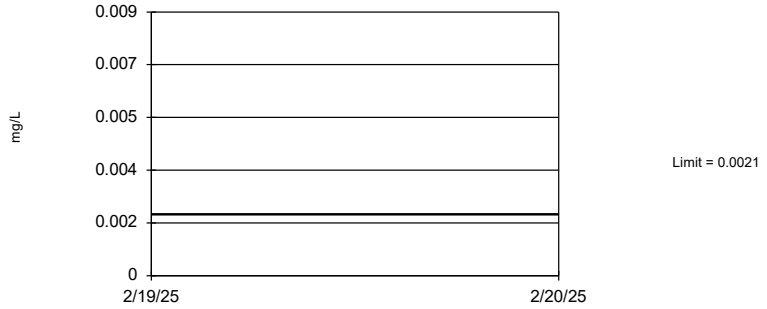


Constituent: Thallium Analysis Run 5/8/2025 5:24 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



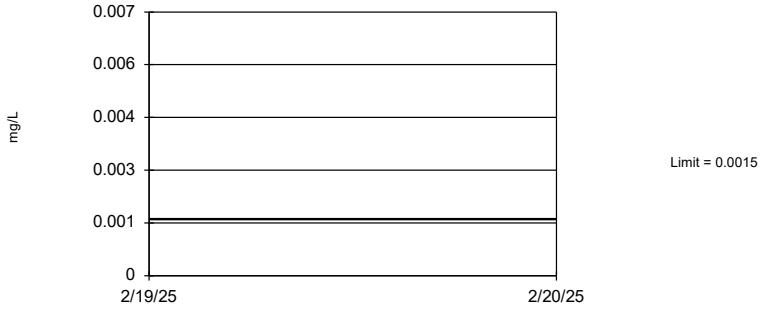
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 154 background values. 95.45% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0003711.

Constituent: Antimony Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



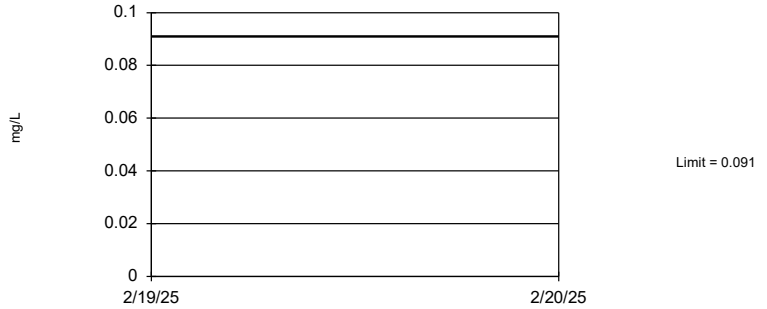
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 189 background values. 88.36% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Arsenic Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



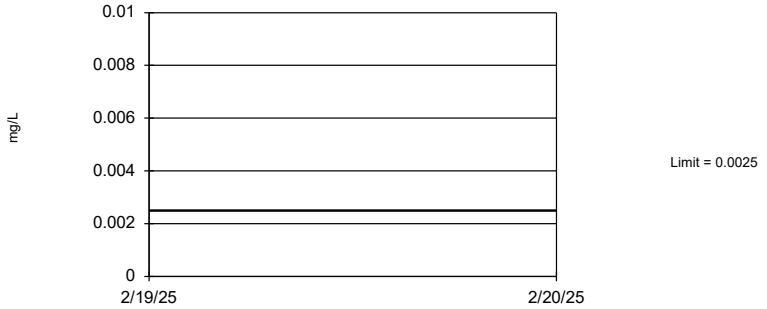
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 189 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Barium Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



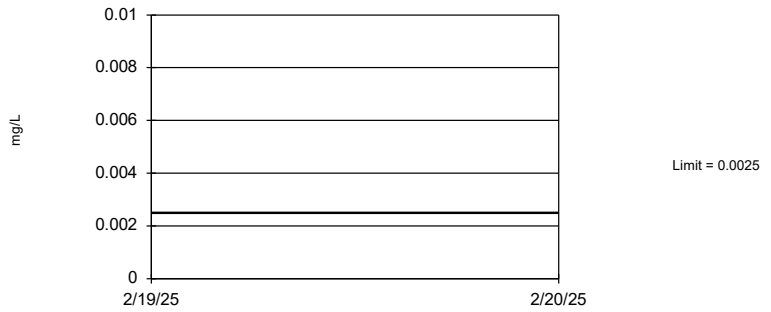
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 189 background values. 92.59% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Beryllium Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



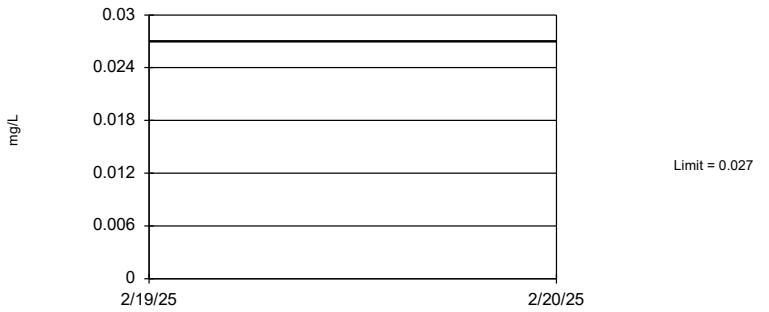
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 182 background values. 98.9% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Cadmium Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



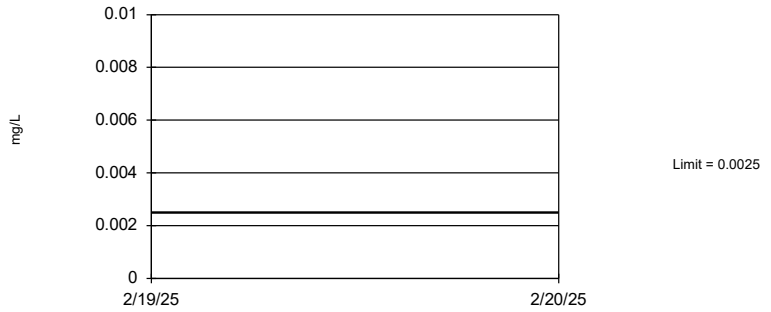
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 196 background values. 24.49% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Chromium Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



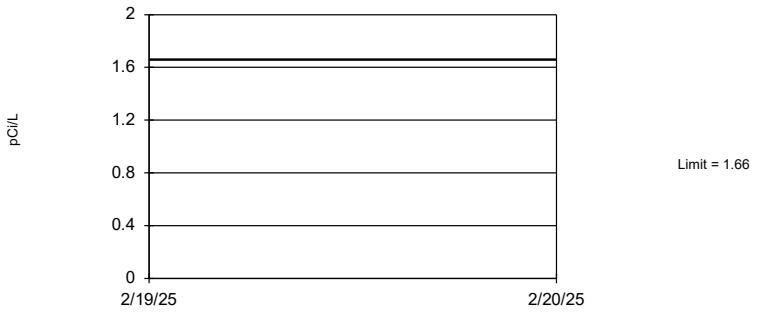
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 163 background values. 77.3% NDs. 97.07% coverage at alpha=0.01; 98.24% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0002339.

Constituent: Cobalt Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



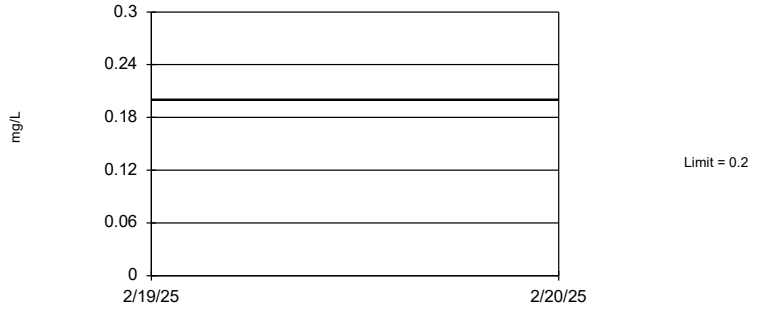
Non-parametric test used in lieu of parametric tolerance limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 189 background values. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Combined Radium 226 + 228 Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 195 background values. 57.95% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Fluoride Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



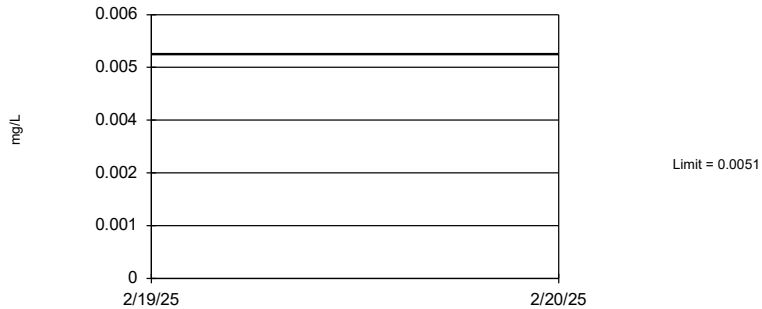
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 189 background values. 94.18% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lead Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



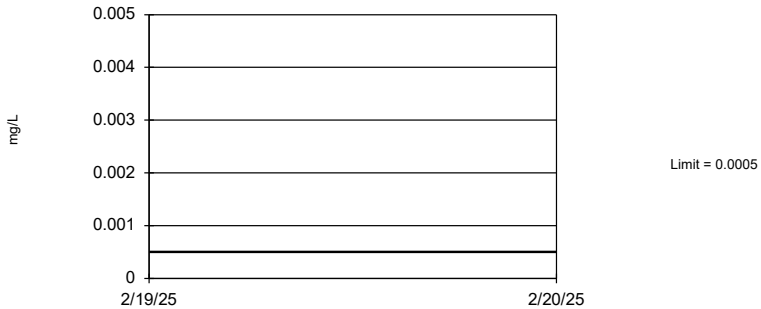
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 189 background values. 84.66% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Lithium Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



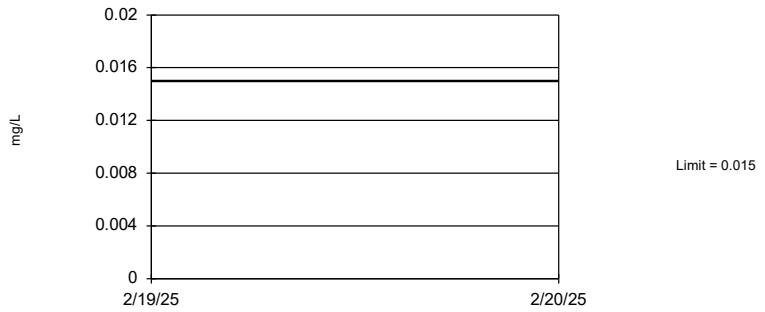
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 191 background values. 93.19% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Mercury Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

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. 93.41% 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 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



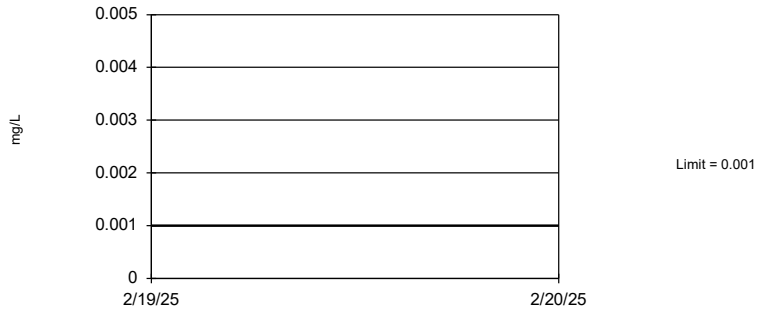
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 189 background values. 93.12% NDs. 99.8% coverage at alpha=0.01; 99.8% coverage at alpha=0.05; 99.8% coverage at alpha=0.5. Report alpha < 0.0001.

Constituent: Selenium Analysis Run 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

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 189 background values. 93.65% 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 5/8/2025 5:25 PM View: Upper Tolerance Limits
Plant Scherer Client: Southern Company Data: Scherer AP

FIGURE H.

SCHERER ASH POND GWPS				
Constituent Name	**MCL**	**CCR-Rule Specified**	**Background Limit**	**GWPS**
Antimony, Total (mg/L)	0.006		0.0021	0.006
Arsenic, Total (mg/L)	0.01		0.0015	0.01
Barium, Total (mg/L)	2		0.091	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		0.027	0.1
Cobalt, Total (mg/L)		0.006	0.0025	0.006
Combined Radium, Total (pCi/L)	5		1.66	5
Fluoride, Total (mg/L)	4		0.2	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.0051	0.04
Mercury, Total (mg/L)	0.002		0.0005	0.002
Molybdenum, Total (mg/L)		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

Grey cell indicates Background Limit is higher than MCL or CCR-Rule Specified Level

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

FIGURE I.

Appendix IV Confidence Intervals - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-10**	**0.02975**	**0.02249**	**0.006**	**Yes**	**27**	**0.02612**	**0.007607**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02648**	**0.02085**	**0.006**	**Yes**	**27**	**0.02367**	**0.005903**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-14**	**0.01095**	**0.007151**	**0.006**	**Yes**	**27**	**0.00905**	**0.003981**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2731**	**0.2552**	**0.006**	**Yes**	**27**	**0.2641**	**0.01872**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-18**	**0.1383**	**0.09971**	**0.006**	**Yes**	**28**	**0.119**	**0.04127**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-20**	**0.1984**	**0.1464**	**0.006**	**Yes**	**27**	**0.1724**	**0.05452**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	SGWC-7	0.002	0.0004	0.006	No	21	0.001924	0.0003491	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-10	0.002	0.0014	0.006	No	21	0.001971	0.0001309	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-13	0.002	0.0004	0.006	No	21	0.001924	0.0003491	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-18	0.002	0.0012	0.006	No	20	0.00196	0.0001789	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-19	0.0021	0.002	0.006	No	21	0.002005	0.00002182	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-20	0.002	0.0019	0.006	No	20	0.001995	0.00002236	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-21	0.002	0.0019	0.006	No	21	0.001995	0.00002182	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-22	0.0022	0.002	0.006	No	21	0.00201	0.00004364	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	SGWC-23	0.002	0.00098	0.006	No	21	0.001951	0.0002226	95.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	PZ-13S	0.002	0.00046	0.006	No	7	0.00178	0.0005821	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	PZ-17I	0.002	0.00061	0.006	No	7	0.001801	0.0005254	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	PZ-40I	0.002	0.00089	0.006	No	7	0.001841	0.0004195	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	PZ-42I	0.002	0.0009	0.006	No	7	0.001843	0.0004158	85.71	None	No	0.008	NP (NDs)
Arsenic (mg/L)	SGWC-6	0.001	0.0006	0.01	No	27	0.0009444	0.0001619	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-7	0.001	0.0009	0.01	No	27	0.0009141	0.0001769	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-8	0.001	0.001	0.01	No	27	0.0009174	0.0001864	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-9	0.001	0.0009	0.01	No	27	0.0008993	0.0001979	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-10	0.001	0.00074	0.01	No	27	0.0009567	0.0001293	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-11	0.00103	0.001	0.01	No	27	0.001004	0.00008692	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-12	0.001	0.001	0.01	No	27	0.0009174	0.0002182	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-13	0.001	0.00088	0.01	No	27	0.0009793	0.0001441	85.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-14	0.0012	0.0007	0.01	No	27	0.0009796	0.0001569	81.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-15	0.001418	0.0008969	0.01	No	27	0.001323	0.0005914	18.52	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	SGWC-16	0.001	0.00055	0.01	No	27	0.0009415	0.0001722	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-17	0.001	0.00075	0.01	No	27	0.0009344	0.0001626	77.78	Kaplan-Meier	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-18	0.002812	0.001697	0.01	No	28	0.002255	0.001194	3.571	None	No	0.01	Param.
Arsenic (mg/L)	SGWC-19	0.001	0.00068	0.01	No	27	0.0009726	0.00009971	92.59	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-20	0.001	0.00051	0.01	No	27	0.0008593	0.0003362	40.74	None	No	0.01	NP (normality)
Arsenic (mg/L)	SGWC-21	0.001	0.00076	0.01	No	27	0.0009911	0.00004619	96.3	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-22	0.001	0.00089	0.01	No	27	0.0008863	0.0002378	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	SGWC-23	0.001	0.00079	0.01	No	27	0.0009778	0.00008386	92.59	None	No	0.01	NP (NDs)
Arsenic (mg/L)	PZ-39S	0.0019	0.00028	0.01	No	8	0.001023	0.000435	75	None	No	0.004	NP (NDs)
Arsenic (mg/L)	PZ-42I	0.001	0.00049	0.01	No	8	0.0009363	0.0001803	87.5	None	No	0.004	NP (NDs)
Arsenic (mg/L)	PZ-69I	0.001	0.00059	0.01	No	7	0.0008614	0.0001786	57.14	None	No	0.008	NP (NDs)
Barium (mg/L)	SGWC-6	0.1217	0.08184	2	No	27	0.1018	0.04181	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-7	0.2833	0.2455	2	No	27	0.2644	0.03964	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-8	0.1843	0.1584	2	No	27	0.1713	0.02713	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-9	0.06263	0.05144	2	No	27	0.05703	0.01173	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-10	0.03381	0.02891	2	No	27	0.03136	0.005133	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-11	0.045	0.038	2	No	27	0.04371	0.008632	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-12	0.05602	0.04387	2	No	27	0.04994	0.01273	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-13	0.03663	0.02986	2	No	27	0.03324	0.007102	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-14	0.05589	0.04713	2	No	27	0.05151	0.009175	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-15	0.03603	0.03016	2	No	27	0.03309	0.006152	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-16	0.03285	0.02265	2	No	27	0.02851	0.01158	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-17	0.02465	0.02052	2	No	27	0.02259	0.004338	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-18	0.02107	0.01416	2	No	28	0.0182	0.007827	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-19	0.03767	0.03005	2	No	27	0.03386	0.007985	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-20	0.03051	0.0236	2	No	27	0.02741	0.007686	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	SGWC-21	0.12	0.092	2	No	27	0.1034	0.01406	0	None	No	0.01	NP (normality)
Barium (mg/L)	SGWC-22	0.08756	0.07867	2	No	27	0.08311	0.009323	0	None	No	0.01	Param.
Barium (mg/L)	SGWC-23	0.085	0.06	2	No	27	0.07228	0.01372	0	None	No	0.01	NP (normality)
Barium (mg/L)	PZ-13S	0.04993	0.04236	2	No	7	0.04614	0.003185	0	None	No	0.01	Param.
Barium (mg/L)	PZ-14S	0.03683	0.03229	2	No	9	0.03456	0.002351	0	None	No	0.01	Param.
Barium (mg/L)	PZ-17I	0.06477	0.05523	2	No	8	0.06	0.004504	0	None	No	0.01	Param.
Barium (mg/L)	PZ-39S	0.0445	0.03421	2	No	8	0.03875	0.007924	0	None	x^4	0.01	Param.
Barium (mg/L)	PZ-40I	0.089	0.033	2	No	8	0.04563	0.01888	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-41S	0.059	0.023	2	No	9	0.02922	0.01149	0	None	No	0.002	NP (normality)
Barium (mg/L)	PZ-42I	0.1	0.047	2	No	8	0.05725	0.01746	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-43S	0.12	0.07	2	No	8	0.0805	0.01663	0	None	No	0.004	NP (normality)

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	PZ-44I	0.014	0.0078	2	No	8	0.009475	0.002025	0	None	No	0.004	NP (normality)
Barium (mg/L)	PZ-69I	0.1939	0.1376	2	No	7	0.1657	0.0237	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-6	0.0025	0.0002	0.004	No	27	0.002415	0.0004426	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-7	0.0025	0.00033	0.004	No	27	0.00242	0.0004176	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-8	0.0025	0.0003	0.004	No	27	0.002333	0.000602	92.59	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-10	0.0025	0.00026	0.004	No	27	0.002417	0.0004311	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-14	0.0025	0.00053	0.004	No	27	0.002342	0.0005716	92.59	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-15	0.00052	0.00038	0.004	No	27	0.0005163	0.0002731	11.11	None	No	0.01	NP (normality)
Beryllium (mg/L)	SGWC-17	0.0025	0.00028	0.004	No	27	0.002418	0.0004272	96.3	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-18	0.0025	0.00035	0.004	No	28	0.00157	0.001094	57.14	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-19	0.0025	0.00022	0.004	No	27	0.001986	0.0009794	77.78	None	No	0.01	NP (NDs)
Beryllium (mg/L)	SGWC-20	0.0008241	0.0006656	0.004	No	27	0.0007449	0.0001661	0	None	No	0.01	Param.
Beryllium (mg/L)	SGWC-22	0.0025	0.00033	0.004	No	27	0.00242	0.0004176	96.3	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-6	0.0025	0.00022	0.005	No	26	0.002412	0.0004471	96.15	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-8	0.0025	0.00031	0.005	No	26	0.002416	0.0004295	96.15	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-11	0.0025	0.00022	0.005	No	26	0.002412	0.0004471	96.15	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-14	0.0025	0.00057	0.005	No	26	0.002058	0.0009276	80.77	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-15	0.00047	0.00027	0.005	No	26	0.0009906	0.001028	30.77	None	No	0.01	NP (normality)
Cadmium (mg/L)	SGWC-18	0.0025	0.00032	0.005	No	26	0.001717	0.001099	65.38	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-19	0.0025	0.00036	0.005	No	26	0.002325	0.000618	92.31	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-20	0.0025	0.00015	0.005	No	26	0.002041	0.0009584	80.77	None	No	0.01	NP (NDs)
Cadmium (mg/L)	SGWC-21	0.0025	0.00039	0.005	No	26	0.002419	0.0004138	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-7	0.002	0.002	0.1	No	27	0.002	0.0001664	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-8	0.0023	0.0016	0.1	No	27	0.004107	0.01021	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	SGWC-9	0.0039	0.0017	0.1	No	27	0.002059	0.0003724	92.59	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-10	0.002	0.0012	0.1	No	27	0.00197	0.000154	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-12	0.0023	0.002	0.1	No	27	0.002011	0.00005774	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-13	0.002	0.0017	0.1	No	27	0.001989	0.00005774	96.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-14	0.002	0.0016	0.1	No	27	0.001993	0.000998	62.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-15	0.03472	0.03257	0.1	No	27	0.03364	0.002252	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-16	0.01225	0.01041	0.1	No	27	0.01133	0.001929	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-17	0.007298	0.004902	0.1	No	27	0.0061	0.002511	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-18	0.009957	0.007939	0.1	No	28	0.009161	0.002491	0	None	ln(x)	0.01	Param.
Chromium (mg/L)	SGWC-19	0.0157	0.01439	0.1	No	27	0.01504	0.00137	0	None	No	0.01	Param.
Chromium (mg/L)	SGWC-20	0.0022	0.0016	0.1	No	27	0.001915	0.0003022	77.78	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-21	0.002	0.002	0.1	No	27	0.00193	0.0002072	77.78	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-22	0.0022	0.0015	0.1	No	27	0.001889	0.0004526	59.26	None	No	0.01	NP (NDs)
Chromium (mg/L)	SGWC-23	0.001813	0.00136	0.1	No	27	0.001889	0.0004309	33.33	Kaplan-Meier	No	0.01	Param.
Chromium (mg/L)	PZ-13S	0.00419	0.002467	0.1	No	7	0.003329	0.0007251	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-14S	0.002604	0.001752	0.1	No	9	0.002178	0.000441	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-17I	0.004322	0.002803	0.1	No	8	0.003563	0.000717	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-39S	0.03004	0.01138	0.1	No	8	0.02071	0.008801	0	None	No	0.01	Param.
Chromium (mg/L)	PZ-41S	0.0059	0.00125	0.1	No	9	0.005128	0.001493	11.11	None	No	0.002	NP (normality)
Chromium (mg/L)	PZ-42I	0.003	0.0012	0.1	No	8	0.002025	0.0004833	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	PZ-43S	0.002	0.0012	0.1	No	8	0.0019	0.0002828	50	None	No	0.004	NP (normality)
Chromium (mg/L)	PZ-44I	0.0046	0.0013	0.1	No	8	0.002238	0.0009855	75	None	No	0.004	NP (NDs)
Cobalt (mg/L)	SGWC-6	0.0025	0.0016	0.006	No	27	0.002046	0.001083	48.15	None	No	0.01	NP (normality)
Cobalt (mg/L)	SGWC-7	0.008606	0.003681	0.006	No	27	0.006144	0.005163	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-8	0.0025	0.0012	0.006	No	27	0.001977	0.0009328	70.37	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-9	0.013	0.00072	0.006	No	27	0.007037	0.006034	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-10**	**0.02975**	**0.02249**	**0.006**	**Yes**	**27**	**0.02612**	**0.007607**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-11**	**0.02648**	**0.02085**	**0.006**	**Yes**	**27**	**0.02367**	**0.005903**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-12	0.003441	0.002142	0.006	No	27	0.002791	0.001362	0	None	No	0.01	Param.
Cobalt (mg/L)	SGWC-13	0.0073	0.0019	0.006	No	27	0.004444	0.003599	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-14**	**0.01095**	**0.007151**	**0.006**	**Yes**	**27**	**0.00905**	**0.003981**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**SGWC-15**	**0.2731**	**0.2552**	**0.006**	**Yes**	**27**	**0.2641**	**0.01872**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-16	0.005219	0.003843	0.006	No	27	0.004616	0.001552	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-17	0.0007	0.00043	0.006	No	27	0.0006174	0.0003008	14.81	None	No	0.01	NP (normality)
Cobalt (mg/L)	**SGWC-18**	**0.1383**	**0.09971**	**0.006**	**Yes**	**28**	**0.119**	**0.04127**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-19	0.0025	0.00049	0.006	No	27	0.001653	0.001058	59.26	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	**SGWC-20**	**0.1984**	**0.1464**	**0.006**	**Yes**	**27**	**0.1724**	**0.05452**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	SGWC-21	0.0025	0.00017	0.006	No	27	0.001804	0.001093	70.37	None	No	0.01	NP (NDs)
Cobalt (mg/L)	SGWC-22	0.002666	0.001431	0.006	No	27	0.002203	0.001448	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	SGWC-23	0.0025	0.00013	0.006	No	27	0.002412	0.0004561	96.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	PZ-13S	0.006288	0.004752	0.006	No	10	0.00552	0.0008613	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-14S	0.0025	0.00019	0.006	No	11	0.0006891	0.0008994	18.18	None	No	0.006	NP (normality)
Cobalt (mg/L)	PZ-39S	0.0025	0.00028	0.006	No	10	0.001415	0.001146	50	None	No	0.011	NP (normality)
Cobalt (mg/L)	PZ-40I	0.003835	0.0008346	0.006	No	8	0.002348	0.002243	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-41S	0.002096	0.0003762	0.006	No	11	0.001616	0.002558	9.091	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-42I	0.002213	0.0002301	0.006	No	8	0.001349	0.002078	12.5	None	ln(x)	0.01	Param.
Cobalt (mg/L)	PZ-43S	0.0025	0.00097	0.006	No	10	0.002732	0.002213	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	PZ-44I	0.00246	0.00154	0.006	No	8	0.002	0.0004342	0	None	No	0.01	Param.
Cobalt (mg/L)	PZ-69I	0.00319	0.001582	0.006	No	7	0.002386	0.0006768	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-6	0.3692	0.1624	5	No	27	0.2658	0.2168	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-7	0.4923	0.2802	5	No	27	0.3863	0.2224	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-8	2.378	1.837	5	No	27	2.108	0.5677	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-9	0.3622	0.1554	5	No	27	0.2588	0.2167	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-10	0.47	0.102	5	No	27	0.3223	0.3372	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-11	0.508	0.1896	5	No	27	0.3488	0.3338	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-12	0.4349	0.1765	5	No	27	0.3057	0.2708	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-13	0.4293	0.2022	5	No	27	0.3157	0.238	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-14	0.3383	0.09009	5	No	27	0.2142	0.2601	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-15	0.4903	0.2877	5	No	27	0.389	0.2124	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-16	0.3383	0.1269	5	No	27	0.2326	0.2215	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-17	0.3762	0.1905	5	No	27	0.2833	0.1946	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-18	0.433	0.139	5	No	28	0.3213	0.3402	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-19	0.419	0.114	5	No	27	0.2724	0.3349	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-20	0.513	0.2486	5	No	27	0.3808	0.2772	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-21	0.593	0.239	5	No	27	0.5284	0.4825	0	None	No	0.01	NP (normality)
Combined Radium 226 + 228 (pCi/L)	SGWC-22	0.4434	0.1654	5	No	27	0.3587	0.3835	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	SGWC-23	0.5986	0.3623	5	No	27	0.4805	0.2476	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-13S	0.2311	-0.0771	5	No	7	0.077	0.1297	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-14S	0.4233	0.1213	5	No	9	0.2723	0.1564	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-17I	1.972	-0.001201	5	No	9	0.89	1.865	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-39S	0.535	-0.002713	5	No	8	0.2662	0.2537	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-40I	1.477	0.1771	5	No	8	0.8269	0.613	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-41S	0.4964	-0.06232	5	No	9	0.217	0.2893	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-42I	0.8268	0.1377	5	No	8	0.4663	0.3925	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-43S	0.9349	0.07654	5	No	8	0.4794	0.506	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-44I	1.026	-0.001786	5	No	8	0.3456	0.4649	0	None	x^(1/3)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	PZ-69I	0.8086	0.07166	5	No	7	0.4401	0.3102	0	None	No	0.01	Param.
Fluoride (mg/L)	SGWC-6	0.1219	0.09328	4	No	28	0.1398	0.04474	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	SGWC-7	0.2239	0.1779	4	No	28	0.2009	0.04929	3.571	None	No	0.01	Param.
Fluoride (mg/L)	SGWC-8	0.5239	0.372	4	No	28	0.459	0.1766	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	SGWC-9	0.09532	0.05954	4	No	28	0.1445	0.0963	42.86	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	SGWC-10	0.2	0.047	4	No	28	0.1704	0.06474	82.14	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-11	0.2	0.08	4	No	28	0.1739	0.05762	82.14	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-12	0.08978	0.06377	4	No	28	0.1133	0.05816	25	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	SGWC-13	0.2	0.077	4	No	28	0.1542	0.07077	67.86	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-14	0.2	0.068	4	No	28	0.1535	0.07513	71.43	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-15	0.14	0.11	4	No	28	0.1332	0.0497	10.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	SGWC-16	0.2	0.09	4	No	28	0.1609	0.06992	75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-17	0.2	0.058	4	No	28	0.1226	0.07246	42.86	None	No	0.01	NP (normality)
Fluoride (mg/L)	SGWC-18	0.2	0.099	4	No	29	0.1528	0.06689	62.07	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-19	0.2	0.18	4	No	28	0.1763	0.05749	82.14	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-20	0.2371	0.1664	4	No	28	0.2018	0.07564	10.71	None	No	0.01	Param.
Fluoride (mg/L)	SGWC-21	0.2	0.079	4	No	28	0.1278	0.0585	35.71	None	No	0.01	NP (normality)
Fluoride (mg/L)	SGWC-22	0.2	0.1	4	No	28	0.1573	0.06995	71.43	None	No	0.01	NP (NDs)
Fluoride (mg/L)	SGWC-23	0.2	0.052	4	No	28	0.1173	0.06999	39.29	None	No	0.01	NP (normality)
Fluoride (mg/L)	PZ-13S	0.2	0.042	4	No	7	0.1587	0.07094	71.43	None	No	0.008	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	PZ-14S	0.2	0.029	4	No	9	0.1636	0.0724	77.78	None	No	0.002	NP (NDs)
Fluoride (mg/L)	PZ-17I	0.2	0.028	4	No	8	0.1219	0.08382	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	PZ-39S	0.2	0.04	4	No	8	0.129	0.07721	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	PZ-40I	0.2	0.036	4	No	8	0.1604	0.07343	75	None	No	0.004	NP (NDs)
Fluoride (mg/L)	PZ-41S	0.2	0.035	4	No	9	0.1661	0.06754	77.78	None	No	0.002	NP (NDs)
Fluoride (mg/L)	PZ-42I	0.07964	0.03768	4	No	8	0.1114	0.07525	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	PZ-43S	0.2	0.028	4	No	8	0.1384	0.08514	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Fluoride (mg/L)	PZ-44I	0.2	0.031	4	No	8	0.1581	0.07754	75	Kaplan-Meier	No	0.004	NP (NDs)
Fluoride (mg/L)	PZ-69I	0.21	0.083	4	No	7	0.1614	0.05574	42.86	None	No	0.008	NP (normality)
Lead (mg/L)	SGWC-6	0.001	0.00054	0.015	No	27	0.0009533	0.0001746	92.59	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-7	0.001	0.00085	0.015	No	27	0.0009311	0.0002284	88.89	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-8	0.001	0.00062	0.015	No	27	0.0009596	0.0001525	92.59	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-10	0.001	0.00014	0.015	No	27	0.0009037	0.0002776	88.89	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-12	0.001	0.0002	0.015	No	27	0.0009704	0.000154	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-13	0.001	0.00039	0.015	No	27	0.0009544	0.0001641	92.59	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-14	0.001	0.00066	0.015	No	27	0.0009296	0.0002154	88.89	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-15	0.001	0.00023	0.015	No	27	0.0009715	0.0001482	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-16	0.001	0.00013	0.015	No	27	0.0009678	0.0001674	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-17	0.001	0.00017	0.015	No	27	0.0009693	0.0001597	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-18	0.001	0.00071	0.015	No	28	0.0009643	0.000143	92.86	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-19	0.001	0.00033	0.015	No	27	0.0009752	0.0001289	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-20	0.001	0.00027	0.015	No	27	0.000657	0.0003682	51.85	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-21	0.001	0.00041	0.015	No	27	0.0009622	0.0008186	74.07	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-22	0.001	0.00019	0.015	No	27	0.0008463	0.0003286	81.48	None	No	0.01	NP (NDs)
Lead (mg/L)	SGWC-23	0.001	0.00009	0.015	No	27	0.0009663	0.0001751	96.3	None	No	0.01	NP (NDs)
Lead (mg/L)	PZ-13S	0.001	0.00069	0.015	No	7	0.0009557	0.0001172	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	PZ-42I	0.001	0.00019	0.015	No	8	0.0008988	0.0002864	87.5	None	No	0.004	NP (NDs)
Lithium (mg/L)	SGWC-6	0.005	0.0046	0.04	No	27	0.004711	0.0008746	85.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-7	0.005198	0.004061	0.04	No	27	0.00463	0.001192	3.704	None	No	0.01	Param.
Lithium (mg/L)	SGWC-8	0.005	0.0023	0.04	No	27	0.00407	0.001477	70.37	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-9	0.005	0.0014	0.04	No	27	0.004867	0.0006928	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-10	0.005	0.0011	0.04	No	27	0.004856	0.0007506	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-11	0.005	0.0031	0.04	No	27	0.004144	0.001332	59.26	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-12	0.005	0.0012	0.04	No	27	0.004715	0.001028	92.59	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-13	0.005	0.0026	0.04	No	27	0.004544	0.00114	85.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-14	0.005	0.0035	0.04	No	27	0.004563	0.001126	85.19	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-15	0.005	0.0034	0.04	No	27	0.004126	0.000969	48.15	None	No	0.01	NP (normality)
Lithium (mg/L)	SGWC-16	0.005	0.0038	0.04	No	27	0.004685	0.0009894	88.89	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-17	0.005	0.0014	0.04	No	27	0.004867	0.0006928	96.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-18	0.00465	0.003707	0.04	No	28	0.004629	0.0009083	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	SGWC-19	0.0072	0.0027	0.04	No	27	0.005293	0.003233	70.37	Kaplan-Meier	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-20	0.004603	0.003523	0.04	No	27	0.004063	0.001133	14.81	None	No	0.01	Param.
Lithium (mg/L)	SGWC-21	0.005	0.0038	0.04	No	27	0.004411	0.001221	77.78	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-22	0.005	0.0033	0.04	No	27	0.004436	0.00127	81.48	None	No	0.01	NP (NDs)
Lithium (mg/L)	SGWC-23	0.005	0.0034	0.04	No	27	0.004144	0.0009846	40.74	None	No	0.01	NP (normality)
Lithium (mg/L)	PZ-13S	0.005	0.0023	0.04	No	7	0.004014	0.001267	57.14	None	No	0.008	NP (NDs)
Lithium (mg/L)	PZ-14S	0.005	0.0015	0.04	No	11	0.0039	0.0016	63.64	None	No	0.006	NP (NDs)
Lithium (mg/L)	PZ-17I	0.005	0.0016	0.04	No	8	0.004162	0.001551	75	None	No	0.004	NP (NDs)
Lithium (mg/L)	PZ-39S	0.01448	0.002234	0.04	No	8	0.008062	0.006614	12.5	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-40I	0.01349	0.008107	0.04	No	8	0.0108	0.002541	0	None	No	0.01	Param.
Lithium (mg/L)	PZ-41S	0.0057	0.00099	0.04	No	9	0.004399	0.001489	66.67	None	No	0.002	NP (NDs)
Lithium (mg/L)	PZ-42I	0.028	0.0025	0.04	No	8	0.007187	0.008518	12.5	None	No	0.004	NP (normality)
Lithium (mg/L)	PZ-43S	0.004556	0.002344	0.04	No	8	0.003837	0.001203	25	Kaplan-Meier	No	0.01	Param.
Lithium (mg/L)	PZ-44I	0.03617	0.008255	0.04	No	12	0.02342	0.02114	8.333	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	PZ-69I	0.005	0.0025	0.04	No	7	0.003929	0.0012	42.86	None	No	0.008	NP (normality)
Mercury (mg/L)	SGWC-6	0.0002	0.00011	0.002	No	27	0.0001967	0.00001732	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-7	0.0002	0.00011	0.002	No	27	0.0001967	0.00001732	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-8	0.0002	0.000076	0.002	No	27	0.0001954	0.00002386	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-9	0.0002	0.0001	0.002	No	27	0.0001963	0.00001925	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-10	0.0002	0.00013	0.002	No	27	0.0001974	0.00001347	96.3	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

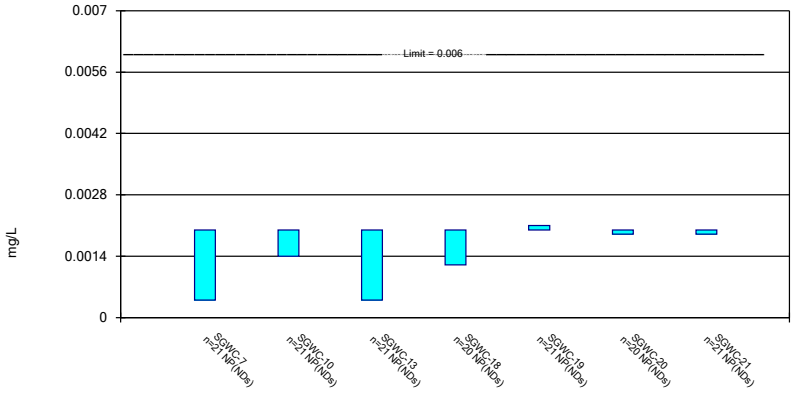
Plant Scherer Client: Southern Company Data: Scherer AP Printed 5/8/2025, 5:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	SGWC-11	0.0002	0.0001	0.002	No	27	0.0001963	0.00001925	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-12	0.0002	0.000093	0.002	No	27	0.000196	0.00002059	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-13	0.0002	0.00011	0.002	No	27	0.0001967	0.00001732	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-14	0.0002	0.00012	0.002	No	27	0.0001848	0.00003755	81.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-15	0.0002	0.00012	0.002	No	27	0.000155	0.00004467	40.74	None	No	0.01	NP (normality)
Mercury (mg/L)	SGWC-16	0.0002	0.000076	0.002	No	27	0.0001954	0.00002386	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-17	0.0002	0.00017	0.002	No	27	0.0001814	0.00003788	77.78	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-18	0.0001824	0.0001241	0.002	No	28	0.0001814	0.00004614	39.29	Kaplan-Meier	x^3	0.01	Param.
Mercury (mg/L)	SGWC-20	0.0002	0.00013	0.002	No	27	0.0001883	0.00003468	88.89	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-21	0.0002	0.0001	0.002	No	27	0.0001963	0.00001925	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-22	0.0002	0.000099	0.002	No	27	0.0001963	0.00001944	96.3	None	No	0.01	NP (NDs)
Mercury (mg/L)	SGWC-23	0.0002	0.00011	0.002	No	27	0.0001915	0.00003788	85.19	None	No	0.01	NP (NDs)
Mercury (mg/L)	PZ-13S	0.0004163	0.00009181	0.002	No	7	0.0002409	0.0002042	0	None	ln(x)	0.01	Param.
Mercury (mg/L)	PZ-44I	0.0002	0.000084	0.002	No	8	0.0001855	0.00004101	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	SGWC-6	0.015	0.00099	0.1	No	26	0.01391	0.003847	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-7	0.0033	0.0012	0.1	No	26	0.004209	0.005416	19.23	None	No	0.01	NP (normality)
Molybdenum (mg/L)	SGWC-8	0.015	0.0008	0.1	No	26	0.0139	0.003868	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-9	0.015	0.001	0.1	No	26	0.01016	0.006788	65.38	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-12	0.015	0.0012	0.1	No	26	0.01393	0.003764	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-14	0.015	0.003	0.1	No	26	0.01399	0.003572	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	SGWC-23	0.015	0.00062	0.1	No	26	0.01445	0.00282	96.15	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	PZ-39S	0.0075	0.00087	0.1	No	7	0.001994	0.002431	14.29	None	No	0.008	NP (normality)
Molybdenum (mg/L)	PZ-40I	0.015	0.00079	0.1	No	7	0.01297	0.005371	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	PZ-42I	0.00859	0.005478	0.1	No	7	0.007	0.001374	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	PZ-69I	0.015	0.00069	0.1	No	7	0.007043	0.00745	42.86	None	No	0.008	NP (normality)
Selenium (mg/L)	SGWC-6	0.005	0.00057	0.05	No	27	0.00449	0.00147	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-7	0.005	0.00034	0.05	No	27	0.004827	0.0008968	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-11	0.005	0.00046	0.05	No	27	0.004832	0.0008737	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-12	0.005	0.00031	0.05	No	27	0.004826	0.0009026	96.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-13	0.005	0.00064	0.05	No	27	0.004664	0.00121	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-14	0.005	0.00084	0.05	No	27	0.004685	0.001135	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-15	0.005	0.0021	0.05	No	27	0.0044	0.002423	51.85	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-16	0.005	0.0013	0.05	No	27	0.003718	0.001864	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-17	0.005	0.00064	0.05	No	27	0.004487	0.001479	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-18	0.007215	0.003178	0.05	No	28	0.007137	0.007397	10.71	None	ln(x)	0.01	Param.
Selenium (mg/L)	SGWC-19	0.005	0.00099	0.05	No	27	0.004373	0.001534	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-20	0.005	0.00396	0.05	No	27	0.004054	0.001694	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	SGWC-23	0.005	0.00075	0.05	No	27	0.004317	0.001672	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	PZ-17I	0.005	0.00047	0.05	No	8	0.004434	0.001602	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-39S	0.001965	0.00105	0.05	No	8	0.002425	0.001629	25	Kaplan-Meier	ln(x)	0.01	Param.
Selenium (mg/L)	PZ-40I	0.005	0.00059	0.05	No	8	0.004449	0.001559	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-41S	0.007043	0.005179	0.05	No	9	0.006111	0.0009649	0	None	No	0.01	Param.
Selenium (mg/L)	PZ-42I	0.005	0.00026	0.05	No	8	0.004407	0.001676	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	PZ-44I	0.005	0.00046	0.05	No	8	0.004432	0.001605	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	SGWC-6	0.001	0.00049	0.002	No	27	0.0008952	0.0002604	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-7	0.001	0.00042	0.002	No	27	0.0009496	0.0001836	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-8	0.001	0.00079	0.002	No	27	0.0009048	0.0002524	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-9	0.001	0.0004	0.002	No	27	0.0009507	0.0001784	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-10	0.001	0.00075	0.002	No	27	0.0009293	0.0002249	88.89	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-11	0.001	0.00016	0.002	No	27	0.0009374	0.0002255	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-12	0.001	0.00034	0.002	No	27	0.000947	0.0001914	92.59	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-13	0.001	0.00022	0.002	No	27	0.0009711	0.0001501	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-14	0.001	0.00035	0.002	No	27	0.0009185	0.0002492	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-15	0.001	0.00016	0.002	No	27	0.0006612	0.0004231	59.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-17	0.001	0.00024	0.002	No	27	0.0009719	0.0001463	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-18	0.00068	0.00016	0.002	No	28	0.0004791	0.0003889	32.14	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-20	0.00033	0.00017	0.002	No	27	0.0004267	0.000382	29.63	None	No	0.01	NP (normality)
Thallium (mg/L)	SGWC-22	0.001	0.00038	0.002	No	27	0.000977	0.0001193	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	SGWC-23	0.001	0.00016	0.002	No	27	0.0009689	0.0001617	96.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	PZ-41S	0.001	0.00034	0.002	No	9	0.0009267	0.00022	88.89	None	No	0.002	NP (NDs)

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Non-Parametric Confidence Interval

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

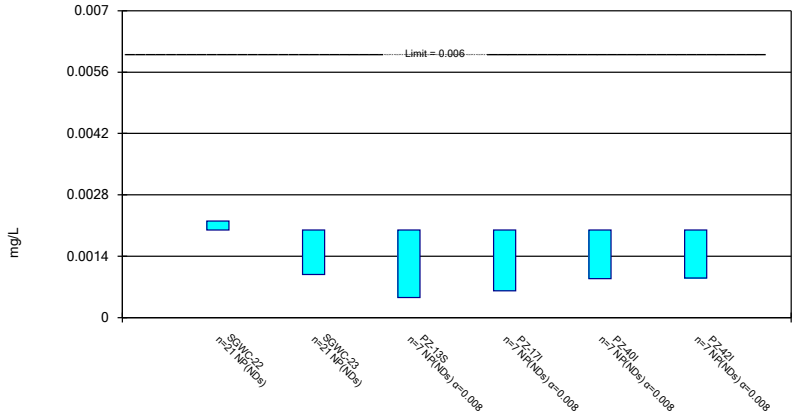


Constituent: Antimony Analysis Run 5/8/2025 5:28 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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

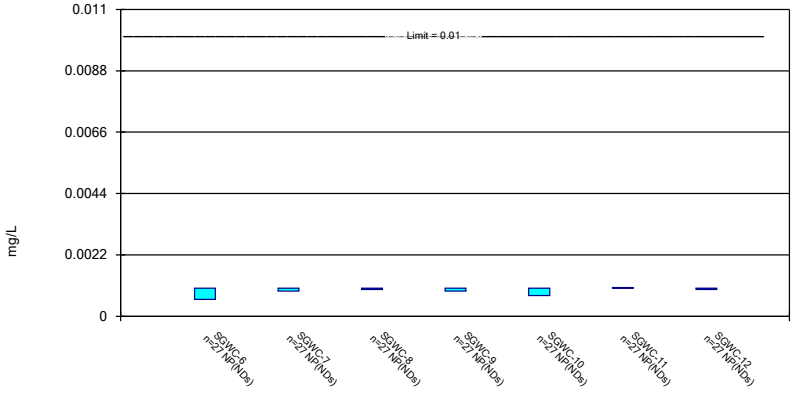


Constituent: Antimony Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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

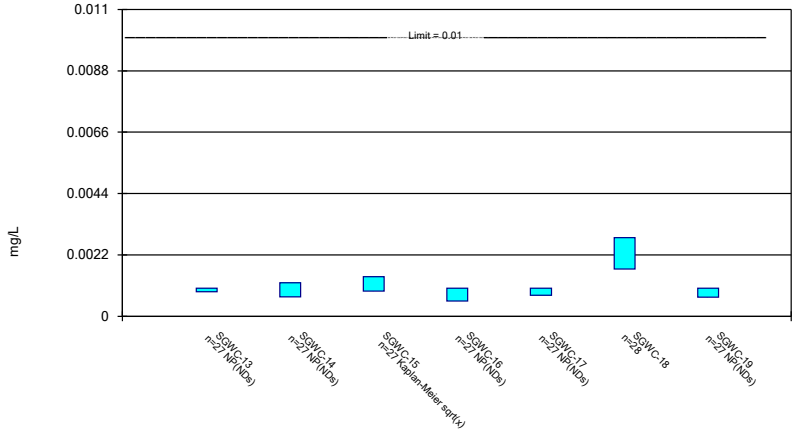


Constituent: Arsenic Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

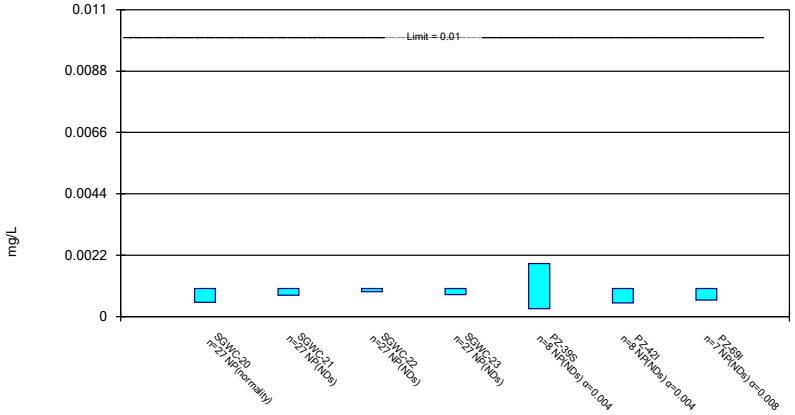


Constituent: Arsenic Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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

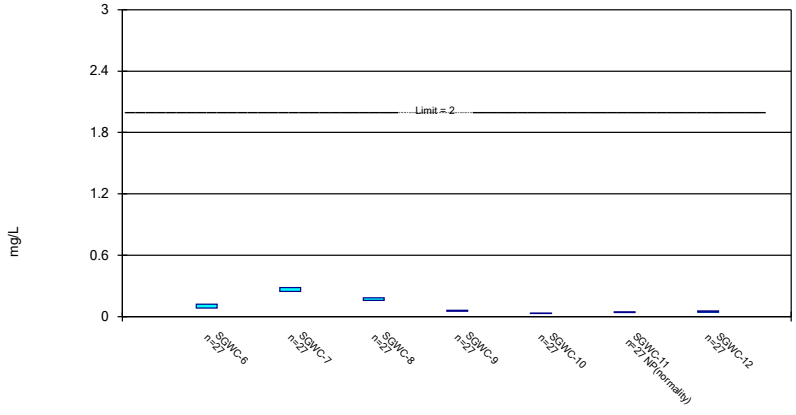


Constituent: Arsenic Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

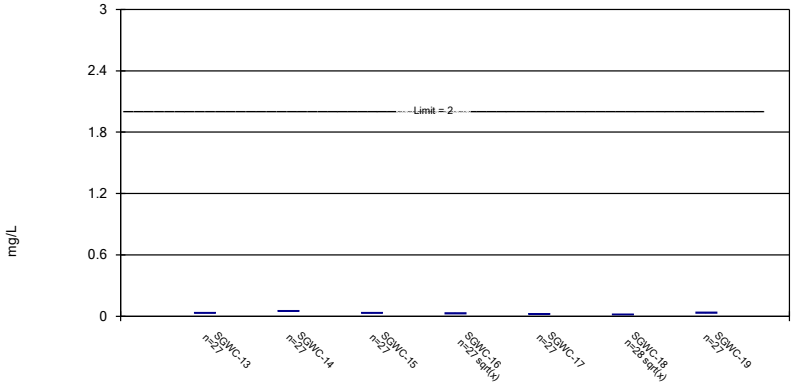


Constituent: Barium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

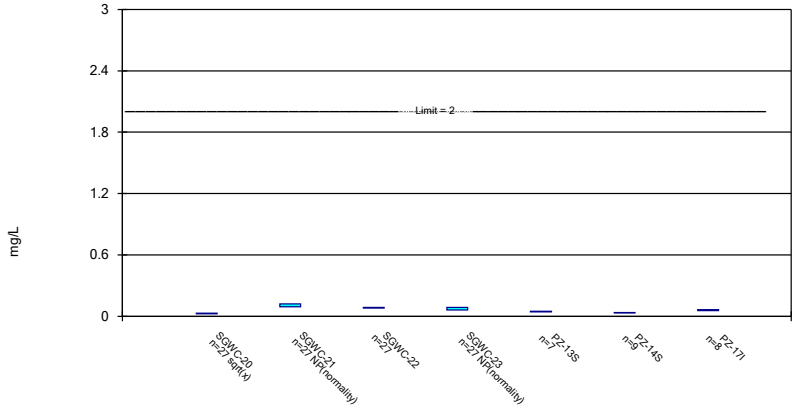


Constituent: Barium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

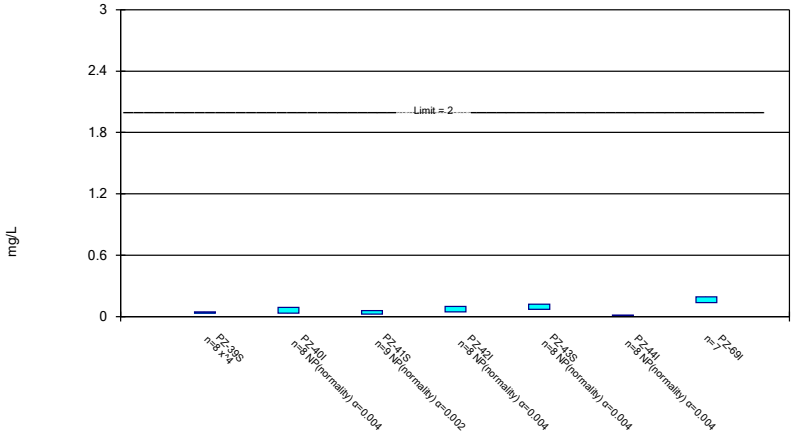


Constituent: Barium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

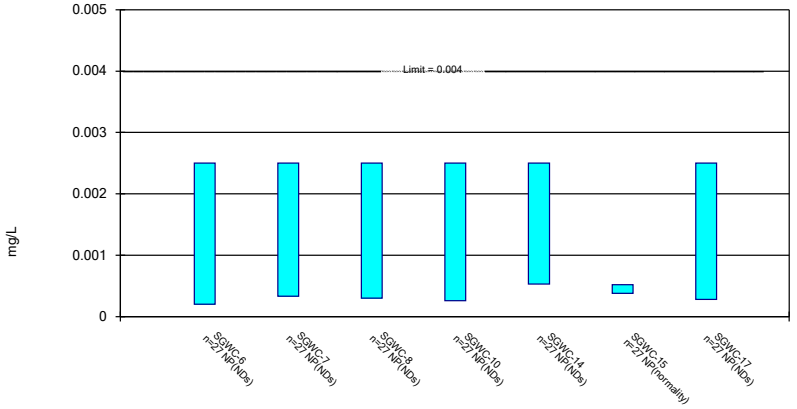


Constituent: Barium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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

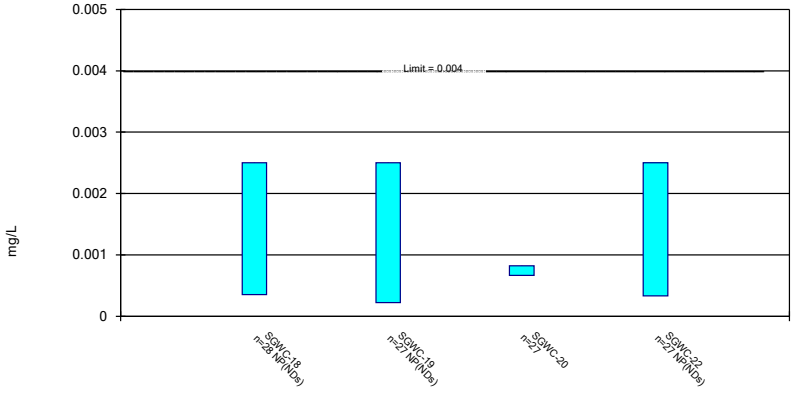


Constituent: Beryllium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

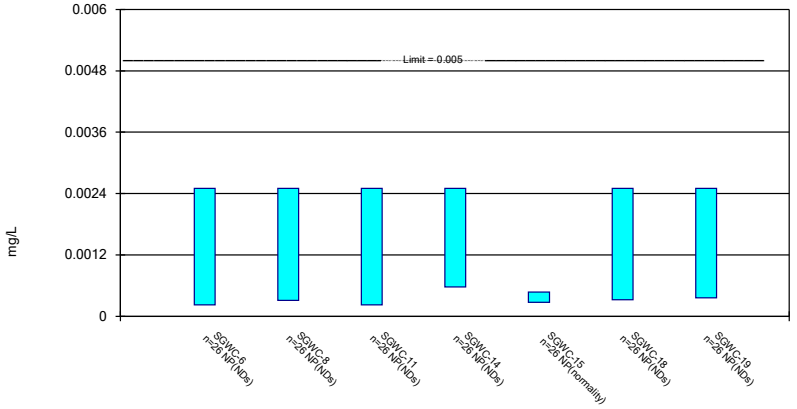


Constituent: Beryllium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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

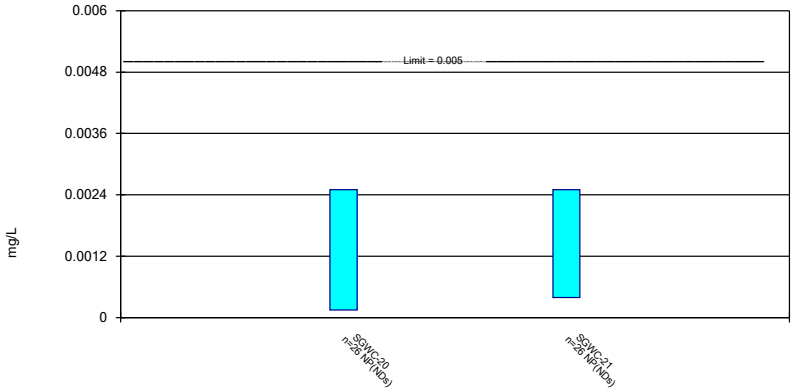


Constituent: Cadmium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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

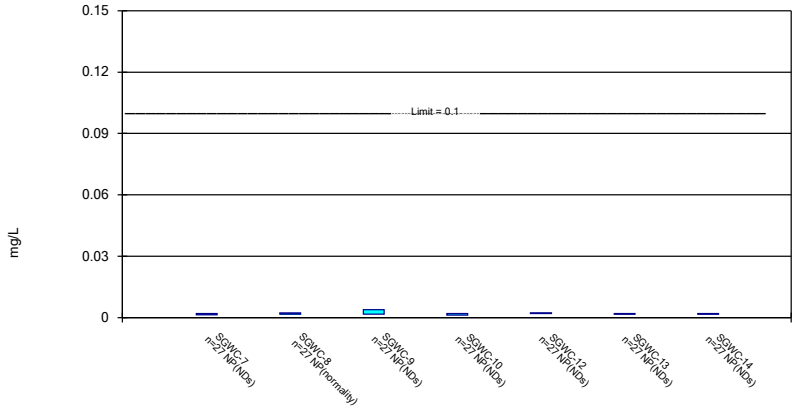


Constituent: Cadmium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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

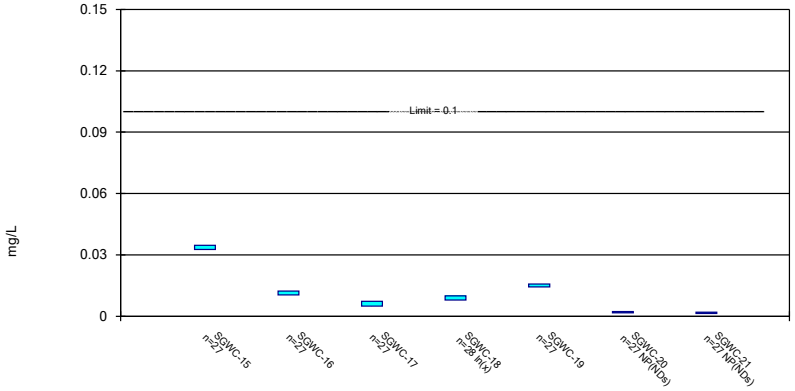


Constituent: Chromium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

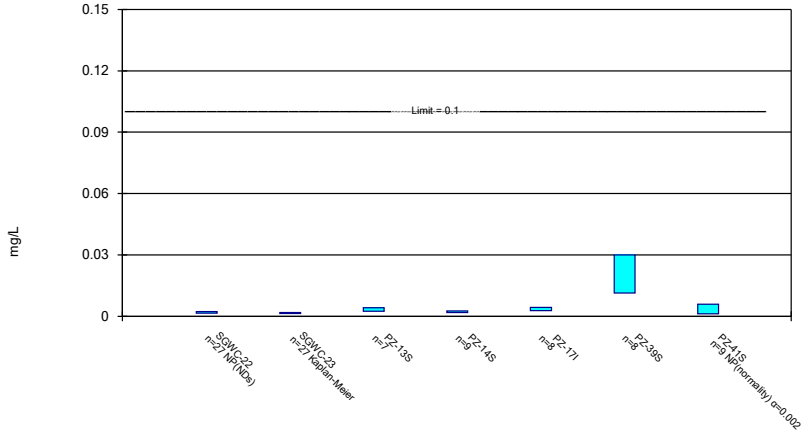


Constituent: Chromium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

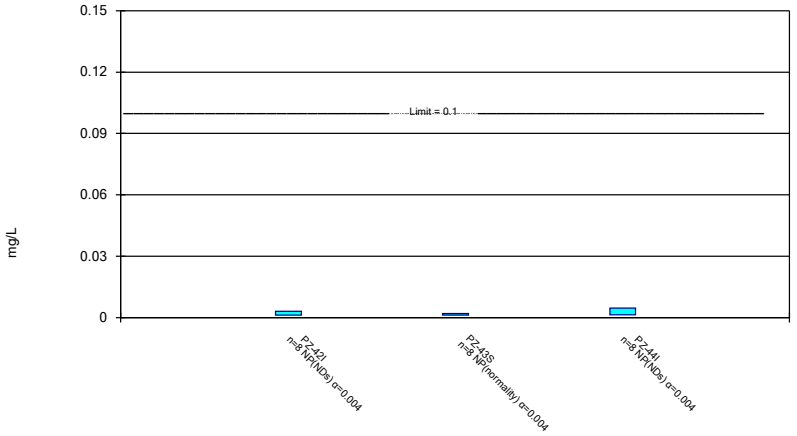


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Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

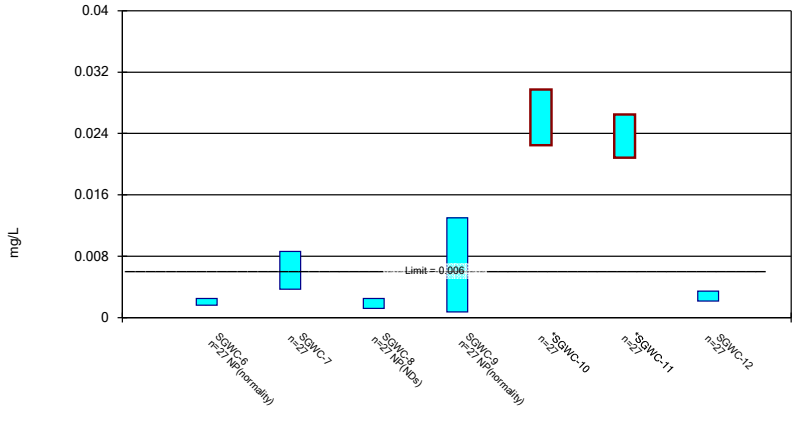


Constituent: Chromium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

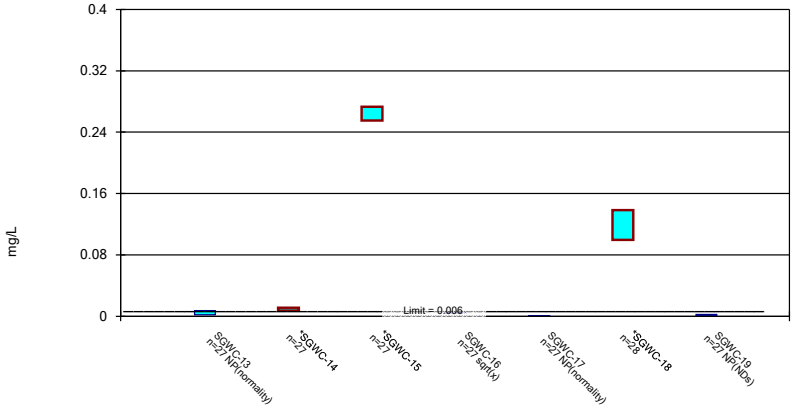


Constituent: Cobalt Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

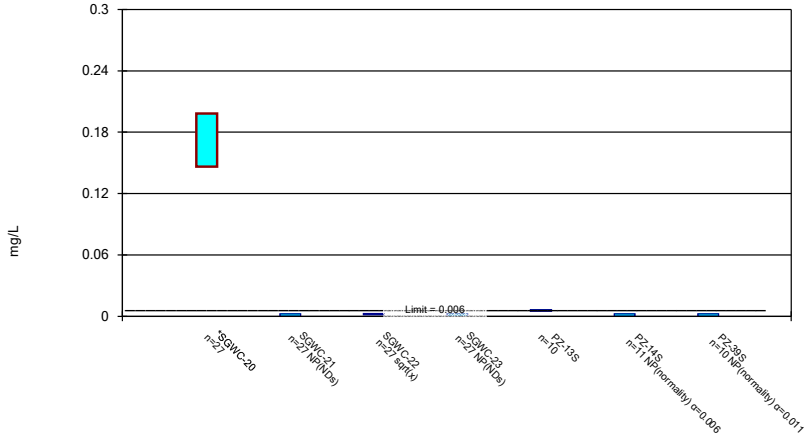


Constituent: Cobalt Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

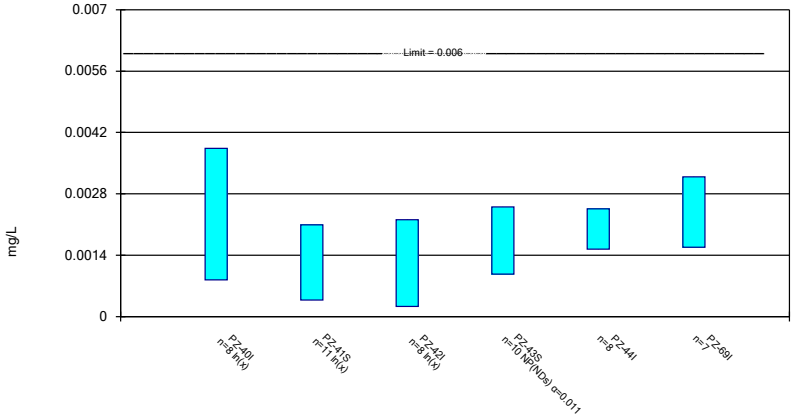


Constituent: Cobalt Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

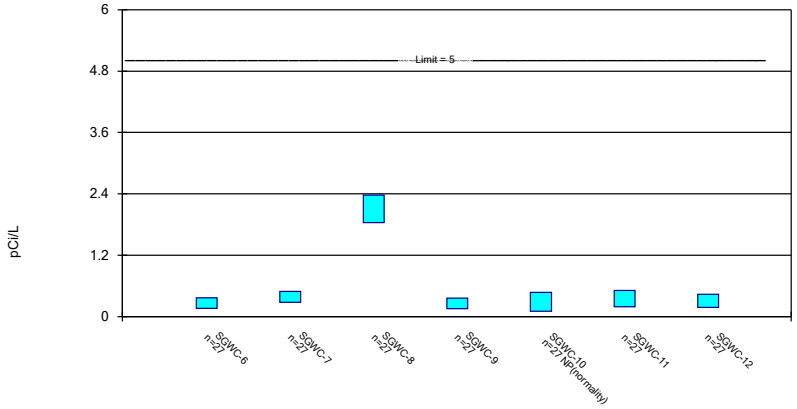


Constituent: Cobalt Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

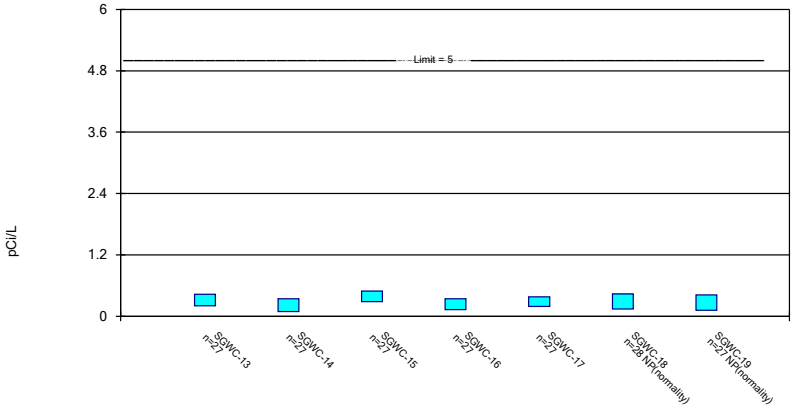


Constituent: Combined Radium 226 + 228 Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

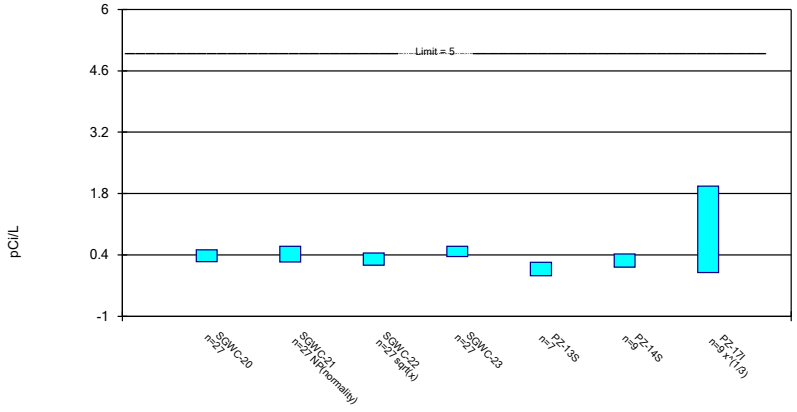


Constituent: Combined Radium 226 + 228 Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

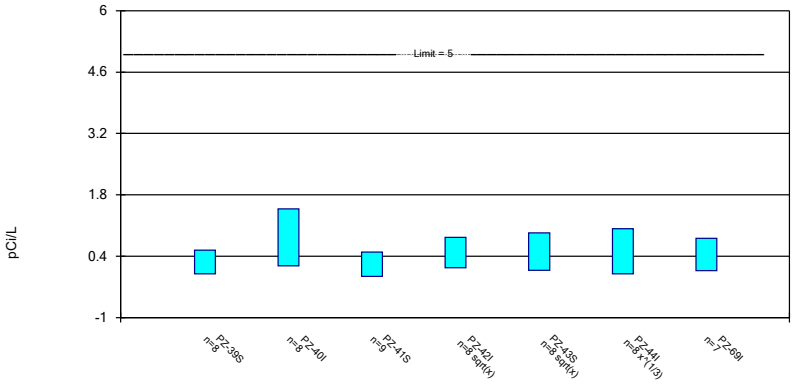


Constituent: Combined Radium 226 + 228 Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric Confidence Interval

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

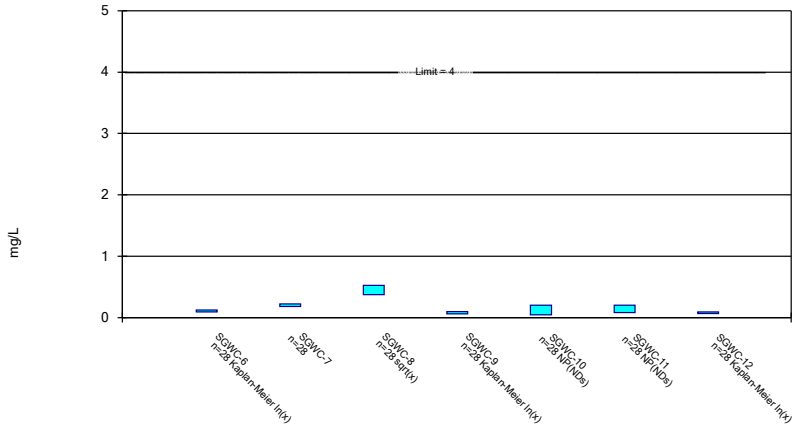


Constituent: Combined Radium 226 + 228 Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

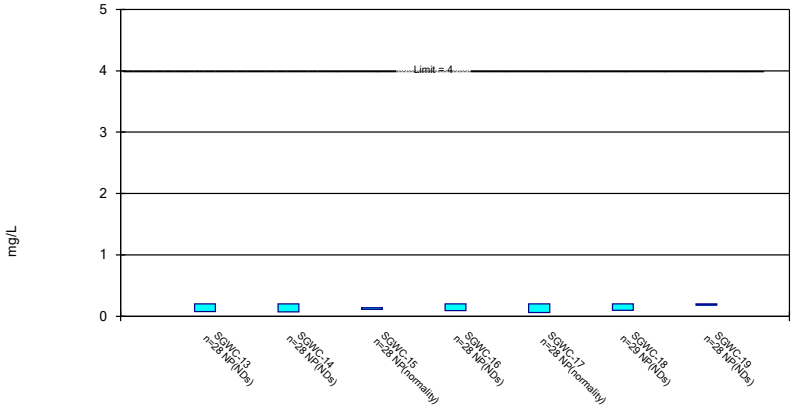


Constituent: Fluoride Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

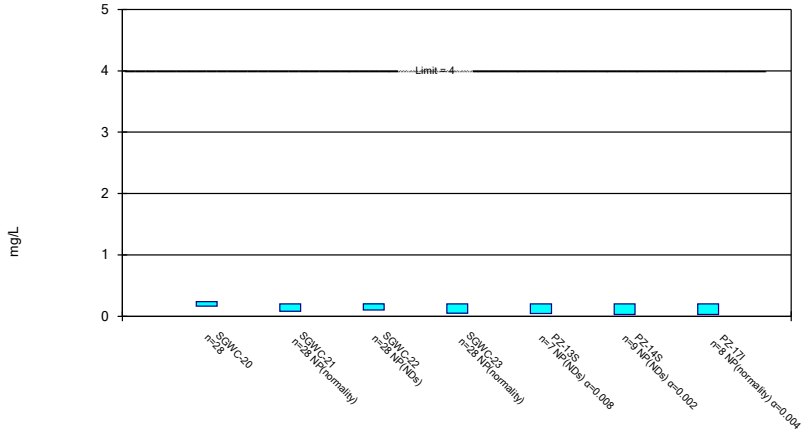


Constituent: Fluoride Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

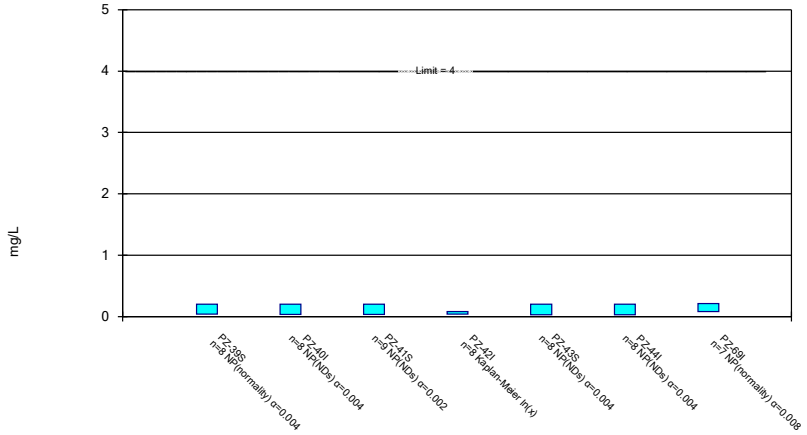


Constituent: Fluoride Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

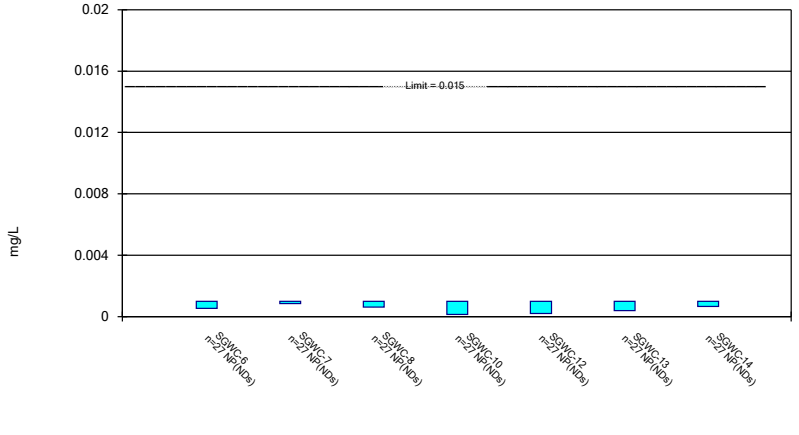


Constituent: Fluoride Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

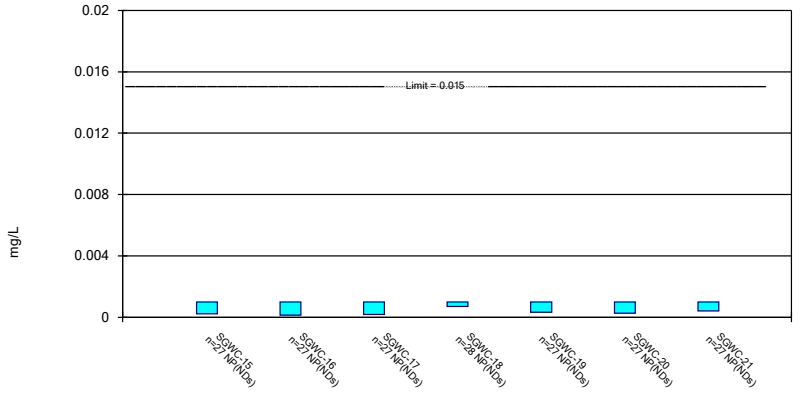


Constituent: Lead Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

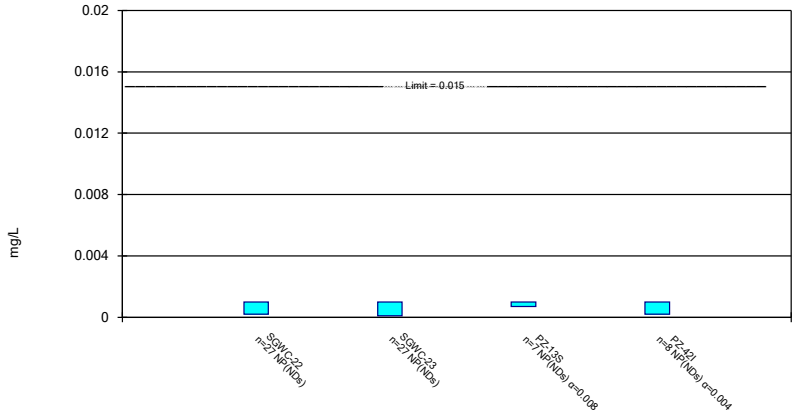


Constituent: Lead Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

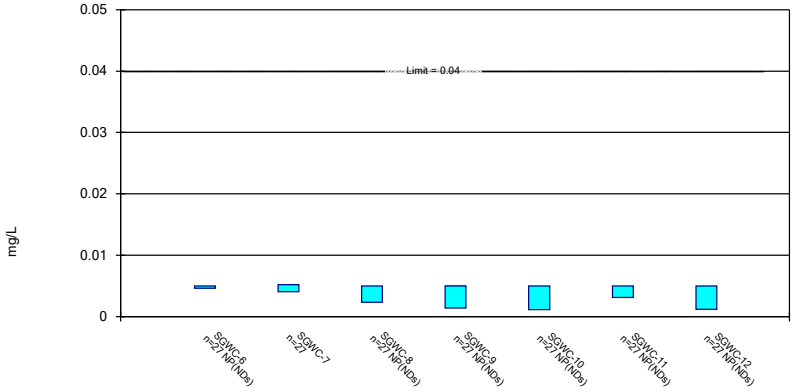


Constituent: Lead Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

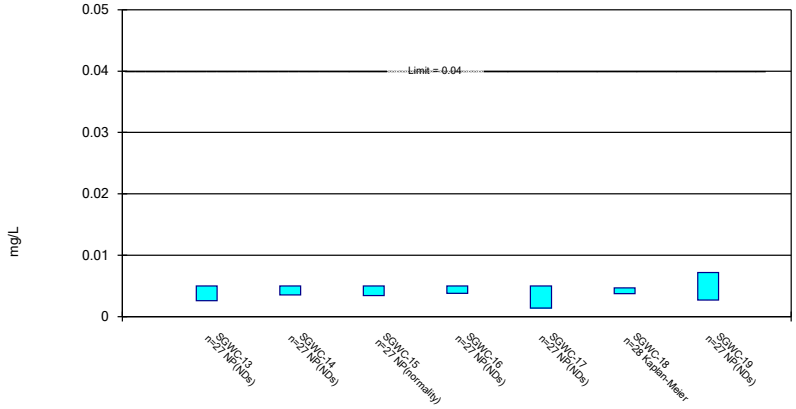


Constituent: Lithium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

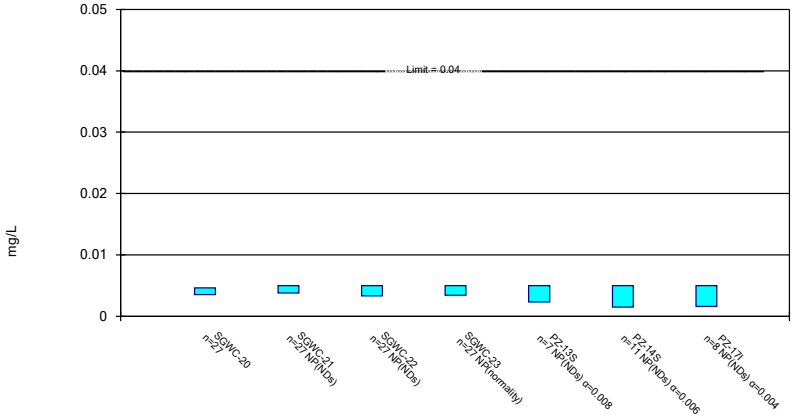


Constituent: Lithium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

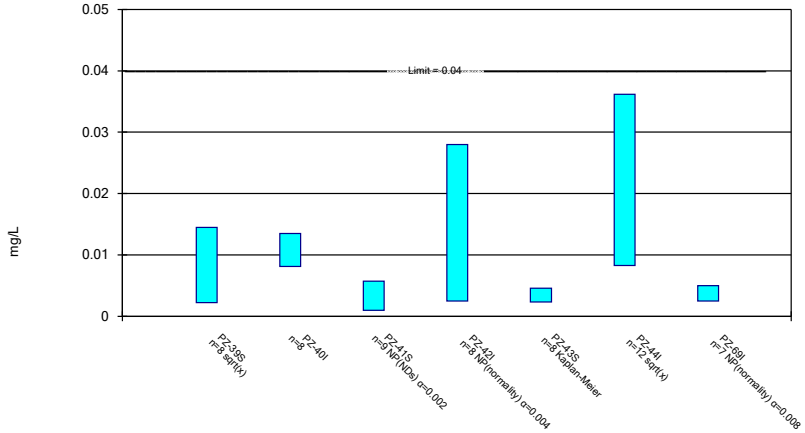


Constituent: Lithium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

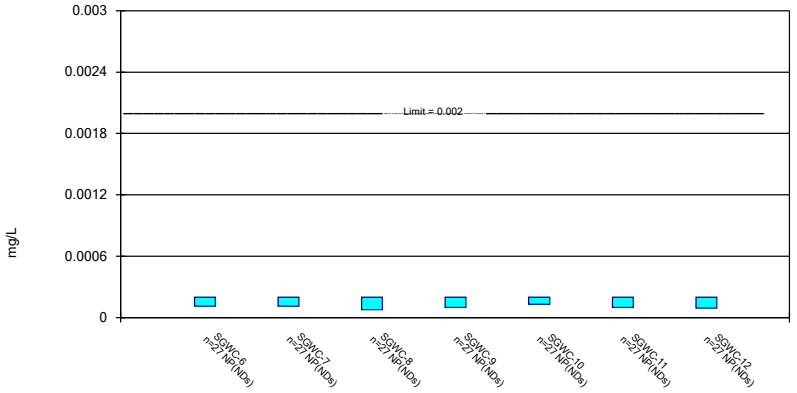


Constituent: Lithium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

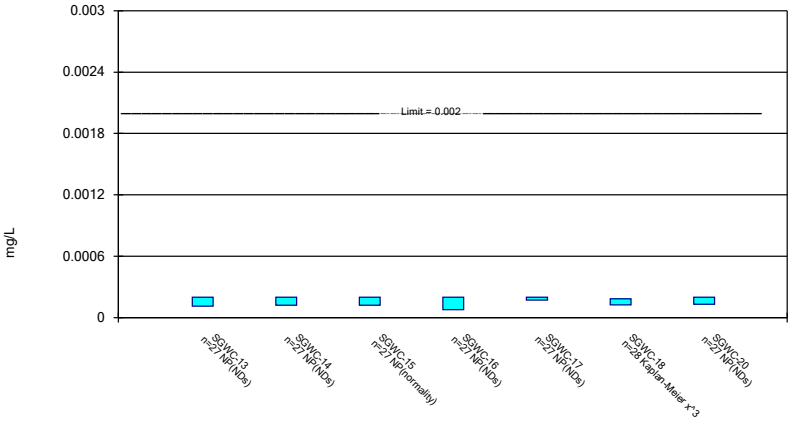


Constituent: Mercury Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

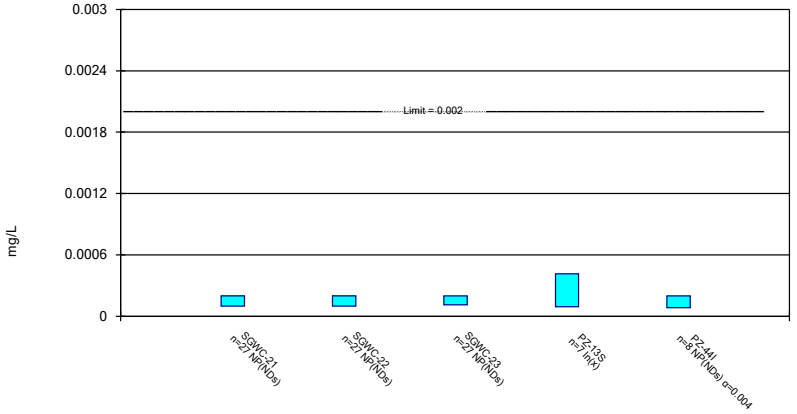


Constituent: Mercury Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

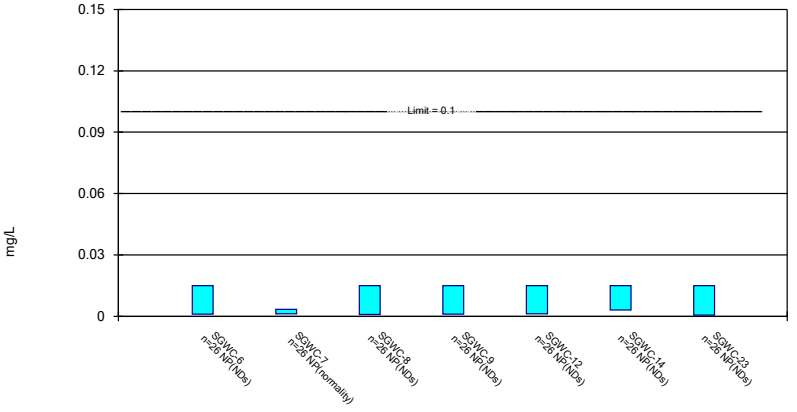


Constituent: Mercury Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

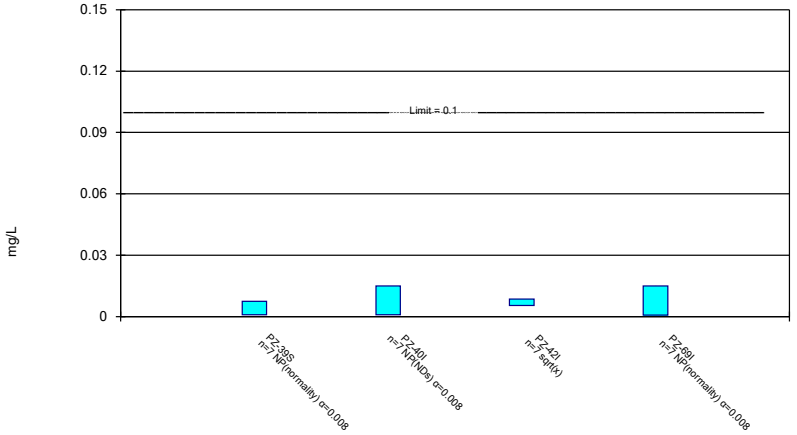


Constituent: Molybdenum Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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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.

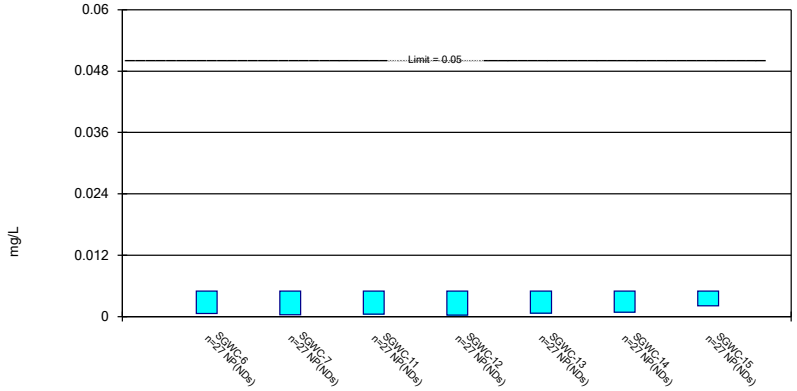


Constituent: Molybdenum Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

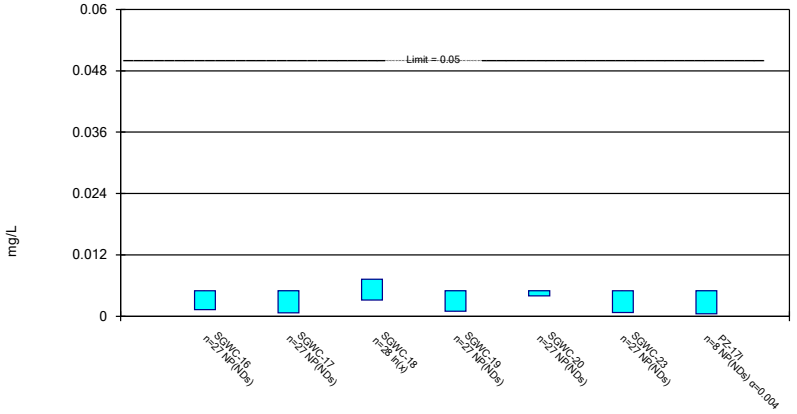


Constituent: Selenium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Parametric and Non-Parametric (NP) Confidence Interval

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

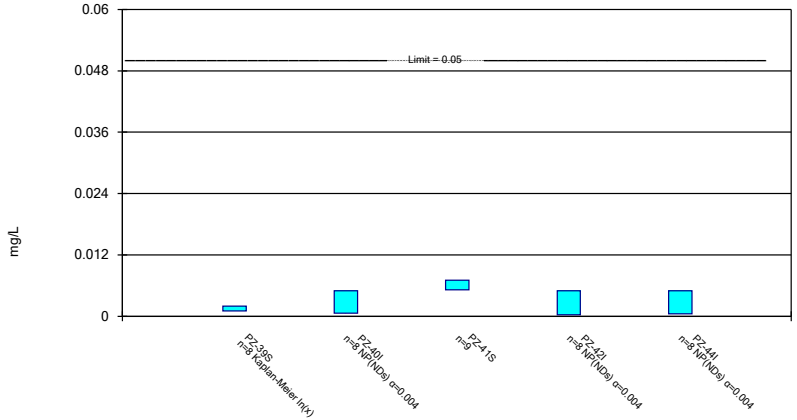


Constituent: Selenium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

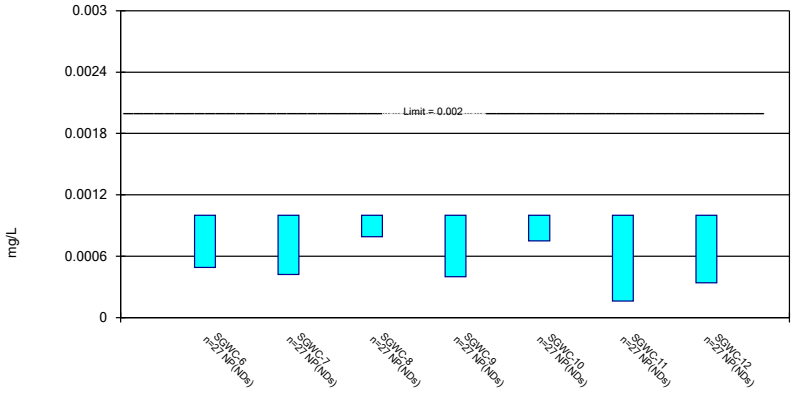


Constituent: Selenium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

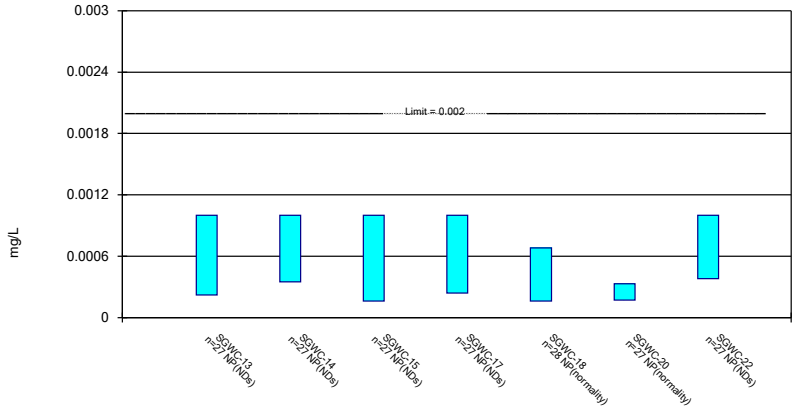


Constituent: Thallium Analysis Run 5/8/2025 5:29 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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.

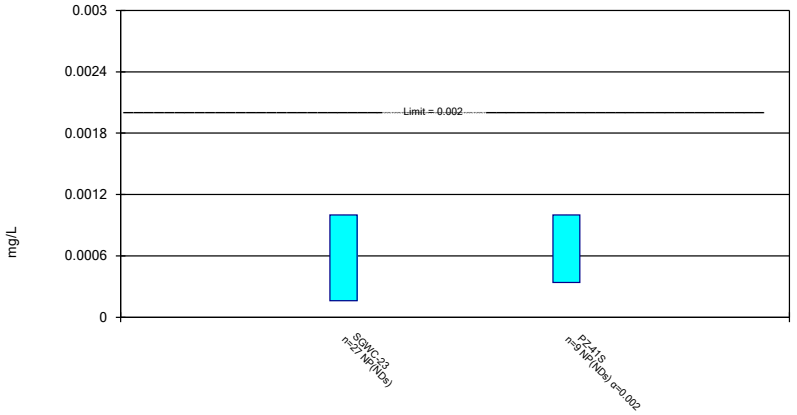


Constituent: Thallium Analysis Run 5/8/2025 5:30 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

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Non-Parametric Confidence Interval

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



Constituent: Thallium Analysis Run 5/8/2025 5:30 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-10	SGWC-13	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/11/2016	<0.002	<0.002					
5/12/2016			<0.002			<0.002	<0.002
5/13/2016				<0.002	<0.002		
6/27/2016	0.0004 (J)						
6/28/2016		0.0014 (J)	0.0004 (J)				
6/29/2016					<0.002	<0.002	<0.002
6/30/2016				0.0012 (J)			
8/17/2016	<0.002	<0.002					
8/18/2016			<0.002				
8/22/2016				<0.002	<0.002	<0.002	<0.002
10/17/2016		<0.002	<0.002				
10/18/2016	<0.002				<0.002	<0.002	<0.002
10/19/2016				<0.002			
12/6/2016	<0.002	<0.002	<0.002				
12/7/2016				<0.002			<0.002
12/8/2016					<0.002	<0.002	
2/14/2017	<0.002						
2/15/2017		<0.002	<0.002				
2/16/2017				<0.002	<0.002	<0.002	<0.002
4/12/2017	<0.002	<0.002	<0.002				
4/13/2017				<0.002	<0.002	<0.002	<0.002
6/27/2017	<0.002	<0.002	<0.002				
6/28/2017				<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002	<0.002	<0.002				
3/28/2018				<0.002	<0.002	<0.002	<0.002
10/8/2018			<0.002				<0.002
10/9/2018	<0.002	<0.002			<0.002		
2/20/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
2/18/2020	<0.002					<0.002	<0.002
2/19/2020		<0.002	<0.002		<0.002		
2/20/2020				<0.002			
2/9/2021	<0.002	<0.002	<0.002				
2/10/2021				<0.002	<0.002	<0.002	<0.002
8/18/2021	<0.002			<0.002			<0.002
8/19/2021		<0.002	<0.002		<0.002	<0.002	
2/9/2022	<0.002						
2/10/2022				<0.002			
2/11/2022		<0.002	<0.002		<0.002	<0.002	<0.002
8/18/2022	<0.002		<0.002				
8/19/2022		<0.002					
8/22/2022					0.0021	0.0019 (J)	0.0019 (J)
8/23/2022				<0.002			
2/22/2023	<0.002	<0.002		<0.002	<0.002	<0.002	
2/23/2023			<0.002				<0.002
8/2/2023			<0.002				
8/7/2023		<0.002		<0.002	<0.002	<0.002	
8/8/2023	<0.002						<0.002
2/20/2024					<0.002		
2/21/2024	<0.002						
2/23/2024		<0.002	<0.002				
2/26/2024						<0.002	
2/27/2024				<0.002			<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-10	SGWC-13	SGWC-18	SGWC-19	SGWC-20	SGWC-21
7/31/2024	<0.002						
8/1/2024			<0.002		<0.002		
8/2/2024						<0.002	<0.002
8/5/2024		<0.002		<0.002			
2/19/2025	<0.002	<0.002	<0.002				
2/20/2025						<0.002	<0.002
2/21/2025				<0.002	<0.002		
Mean	0.001924	0.001971	0.001924	0.00196	0.002005	0.001995	0.001995
Std. Dev.	0.0003491	0.0001309	0.0003491	0.0001789	2.182E-05	2.236E-05	2.182E-05
Upper Lim.	0.002	0.002	0.002	0.002	0.0021	0.002	0.002
Lower Lim.	0.0004	0.0014	0.0004	0.0012	0.002	0.0019	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	PZ-13S	PZ-17I	PZ-40I	PZ-42I
5/12/2016	<0.002	<0.002				
6/29/2016	<0.002	<0.002				
8/19/2016	<0.002	<0.002				
10/18/2016	<0.002	<0.002				
12/7/2016	<0.002	<0.002				
2/15/2017		<0.002				
2/16/2017	<0.002					
4/13/2017	<0.002	<0.002				
6/28/2017	<0.002	<0.002				
3/27/2018		<0.002				
3/28/2018	<0.002					
10/8/2018	<0.002	<0.002				
2/19/2019	<0.002	<0.002				
2/18/2020	<0.002	<0.002				
2/10/2021	<0.002	<0.002				
8/18/2021	<0.002	<0.002				
2/8/2022			<0.002			
2/9/2022				0.00061 (J)		<0.002
2/10/2022	<0.002	<0.002			<0.002	
8/22/2022	0.0022	0.00098 (J)				<0.002
8/23/2022					0.00089 (J)	
8/24/2022			<0.002	<0.002		
2/23/2023	<0.002	<0.002	<0.002	<0.002		<0.002
2/24/2023					<0.002	
8/1/2023				<0.002	<0.002	
8/2/2023			0.00046 (J)			<0.002
8/7/2023	<0.002					
8/8/2023		<0.002				
2/21/2024	<0.002	<0.002	<0.002			
2/26/2024				<0.002		
2/27/2024					<0.002	<0.002
8/1/2024				<0.002		
8/2/2024	<0.002	<0.002				
8/5/2024			<0.002		<0.002	<0.002
2/19/2025			<0.002			
2/20/2025	<0.002				<0.002	0.0009 (J)
2/21/2025		<0.002		<0.002		
Mean	0.00201	0.001951	0.00178	0.001801	0.001841	0.001843
Std. Dev.	4.364E-05	0.0002226	0.0005821	0.0005254	0.0004195	0.0004158
Upper Lim.	0.0022	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.002	0.00098	0.00046	0.00061	0.00089	0.0009

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	<0.001	<0.001	<0.001	<0.001	<0.001	0.00103 (J)	<0.001
6/27/2016	<0.001	0.0009 (J)	<0.001				
6/28/2016					<0.001	0.0011 (J)	0.001 (J)
6/29/2016				0.0009 (J)			
8/17/2016	<0.001	0.0006 (J)	<0.001		<0.001	0.0011 (J)	
8/18/2016							0.00091 (J)
8/22/2016				<0.001			
10/17/2016	<0.001		<0.001		<0.001	0.0011 (J)	<0.001
10/18/2016		<0.001		0.00074 (J)			
12/6/2016	<0.001	<0.001	<0.001		<0.001	0.00072 (J)	<0.001
12/7/2016				0.00079 (J)			
2/14/2017	0.0006 (J)	0.00059 (J)	0.0005 (J)				
2/15/2017					0.0005 (J)	0.0011 (J)	0.00076 (J)
2/16/2017				0.00056 (J)			
4/12/2017	0.00046 (J)	0.00058 (J)	<0.001		<0.001	0.00076 (J)	0.00046 (J)
4/13/2017				0.00079 (J)			
6/27/2017	<0.001	<0.001	0.00076 (J)	0.0011 (J)	0.00074 (J)	0.0011 (J)	0.0011 (J)
3/27/2018	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
3/28/2018				<0.001			
6/6/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10/8/2018	<0.001						0.0007 (J)
10/9/2018		0.00057 (J)	0.00053 (J)	0.00068 (J)	<0.001		
10/16/2018						<0.001	
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019		<0.001	0.001 (J)	<0.001	0.00059 (J)	0.0011 (J)	0.0012 (J)
4/2/2019	<0.001						
9/16/2019	<0.001			<0.001		<0.001	<0.001
9/17/2019		<0.001	0.00035 (J)		<0.001		
2/18/2020	<0.001	<0.001	<0.001			<0.001	
2/19/2020				0.00039 (J)	<0.001		0.00032 (J)
3/25/2020	0.00044 (J)		0.00063 (J)	<0.001	<0.001	<0.001	
3/26/2020		<0.001					0.00032 (J)
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/31/2021				0.00033 (J)	<0.001		
4/1/2021	<0.001	0.00044 (J)	<0.001				
4/7/2021						<0.001	<0.001
8/18/2021	<0.001	<0.001	<0.001				
8/19/2021				<0.001	<0.001	<0.001	
8/20/2021							<0.001
2/9/2022	<0.001	<0.001					
2/10/2022			<0.001	<0.001		<0.001	<0.001
2/11/2022					<0.001		
8/18/2022		<0.001	<0.001	<0.001		<0.001	<0.001
8/19/2022	<0.001				<0.001		
2/22/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/23/2023							<0.001
8/1/2023	<0.001						
8/2/2023						<0.001	
8/7/2023				<0.001	<0.001		<0.001
8/8/2023		<0.001	<0.001				
2/20/2024	<0.001						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
2/21/2024		<0.001	<0.001	<0.001			
2/23/2024					<0.001	<0.001	<0.001
7/31/2024		<0.001					
8/1/2024	<0.001		<0.001	<0.001		<0.001	<0.001
8/5/2024					<0.001		
2/19/2025		<0.001	<0.001	<0.001	<0.001		<0.001
2/20/2025	<0.001					<0.001	
Mean	0.0009444	0.0009141	0.0009174	0.0008993	0.0009567	0.001004	0.0009174
Std. Dev.	0.0001619	0.0001769	0.0001864	0.0001979	0.0001293	8.692E-05	0.0002182
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.00103	0.001
Lower Lim.	0.0006	0.0009	0.001	0.0009	0.00074	0.001	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
5/12/2016	<0.001	<0.001	<0.001	<0.001	<0.001		
5/13/2016						0.00161 (J)	<0.001
6/28/2016	<0.001	<0.001	0.0026 (J)	<0.001			
6/29/2016					<0.001		<0.001
6/30/2016						0.004 (J)	
8/18/2016	<0.001	<0.001	0.0015	<0.001	<0.001		
8/22/2016						0.0012 (J)	<0.001
10/17/2016	<0.001	<0.001					
10/18/2016			0.0019	<0.001			<0.001
10/19/2016					0.0011 (J)	0.0019	
12/6/2016	<0.001						
12/7/2016		<0.001	0.00079 (J)	<0.001	<0.001	0.0012 (J)	
12/8/2016							<0.001
2/15/2017	<0.001	<0.001	0.00073 (J)		0.00059 (J)		
2/16/2017				<0.001		0.00086 (J)	<0.001
4/12/2017	0.00047 (J)	0.00057 (J)	0.0009 (J)				
4/13/2017				<0.001	0.00066 (J)	0.00058 (J)	<0.001
6/27/2017	0.00088 (J)	0.00058 (J)	0.0011 (J)	0.00055 (J)	0.00075 (J)		
6/28/2017						0.0011 (J)	0.00068 (J)
3/27/2018	<0.001	<0.001	<0.001	<0.001	<0.001		
3/28/2018						0.0015	<0.001
6/7/2018	<0.001	<0.001	<0.001	<0.001	<0.001		
6/8/2018						0.002	<0.001
10/8/2018	0.00069 (J)	0.0007 (J)		0.00054 (J)	0.00075 (J)		
10/9/2018							0.00058 (J)
10/16/2018			<0.001				
10/18/2018						0.0031	
1/2/2019						<0.0013	
2/20/2019	<0.001	<0.001	0.00075 (J)	<0.001	<0.001	0.003	<0.001
4/1/2019	0.0014	0.0012 (J)	0.0016				
4/2/2019				<0.001	<0.001	0.0027	<0.001
9/17/2019	<0.001	<0.001	0.0008 (J)	<0.001	<0.001	0.0029	<0.001
2/19/2020	<0.001	<0.001	0.001	<0.001	<0.001		<0.001
2/20/2020						0.0031	
3/23/2020							<0.001
3/24/2020					<0.001		
3/26/2020						0.0047	
3/27/2020	<0.001	0.0014	0.0016	<0.001			
9/14/2020	<0.001						
9/15/2020		<0.001	0.0014	<0.001	<0.001	0.0045	<0.001
2/9/2021	<0.001	<0.001	0.0013	<0.001			
2/10/2021					0.00038 (J)	0.0033	<0.001
3/30/2021						0.0028	<0.001
3/31/2021			0.0012				
4/1/2021				0.00033 (J)	<0.001		
4/6/2021		<0.001					
4/7/2021	<0.001						
8/18/2021					<0.001	0.0028	
8/19/2021	<0.001	<0.001	0.0014	<0.001			<0.001
2/10/2022				<0.001		0.0043	
2/11/2022	<0.001		0.0021		<0.001		<0.001
2/14/2022		<0.001					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
8/18/2022	<0.001						
8/19/2022		<0.001	0.00066 (J)				
8/22/2022							<0.001
8/23/2022						0.0021	
8/31/2022				<0.001	<0.001		
2/22/2023					<0.001	0.0015	<0.001
2/23/2023	<0.001	<0.001	0.0012	<0.001			
8/2/2023	<0.001						
8/7/2023			<0.001		<0.001	0.00093 (J)	<0.001
8/8/2023		<0.001		<0.001			
2/20/2024							<0.001
2/23/2024	<0.001						
2/26/2024			0.0032	<0.001	<0.001		
2/27/2024		<0.001				0.0018	
8/1/2024	<0.001	<0.001	0.0018	<0.001			<0.001
8/5/2024					<0.001	0.0018	
2/19/2025	<0.001	<0.001		<0.001	<0.001		
2/20/2025			0.0012				
2/21/2025						0.0012	<0.001
Mean	0.0009793	0.0009796	0.001323	0.0009415	0.0009344	0.002255	0.0009726
Std. Dev.	0.0001441	0.0001569	0.0005914	0.0001722	0.0001626	0.001194	9.971E-05
Upper Lim.	0.001	0.0012	0.001418	0.001	0.001	0.002812	0.001
Lower Lim.	0.00088	0.0007	0.0008969	0.00055	0.00075	0.001697	0.00068

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-39S	PZ-42I	PZ-69I
5/12/2016	<0.001	<0.001	<0.001	<0.001			
6/29/2016	0.0018 (J)	<0.001	<0.001	<0.001			
8/19/2016			<0.001	<0.001			
8/22/2016	0.001 (J)	<0.001					
10/18/2016	0.00085 (J)	<0.001	<0.001	<0.001			
12/7/2016		<0.001	<0.001	<0.001			
12/8/2016	<0.001						
2/15/2017				<0.001			
2/16/2017	<0.001	<0.001	<0.001				
4/13/2017	<0.001	<0.001	0.0006 (J)	0.00061 (J)			
6/28/2017	0.00094 (J)	0.00076 (J)	0.00089 (J)	0.00079 (J)			
3/27/2018				<0.001			
3/28/2018	<0.001	<0.001	<0.001				
6/7/2018	<0.001	<0.001	<0.001	<0.001			
10/8/2018		<0.001	<0.001	<0.001			
10/17/2018					0.0019		
10/18/2018	<0.001					<0.001	
2/19/2019			<0.001	<0.001			
2/20/2019	<0.001	<0.001					
4/2/2019	<0.001	<0.001	<0.001	<0.001			
9/17/2019	0.00037 (J)	<0.001					
9/18/2019			0.00035 (J)	<0.001			
2/18/2020	0.00032 (J)	<0.001	0.00034 (J)	<0.001			
3/23/2020	0.0005 (J)	<0.001					
3/24/2020			<0.001	<0.001			
9/15/2020	0.00051 (J)	<0.001	<0.001	<0.001			
2/10/2021	0.00059 (J)	<0.001	<0.001	<0.001			
3/30/2021	0.00049 (J)	<0.001					
3/31/2021			<0.001	<0.001			
8/18/2021		<0.001	<0.001	<0.001			
8/19/2021	0.00066 (J)						
2/9/2022					<0.001	<0.001	
2/10/2022			0.00031 (J)	<0.001			0.00059 (J)
2/11/2022	0.00081 (J)	<0.001					
8/22/2022	0.00042 (J)	<0.001	0.00044 (J)	<0.001		0.00049 (J)	
8/23/2022					0.00028 (J)		
8/24/2022							0.00074 (J)
2/22/2023	0.00046 (J)						
2/23/2023		<0.001	<0.001	<0.001		<0.001	
2/24/2023					<0.001		0.0007 (J)
8/2/2023					<0.001	<0.001	<0.001
8/7/2023	<0.001		<0.001				
8/8/2023		<0.001		<0.001			
2/21/2024			<0.001	<0.001			
2/23/2024							<0.001
2/26/2024	0.0015						
2/27/2024		<0.001			<0.001	<0.001	
8/2/2024	0.00098 (J)	<0.001	<0.001	<0.001			<0.001
8/5/2024						<0.001	
8/6/2024					<0.001		
2/20/2025	<0.001	<0.001	<0.001			<0.001	
2/21/2025				<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-39S	PZ-42I	PZ-69I
2/24/2025					<0.001		<0.001
Mean	0.0008593	0.0009911	0.0008863	0.0009778	0.001023	0.0009363	0.0008614
Std. Dev.	0.0003362	4.619E-05	0.0002378	8.386E-05	0.000435	0.0001803	0.0001786
Upper Lim.	0.001	0.001	0.001	0.001	0.0019	0.001	0.001
Lower Lim.	0.00051	0.00076	0.00089	0.00079	0.00028	0.00049	0.00059

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	0.0933	0.295	0.251	0.0494	0.0294	0.038	0.0324
6/27/2016	0.101	0.353	0.205				
6/28/2016					0.0293	0.0363	0.0321
6/29/2016				0.0535			
8/17/2016	0.094	0.29	0.16		0.029	0.033	
8/18/2016							0.03
8/22/2016				0.049			
10/17/2016	0.11		0.17		0.027	0.035	0.032
10/18/2016		0.29		0.049			
12/6/2016	0.11	0.31	0.16		0.03	0.035	0.032
12/7/2016				0.048			
2/14/2017	0.056	0.3	0.18				
2/15/2017					0.025	0.036	0.036
2/16/2017				0.056			
4/12/2017	0.048	0.3	0.18		0.028	0.038	0.037
4/13/2017				0.063			
6/27/2017	0.058	0.36	0.18	0.067	0.034	0.042	0.042
3/27/2018	0.021	0.27	0.17		0.031	0.039	0.043
3/28/2018				0.069			
6/6/2018	0.014	0.24	0.18	0.069	0.027	0.041	0.048
10/8/2018	0.069						0.049
10/9/2018		0.28	0.17	0.077	0.032		
10/16/2018						0.037	
2/20/2019	0.052	0.28	0.2	0.077	0.036	0.044	0.054
4/1/2019		0.24	0.19	0.071	0.039	0.041	0.051
4/2/2019	0.069						
9/16/2019	0.13			0.077		0.045	0.052
9/17/2019		0.23	0.19		0.029		
2/18/2020	0.083	0.25	0.17			0.044	
2/19/2020				0.065	0.027		0.053
3/25/2020	0.12		0.19	0.066	0.036	0.046	
3/26/2020		0.23					0.051
9/14/2020	0.14	0.27	0.18	0.059	0.027	0.042	0.057
2/9/2021	0.12	0.26	0.18	0.054	0.028	0.043	0.058
3/31/2021				0.061	0.036		
4/1/2021	0.12	0.26	0.17				
4/7/2021						0.046	0.058
8/18/2021	0.13	0.24	0.16				
8/19/2021				0.043	0.025	0.045	
8/20/2021							0.057
2/9/2022	0.13	0.21					
2/10/2022			0.18	0.047		0.045	0.057
2/11/2022					0.025		
8/18/2022		0.2	0.16	0.05		0.044	0.056
8/19/2022	0.15				0.027		
2/22/2023	0.12	0.22	0.13	0.044	0.038	0.044	
2/23/2023							0.058
8/1/2023	0.14						
8/2/2023						0.048	
8/7/2023				0.049	0.032		0.053
8/8/2023		0.24	0.13				
2/20/2024	0.13						

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
2/21/2024		0.22	0.12	0.046			
2/23/2024					0.036	0.062	0.073
7/31/2024		0.25					
8/1/2024	0.17		0.13	0.046		0.059	0.072
8/5/2024					0.041		
2/19/2025		0.25	0.14	0.035	0.043		0.075
2/20/2025	0.17					0.072	
Mean	0.1018	0.2644	0.1713	0.05703	0.03136	0.04371	0.04994
Std. Dev.	0.04181	0.03964	0.02713	0.01173	0.005133	0.008632	0.01273
Upper Lim.	0.1217	0.2833	0.1843	0.06263	0.03381	0.045	0.05602
Lower Lim.	0.08184	0.2455	0.1584	0.05144	0.02891	0.038	0.04387

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
5/12/2016	0.0198	0.067	0.041	0.0163	0.0157		
5/13/2016						0.0138	0.0507
6/28/2016	0.0208	0.0668	0.0435	0.0165			
6/29/2016					0.0161		0.0485
6/30/2016						0.0145	
8/18/2016	0.022	0.06	0.043	0.017	0.016		
8/22/2016						0.014	0.044
10/17/2016	0.024	0.06					
10/18/2016			0.041	0.017			0.042
10/19/2016					0.023	0.016	
12/6/2016	0.025						
12/7/2016		0.063	0.042	0.017	0.018	0.015	
12/8/2016							0.045
2/15/2017	0.026	0.061	0.038		0.02		
2/16/2017				0.017		0.013	0.04
4/12/2017	0.029	0.062	0.038				
4/13/2017				0.019	0.019	0.012	0.037
6/27/2017	0.031	0.06	0.041	0.02	0.019		
6/28/2017						0.012	0.04
3/27/2018	0.029	0.055	0.035	0.021	0.02		
3/28/2018						0.029	0.034
6/7/2018	0.032	0.057	0.035	0.022	0.02		
6/8/2018						0.032	0.035
10/8/2018	0.033	0.053		0.025	0.021		
10/9/2018							0.037
10/16/2018			0.031				
10/18/2018						0.033	
1/2/2019						0.027	
2/20/2019	0.041	0.053	0.036	0.027	0.023	0.034	0.036
4/1/2019	0.038	0.054	0.034				
4/2/2019				0.023	0.02	0.028	0.03
9/17/2019	0.036	0.048	0.034	0.029	0.025	0.026	0.035
2/19/2020	0.033	0.047	0.031	0.029	0.022		0.034
2/20/2020						0.023	
3/23/2020							0.032
3/24/2020					0.024		
3/26/2020						0.02	
3/27/2020	0.034	0.049	0.028	0.027			
9/14/2020	0.039						
9/15/2020		0.05	0.031	0.031	0.025	0.02	0.034
2/9/2021	0.036	0.046	0.029	0.03			
2/10/2021					0.023	0.016	0.031
3/30/2021						0.015	0.03
3/31/2021			0.028				
4/1/2021				0.029	0.022		
4/6/2021		0.048					
4/7/2021	0.037						
8/18/2021					0.024	0.022	
8/19/2021	0.036	0.042	0.027	0.029			0.027
2/10/2022				0.034		0.013	
2/11/2022	0.034		0.027		0.025		0.032
2/14/2022		0.047					

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
8/18/2022	0.036						
8/19/2022		0.048	0.025				
8/22/2022							0.023
8/23/2022						0.012	
8/31/2022				0.033	0.033		
2/22/2023					0.024	0.0098 (J)	0.022
2/23/2023	0.035	0.038	0.023	0.035			
8/2/2023	0.036						
8/7/2023			0.031		0.026	0.0092 (J)	0.022
8/8/2023		0.045		0.043			
2/20/2024							0.024
2/23/2024	0.043						
2/26/2024			0.028	0.05	0.029		
2/27/2024		0.042				0.01	
8/1/2024	0.048	0.037	0.028	0.054			0.025
8/5/2024					0.025	0.011	
2/19/2025	0.044	0.032		0.059	0.032		
2/20/2025			0.025				
2/21/2025						0.0093 (J)	0.024
Mean	0.03324	0.05151	0.03309	0.02851	0.02259	0.0182	0.03386
Std. Dev.	0.007102	0.009175	0.006152	0.01158	0.004338	0.007827	0.007985
Upper Lim.	0.03663	0.05589	0.03603	0.03285	0.02465	0.02107	0.03767
Lower Lim.	0.02986	0.04713	0.03016	0.02265	0.02052	0.01416	0.03005

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
5/12/2016	0.0436	0.0914	0.1	0.0959			
6/29/2016	0.0466	0.0933	0.0991	0.0957			
8/19/2016			0.096	0.093			
8/22/2016	0.038	0.086					
10/18/2016	0.039	0.093	0.096	0.093			
12/7/2016		0.096	0.09	0.09			
12/8/2016	0.038						
2/15/2017				0.09			
2/16/2017	0.034	0.091	0.091				
4/13/2017	0.028	0.088	0.091	0.081			
6/28/2017	0.03	0.094	0.1	0.085			
3/27/2018				0.076			
3/28/2018	0.027	0.09	0.084				
6/7/2018	0.029	0.092	0.084	0.082			
10/8/2018		0.092	0.084	0.077			
10/18/2018	0.027						0.055
1/10/2019						0.032	
2/19/2019			0.075	0.064			
2/20/2019	0.03	0.1					
4/2/2019	0.023	0.087	0.076	0.068			
9/17/2019	0.025	0.097					
9/18/2019			0.078	0.068			
2/13/2020						0.036	
2/18/2020	0.023	0.11	0.085	0.065			
3/23/2020	0.024	0.1					
3/24/2020			0.081	0.065			
9/15/2020	0.024	0.13	0.083	0.064			
2/10/2021	0.023	0.12	0.078	0.066			
3/30/2021	0.021	0.12					
3/31/2021			0.072	0.059			
8/18/2021		0.12	0.074	0.056			
8/19/2021	0.02						
2/8/2022					0.049	0.033	
2/9/2022							0.06
2/10/2022			0.07	0.064			
2/11/2022	0.022	0.11					
8/22/2022	0.021	0.1	0.075	0.056			
8/23/2022						0.034	
8/24/2022					0.046		0.058
2/22/2023	0.018						
2/23/2023		0.1	0.082	0.06	0.049	0.036	0.062
8/1/2023						0.034	0.054
8/2/2023					0.046		
8/7/2023	0.02		0.074				
8/8/2023		0.12		0.058			
2/21/2024			0.075	0.056	0.049		
2/26/2024	0.021						0.068
2/27/2024		0.12					
2/28/2024						0.037	
8/1/2024							0.063
8/2/2024	0.023	0.13	0.08	0.06			
8/5/2024					0.043	0.031	

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
2/19/2025					0.041	0.038	
2/20/2025	0.022	0.12	0.071				
2/21/2025				0.064			0.06
Mean	0.02741	0.1034	0.08311	0.07228	0.04614	0.03456	0.06
Std. Dev.	0.007686	0.01406	0.009323	0.01372	0.003185	0.002351	0.004504
Upper Lim.	0.03051	0.12	0.08756	0.085	0.04993	0.03683	0.06477
Lower Lim.	0.0236	0.092	0.07867	0.06	0.04236	0.03229	0.05523

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018						0.014	
10/17/2018	0.02						
10/18/2018		0.089	0.059	0.1	0.12		
2/19/2020			0.032				
2/9/2022	0.04		0.026	0.056	0.085	0.0078 (J)	
2/10/2022		0.042					0.14
8/22/2022				0.052			
8/23/2022	0.039	0.055					
8/24/2022			0.025		0.07	0.0079 (J)	0.13
2/23/2023			0.026	0.052			
2/24/2023	0.045	0.039			0.076		0.16
2/28/2023						0.008 (J)	
8/1/2023		0.038					
8/2/2023	0.043		0.023	0.05	0.074	0.0092 (J)	0.17
2/23/2024						0.009 (J)	0.19
2/27/2024	0.042	0.036	0.025	0.05	0.074		
8/1/2024						0.01	
8/2/2024					0.075		0.19
8/5/2024		0.033		0.051			
8/6/2024	0.038		0.023				
2/20/2025		0.033		0.047			
2/21/2025			0.024				
2/24/2025	0.043				0.07	0.0099 (J)	0.18
Mean	0.03875	0.04563	0.02922	0.05725	0.0805	0.009475	0.1657
Std. Dev.	0.007924	0.01888	0.01149	0.01746	0.01663	0.002025	0.0237
Upper Lim.	0.0445	0.089	0.059	0.1	0.12	0.014	0.1939
Lower Lim.	0.03421	0.033	0.023	0.047	0.07	0.0078	0.1376

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-10	SGWC-14	SGWC-15	SGWC-17
5/11/2016	<0.0025	<0.0025	<0.0025	<0.0025			
5/12/2016					<0.0025	<0.0025	<0.0025
6/27/2016	<0.0025	<0.0025	<0.0025				
6/28/2016				<0.0025	<0.0025	0.0003 (J)	
6/29/2016							<0.0025
8/17/2016	<0.0025	<0.0025	<0.0025	<0.0025			
8/18/2016					<0.0025	0.00037 (J)	<0.0025
10/17/2016	<0.0025		<0.0025	<0.0025	<0.0025		
10/18/2016		<0.0025				<0.0025	
10/19/2016							<0.0025
12/6/2016	<0.0025	<0.0025	<0.0025	<0.0025			
12/7/2016					<0.0025	<0.0025	<0.0025
2/14/2017	<0.0025	<0.0025	<0.0025				
2/15/2017				<0.0025	<0.0025	0.00037 (J)	<0.0025
4/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00035 (J)	
4/13/2017							<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.0004 (J)	<0.0025
3/27/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00041 (J)	<0.0025
6/6/2018	<0.0025	<0.0025	<0.0025	<0.0025			
6/7/2018					<0.0025	0.00038 (J)	<0.0025
10/8/2018	<0.0025				<0.0025		<0.0025
10/9/2018		<0.0025	<0.0025	<0.0025			
10/16/2018						0.0004 (J)	
2/20/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00042 (J)	<0.0025
4/1/2019		<0.0025	<0.0025	<0.0025	<0.0025	0.00034 (J)	
4/2/2019	<0.0025						<0.0025
9/16/2019	<0.0025						
9/17/2019		<0.0025	0.00019 (J)	<0.0025	<0.0025	0.00046 (J)	<0.0025
2/18/2020	<0.0025	<0.0025	<0.0025				
2/19/2020				0.00026 (J)	<0.0025	0.00045 (J)	<0.0025
3/24/2020							<0.0025
3/25/2020	0.0002 (J)		0.0003 (J)	<0.0025			
3/26/2020		<0.0025					
3/27/2020					0.00053 (J)	0.00059 (J)	
9/14/2020	<0.0025	<0.0025	<0.0025	<0.0025			
9/15/2020					0.0002 (J)	0.00053 (J)	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.00044 (J)	
2/10/2021							0.00028 (J)
3/31/2021				<0.0025		0.00045 (J)	
4/1/2021	<0.0025	<0.0025	<0.0025				<0.0025
4/6/2021					<0.0025		
8/18/2021	<0.0025	<0.0025	<0.0025				<0.0025
8/19/2021				<0.0025	<0.0025	0.00033 (J)	
2/9/2022	<0.0025	<0.0025					
2/10/2022			<0.0025				
2/11/2022				<0.0025		0.0004 (J)	<0.0025
2/14/2022					<0.0025		
8/18/2022		<0.0025	<0.0025				
8/19/2022	<0.0025			<0.0025	<0.0025	0.00039 (J)	
8/31/2022							<0.0025
2/22/2023	<0.0025	<0.0025	<0.0025	<0.0025			<0.0025
2/23/2023					<0.0025	0.00038 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-10	SGWC-14	SGWC-15	SGWC-17
8/1/2023	<0.0025						
8/7/2023				<0.0025		0.00046 (J)	<0.0025
8/8/2023		<0.0025	<0.0025		<0.0025		
2/20/2024	<0.0025						
2/21/2024		0.00033 (J)	<0.0025				
2/23/2024				<0.0025			
2/26/2024						0.00051 (J)	<0.0025
2/27/2024					<0.0025		
7/31/2024		<0.0025					
8/1/2024	<0.0025		<0.0025		<0.0025	0.00052 (J)	
8/5/2024				<0.0025			<0.0025
2/19/2025		<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
2/20/2025	<0.0025					0.00054 (J)	
Mean	0.002415	0.00242	0.002333	0.002417	0.002342	0.0005163	0.002418
Std. Dev.	0.0004426	0.0004176	0.000602	0.0004311	0.0005716	0.0002731	0.0004272
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.0025	0.00052	0.0025
Lower Lim.	0.0002	0.00033	0.0003	0.00026	0.00053	0.00038	0.00028

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-19	SGWC-20	SGWC-22
5/12/2016			0.000742 (J)	<0.0025
5/13/2016	<0.0025	<0.0025		
6/29/2016		0.0002 (J)	0.0007 (J)	<0.0025
6/30/2016	0.0003 (J)			
8/19/2016				<0.0025
8/22/2016	<0.0025	<0.0025	0.00074 (J)	
10/18/2016		<0.0025	0.00075 (J)	<0.0025
10/19/2016	<0.0025			
12/7/2016	<0.0025			<0.0025
12/8/2016		<0.0025	0.00093 (J)	
2/16/2017	<0.0025	<0.0025	0.00091 (J)	<0.0025
4/13/2017	<0.0025	<0.0025	0.00065 (J)	<0.0025
6/28/2017	<0.0025	<0.0025	0.00073 (J)	<0.0025
3/28/2018	0.00036 (J)	<0.0025	0.00079 (J)	<0.0025
6/7/2018			0.00086 (J)	<0.0025
6/8/2018	0.00035 (J)	<0.0025		
10/8/2018				<0.0025
10/9/2018		<0.0025		
10/18/2018	<0.0025		0.00079 (J)	
1/2/2019	<0.0025			
2/19/2019				<0.0025
2/20/2019	0.00033 (J)	0.00016 (J)	0.00077 (J)	
4/2/2019	<0.0025	<0.0025	0.00043 (J)	<0.0025
9/17/2019	0.00035 (J)	<0.0025	0.00057 (J)	
9/18/2019				<0.0025
2/18/2020			0.00052 (J)	<0.0025
2/19/2020		<0.0025		
2/20/2020	0.00049 (J)			
3/23/2020		<0.0025	0.00077 (J)	
3/24/2020				<0.0025
3/26/2020	0.00033 (J)			
9/15/2020	0.0003 (J)	0.00018 (J)	0.00078 (J)	0.00033 (J)
2/10/2021	0.00036 (J)	0.00019 (J)	0.0009 (J)	<0.0025
3/30/2021	0.00025 (J)	0.00018 (J)	0.00058 (J)	
3/31/2021				<0.0025
8/18/2021	0.00035 (J)			<0.0025
8/19/2021		<0.0025	0.00091 (J)	
2/10/2022	<0.0025			<0.0025
2/11/2022		<0.0025	0.00074 (J)	
8/22/2022		<0.0025	0.00062 (J)	<0.0025
8/23/2022	<0.0025			
2/22/2023	<0.0025	<0.0025	0.00044 (J)	
2/23/2023				<0.0025
8/7/2023	0.0002 (J)	<0.0025	0.00052 (J)	<0.0025
2/20/2024		<0.0025		
2/21/2024				<0.0025
2/26/2024			0.001 (J)	
2/27/2024	<0.0025			
8/1/2024		0.00022 (J)		
8/2/2024			0.00087 (J)	<0.0025
8/5/2024	<0.0025			
2/20/2025			0.0011 (J)	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-18	SGWC-19	SGWC-20	SGWC-22
2/21/2025	<0.0025	<0.0025		
Mean	0.00157	0.001986	0.0007449	0.00242
Std. Dev.	0.001094	0.0009794	0.0001661	0.0004176
Upper Lim.	0.0025	0.0025	0.0008241	0.0025
Lower Lim.	0.00035	0.00022	0.0006656	0.00033

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-8	SGWC-11	SGWC-14	SGWC-15	SGWC-18	SGWC-19
5/11/2016	<0.0025	<0.0025	<0.0025				
5/12/2016				0.000136 (J)	0.000265 (J)		
5/13/2016						0.00016 (J)	<0.0025
6/27/2016	<0.0025	<0.0025					
6/28/2016			<0.0025	<0.0025	0.0003 (J)		
6/29/2016							<0.0025
6/30/2016						0.0002 (J)	
8/17/2016	<0.0025	<0.0025	<0.0025				
8/18/2016				<0.0025	<0.0025		
8/22/2016						<0.0025	<0.0025
10/17/2016	<0.0025	<0.0025	<0.0025	<0.0025			
10/18/2016					<0.0025		<0.0025
10/19/2016						<0.0025	
12/6/2016	<0.0025	<0.0025	<0.0025				
12/7/2016				<0.0025	<0.0025	<0.0025	
12/8/2016							<0.0025
2/14/2017	<0.0025	<0.0025					
2/15/2017			<0.0025	<0.0025	0.00044 (J)		
2/16/2017						<0.0025	0.00036 (J)
4/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
4/13/2017						<0.0025	<0.0025
6/27/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
6/28/2017						<0.0025	<0.0025
3/27/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2018						<0.0025	<0.0025
10/8/2018	<0.0025			<0.0025			
10/9/2018		<0.0025					<0.0025
10/16/2018			<0.0025		<0.0025		
10/18/2018						<0.0025	
2/20/2019	<0.0025	<0.0025	<0.0025	<0.0025	0.00033 (J)	0.00023 (J)	<0.0025
4/1/2019		<0.0025	<0.0025	<0.0025	<0.0025		
4/2/2019	<0.0025					<0.0025	<0.0025
9/16/2019	<0.0025		<0.0025				
9/17/2019		<0.0025		<0.0025	0.00034 (J)	0.00018 (J)	<0.0025
2/18/2020	<0.0025	<0.0025	<0.0025				
2/19/2020				<0.0025	0.0003 (J)		<0.0025
2/20/2020						0.00032 (J)	
3/23/2020							<0.0025
3/25/2020	0.00022 (J)	0.00031 (J)	<0.0025				
3/26/2020						<0.0025	
3/27/2020				0.00057 (J)	0.00042 (J)		
9/14/2020	<0.0025	<0.0025	<0.0025				
9/15/2020				<0.0025	0.00032 (J)	<0.0025	<0.0025
2/9/2021	<0.0025	<0.0025	<0.0025	<0.0025	0.0003 (J)		
2/10/2021						0.00035 (J)	<0.0025
3/30/2021						<0.0025	<0.0025
3/31/2021					0.00027 (J)		
4/1/2021	<0.0025	<0.0025					
4/6/2021				<0.0025			
4/7/2021			<0.0025				
8/18/2021	<0.0025	<0.0025				<0.0025	
8/19/2021			0.00022 (J)	<0.0025	0.00026 (J)		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-8	SGWC-11	SGWC-14	SGWC-15	SGWC-18	SGWC-19
2/9/2022	<0.0025						
2/10/2022		<0.0025	<0.0025			<0.0025	
2/11/2022					0.00024 (J)		<0.0025
2/14/2022				<0.0025			
8/18/2022		<0.0025	<0.0025				
8/19/2022	<0.0025			<0.0025	0.00024 (J)		
8/22/2022							<0.0025
8/23/2022						<0.0025	
2/22/2023	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025
2/23/2023				<0.0025	0.00023 (J)		
8/1/2023	<0.0025						
8/2/2023			<0.0025				
8/7/2023					0.00046 (J)	0.00024 (J)	0.0001 (J)
8/8/2023		<0.0025		0.00011 (J)			
2/20/2024	<0.0025						<0.0025
2/21/2024		<0.0025					
2/23/2024			<0.0025				
2/26/2024					0.00047 (J)		
2/27/2024				<0.0025		0.00032 (J)	
8/1/2024	<0.0025	<0.0025	<0.0025	8E-05 (J)	0.00033 (J)		<0.0025
8/5/2024						0.00013 (J)	
2/19/2025		<0.0025		0.00011 (J)			
2/20/2025	<0.0025		<0.0025		0.00024 (J)		
2/21/2025						<0.0025	<0.0025
Mean	0.002412	0.002416	0.002412	0.002058	0.0009906	0.001717	0.002325
Std. Dev.	0.0004471	0.0004295	0.0004471	0.0009276	0.001028	0.001099	0.000618
Upper Lim.	0.0025	0.0025	0.0025	0.0025	0.00047	0.0025	0.0025
Lower Lim.	0.00022	0.00031	0.00022	0.00057	0.00027	0.00032	0.00036

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21
5/12/2016	0.000108 (J)	<0.0025
6/29/2016	0.0001 (J)	<0.0025
8/22/2016	<0.0025	<0.0025
10/18/2016	<0.0025	<0.0025
12/7/2016		<0.0025
12/8/2016	<0.0025	
2/16/2017	<0.0025	0.00039 (J)
4/13/2017	<0.0025	<0.0025
6/28/2017	<0.0025	<0.0025
3/28/2018	<0.0025	<0.0025
10/8/2018		<0.0025
10/18/2018	<0.0025	
2/20/2019	<0.0025	<0.0025
4/2/2019	<0.0025	<0.0025
9/17/2019	<0.0025	<0.0025
2/18/2020	<0.0025	<0.0025
3/23/2020	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025
2/10/2021	<0.0025	<0.0025
3/30/2021	<0.0025	<0.0025
8/18/2021		<0.0025
8/19/2021	<0.0025	
2/11/2022	<0.0025	<0.0025
8/22/2022	<0.0025	<0.0025
2/22/2023	<0.0025	
2/23/2023		<0.0025
8/7/2023	0.00013 (J)	
8/8/2023		<0.0025
2/26/2024	0.00015 (J)	
2/27/2024		<0.0025
8/2/2024	<0.0025	<0.0025
2/20/2025	9E-05 (J)	<0.0025
Mean	0.002041	0.002419
Std. Dev.	0.0009584	0.0004138
Upper Lim.	0.0025	0.0025
Lower Lim.	0.00015	0.00039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-12	SGWC-13	SGWC-14
5/11/2016	<0.002	<0.002	<0.002	<0.002	<0.002		
5/12/2016						<0.002	<0.002
6/27/2016	<0.002	<0.002					
6/28/2016				<0.002	<0.002	<0.002	0.0008 (J)
6/29/2016			<0.002				
8/17/2016	<0.002	<0.002		<0.002			
8/18/2016					<0.002	<0.002	<0.002
8/22/2016			<0.002				
10/17/2016		<0.002		<0.002	0.0023 (J)	<0.002	0.0012 (J)
10/18/2016	<0.002		<0.002				
12/6/2016	<0.002	<0.002		<0.002	<0.002	<0.002	
12/7/2016			<0.002				0.0012 (J)
2/14/2017	<0.002	<0.002					
2/15/2017				<0.002	<0.002	<0.002	<0.002
2/16/2017			<0.002				
4/12/2017	<0.002	0.0011 (J)		<0.002	<0.002	<0.002	<0.002
4/13/2017			<0.002				
6/27/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/27/2018	<0.002	0.0012 (J)		<0.002	<0.002	<0.002	<0.002
3/28/2018			<0.002				
6/6/2018	<0.002	0.0013 (J)	<0.002	<0.002	<0.002		
6/7/2018						<0.002	<0.002
10/8/2018					<0.002	<0.002	<0.002
10/9/2018	<0.002	0.0016 (J)	<0.002	<0.002			
2/20/2019	<0.002	0.0021 (J)	<0.002	<0.002	<0.002	<0.002	0.0016 (J)
4/1/2019	<0.002	0.0013 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
9/16/2019			<0.002		<0.002		
9/17/2019	<0.002	0.0031		<0.002		0.0017 (J)	0.0026
2/18/2020	<0.002	0.0015 (J)					
2/19/2020			<0.002	<0.002	<0.002	<0.002	<0.002
3/25/2020		<0.002	<0.002	<0.002			
3/26/2020	<0.002				<0.002		
3/27/2020						<0.002	0.0019 (J)
9/14/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
9/15/2020							<0.002
2/9/2021	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/31/2021			<0.002	<0.002			
4/1/2021	<0.002	<0.002					
4/6/2021							<0.002
4/7/2021					<0.002	<0.002	
8/18/2021	0.0026	<0.002					
8/19/2021			<0.002	<0.002		<0.002	<0.002
8/20/2021					<0.002		
2/9/2022	<0.002						
2/10/2022		<0.002	<0.002		<0.002		
2/11/2022				<0.002		<0.002	
2/14/2022							<0.002
8/18/2022	<0.002	0.055	<0.002		<0.002	<0.002	
8/19/2022				<0.002			0.0066
2/22/2023	<0.002	0.0023	<0.002	<0.002			
2/23/2023					<0.002	<0.002	<0.002
8/2/2023						<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-12	SGWC-13	SGWC-14
8/7/2023			0.0039	0.0012 (J)	<0.002		
8/8/2023	<0.002	0.0028					0.0012 (J)
2/21/2024	0.002	0.0054	0.0017 (J)				
2/23/2024				<0.002	<0.002	<0.002	
2/27/2024							0.0014 (J)
7/31/2024	<0.002						
8/1/2024		0.0032	<0.002		<0.002	<0.002	<0.002
8/5/2024				<0.002			
2/19/2025	0.0014 (J)	0.003	<0.002	<0.002	<0.002	<0.002	0.0013 (J)
Mean	0.002	0.004107	0.002059	0.00197	0.002011	0.001989	0.001993
Std. Dev.	0.0001664	0.01021	0.0003724	0.000154	5.774E-05	5.774E-05	0.000998
Upper Lim.	0.002	0.0023	0.0039	0.002	0.0023	0.002	0.002
Lower Lim.	0.002	0.0016	0.0017	0.0012	0.002	0.0017	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	0.0335	0.00943 (J)	0.0077 (J)			<0.002	<0.002
5/13/2016				0.00771 (J)	0.0151		
6/28/2016	0.0339	0.0093 (J)					
6/29/2016			0.0036 (J)		0.0141	0.0009 (J)	0.0012 (J)
6/30/2016				0.007 (J)			
8/18/2016	0.034	0.0085	0.0027				
8/22/2016				0.007	0.015	<0.002	<0.002
10/18/2016	0.033	0.0088			0.013	<0.002	<0.002
10/19/2016			0.0048	0.0064			
12/7/2016	0.032	0.0079	0.0027	0.0063			<0.002
12/8/2016					0.013	<0.002	
2/15/2017	0.03		0.0044				
2/16/2017		0.0097		0.007	0.015	<0.002	<0.002
4/12/2017	0.035						
4/13/2017		0.0098	0.0047	0.0061	0.016	<0.002	<0.002
6/27/2017	0.035	0.0096	0.0029				
6/28/2017				0.0059	0.016	<0.002	<0.002
3/27/2018	0.031	0.0098	0.0045				
3/28/2018				0.0082	0.014	<0.002	<0.002
6/7/2018	0.032	0.01	0.0083			<0.002	<0.002
6/8/2018				0.0086	0.015		
10/8/2018		0.013	0.0055				<0.002
10/9/2018					0.017		
10/16/2018	0.032						
10/18/2018				0.009		<0.002	
1/2/2019				0.0078			
2/20/2019	0.038	0.013	0.0061	0.011	0.017	<0.002	0.0015 (J)
4/1/2019	0.032						
4/2/2019		0.01	0.004	0.0092	0.014	<0.002	<0.002
9/17/2019	0.037	0.013	0.0078	0.011	0.017	0.0022 (J)	0.0016 (J)
2/18/2020						<0.002	<0.002
2/19/2020	0.038	0.014	0.0045		0.017		
2/20/2020				0.011			
3/23/2020					0.015	<0.002	<0.002
3/24/2020			0.0079				
3/26/2020				0.0096			
3/27/2020	0.034	0.011					
9/15/2020	0.034	0.012	0.0091	0.01	0.015	<0.002	0.002
2/9/2021	0.035	0.012					
2/10/2021			0.008	0.01	0.015	<0.002	<0.002
3/30/2021				0.0098	0.014	<0.002	<0.002
3/31/2021	0.034						
4/1/2021		0.012	0.0046				
8/18/2021			0.012	0.019			0.0022
8/19/2021	0.032	0.011			0.014	<0.002	
2/10/2022		0.012		0.01			
2/11/2022	0.032		0.0079		0.015	<0.002	<0.002
8/19/2022	0.032						
8/22/2022					0.013	<0.002	0.0016 (J)
8/23/2022				0.0095			
8/31/2022		0.012	0.0088				
2/22/2023			0.0084	0.0096	0.013	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
2/23/2023	0.029	0.012					<0.002
8/7/2023	0.035		0.0093	0.01	0.015	0.0016 (J)	
8/8/2023		0.014					<0.002
2/20/2024					0.018		
2/26/2024	0.035	0.013	0.0078			0.0014 (J)	
2/27/2024				0.01			<0.002
8/1/2024	0.037	0.014			0.016		
8/2/2024						0.0012 (J)	<0.002
8/5/2024			0.0028	0.01			
2/19/2025		0.015	0.0039				
2/20/2025	0.033					0.0024	<0.002
2/21/2025				0.0098	0.015		
Mean	0.03364	0.01133	0.0061	0.009161	0.01504	0.001915	0.00193
Std. Dev.	0.002252	0.001929	0.002511	0.002491	0.00137	0.0003022	0.0002072
Upper Lim.	0.03472	0.01225	0.007298	0.009957	0.0157	0.0022	0.002
Lower Lim.	0.03257	0.01041	0.004902	0.007939	0.01439	0.0016	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I	PZ-39S	PZ-41S
5/12/2016	<0.002	<0.002					
6/29/2016	0.0007 (J)	0.0013 (J)					
8/19/2016	<0.002	<0.002					
10/18/2016	<0.002	<0.002					
12/7/2016	<0.002	<0.002					
2/15/2017		<0.002					
2/16/2017	<0.002						
4/13/2017	<0.002	0.0014 (J)					
6/28/2017	<0.002	0.0025					
3/27/2018		0.0012 (J)					
3/28/2018	<0.002						
6/7/2018	<0.002	<0.002					
10/8/2018	0.0012 (J)	0.0017 (J)					
10/17/2018						0.0027	
10/18/2018					0.0049		<0.0025
1/10/2019				0.0029			
2/19/2019	<0.002	<0.002					
4/2/2019	0.0012 (J)	0.0011 (J)					
9/18/2019	0.0024 (J)	0.0024 (J)					
2/13/2020				0.0022			
2/18/2020	0.0015 (J)	<0.002					
2/19/2020							0.0058
3/24/2020	<0.002	<0.002					
9/15/2020	0.0025	0.0017 (J)					
2/10/2021	0.0015 (J)	0.0017 (J)					
3/31/2021	<0.002	0.0016 (J)					
8/18/2021	<0.002	0.0019 (J)					
2/8/2022			0.003	0.0018 (J)			
2/9/2022					0.0036	0.028	0.0058
2/10/2022	<0.002	0.0015 (J)					
8/22/2022	0.0022	0.0017 (J)					
8/23/2022				0.0024		0.014	
8/24/2022			0.0034		0.0037		0.0051
2/23/2023	<0.002	0.0016 (J)	0.0034	0.0022	0.0042		0.0059
2/24/2023						0.03	
8/1/2023				0.0021	0.0027		
8/2/2023			0.0027			0.026	0.0056
8/7/2023	0.0015 (J)						
8/8/2023		0.0025					
2/21/2024	0.003	0.0031	0.0047				
2/26/2024					0.0033		
2/27/2024						0.021	0.0058
2/28/2024				0.0023			
8/1/2024					0.0029		
8/2/2024	<0.002	0.0019 (J)					
8/5/2024			0.0025	0.0013 (J)			
8/6/2024						0.021	0.005
2/19/2025			0.0036	0.0024			
2/20/2025	0.0013 (J)						
2/21/2025		0.0022			0.0032		0.0059
2/24/2025						0.023	
Mean	0.001889	0.001889	0.003329	0.002178	0.003563	0.02071	0.005128

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I	PZ-39S	PZ-41S
Std. Dev.	0.0004526	0.0004309	0.0007251	0.000441	0.000717	0.008801	0.001493
Upper Lim.	0.0022	0.001813	0.00419	0.002604	0.004322	0.03004	0.0059
Lower Lim.	0.0015	0.00136	0.002467	0.001752	0.002803	0.01138	0.00125

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-42I	PZ-43S	PZ-44I
10/16/2018			0.0046
10/18/2018	<0.002	<0.002	
2/9/2022	<0.002	<0.002	<0.002
8/22/2022	0.003		
8/24/2022		<0.002	<0.002
2/23/2023	<0.002		
2/24/2023		0.002	
2/28/2023			<0.002
8/2/2023	<0.002	0.0012 (J)	<0.002
2/23/2024			0.0013 (J)
2/27/2024	<0.002	0.002	
8/1/2024			<0.002
8/2/2024		<0.002	
8/5/2024	<0.002		
2/20/2025	0.0012 (J)		
2/24/2025		0.002	<0.002
Mean	0.002025	0.0019	0.002238
Std. Dev.	0.0004833	0.0002828	0.0009855
Upper Lim.	0.003	0.002	0.0046
Lower Lim.	0.0012	0.0012	0.0013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	<0.0025	0.0116	0.00265 (J)	0.0156	0.0191	0.0378	0.00648 (J)
6/27/2016	0.002 (J)	0.0143	0.0012 (J)				
6/28/2016					0.0192	0.0332	0.0051 (J)
6/29/2016				0.0147			
8/17/2016	0.0018 (J)	0.012	0.00049 (J)		0.022	0.03	
8/18/2016							0.0035
8/22/2016				0.017			
10/17/2016	0.0016 (J)		<0.0025		0.05	0.032	0.003
10/18/2016		0.0099		0.017			
12/6/2016	0.0012 (J)	0.011	<0.0025		0.04	0.029	0.0036
12/7/2016				0.014			
2/14/2017	0.0022 (J)	0.0093	<0.0025				
2/15/2017					0.038	0.029	0.004
2/16/2017				0.014			
4/12/2017	0.0023 (J)	0.0062	<0.0025		0.018	0.028	0.0039
4/13/2017				0.014			
6/27/2017	0.0045	0.021	<0.0025	0.013	0.014	0.029	0.0042
3/27/2018	0.004	0.0054	<0.0025		0.026	0.024	0.0035
3/28/2018				0.0087			
6/6/2018	0.0021 (J)	0.0034	<0.0025	0.0064	0.018	0.026	0.0038
10/8/2018	<0.0025						0.0037
10/9/2018		0.013	<0.0025	0.0049	0.03		
10/16/2018						0.023	
2/20/2019	0.00011 (J)	0.0057	0.00014 (J)	0.01	0.034	0.024	0.0032
4/1/2019		0.0046	<0.0025	0.01	0.025	0.021	0.0029
4/2/2019	<0.0025						
9/16/2019	0.00013 (J)			0.001 (J)		0.022	0.003
9/17/2019		0.0039	0.00013 (J)		0.022		
2/18/2020	<0.0025	0.0067	<0.0025			0.018	
2/19/2020				0.0082	0.027		0.0027
3/25/2020	0.00027 (J)		0.00032 (J)	0.0064	0.029	0.024	
3/26/2020		0.0033					0.0024 (J)
9/14/2020	<0.0025	0.0063	<0.0025	0.00048 (J)	0.022	0.019	0.001 (J)
2/9/2021	<0.0025	0.0069	<0.0025	0.0032	0.03	0.019	0.0014 (J)
3/31/2021				0.0046	0.026		
4/1/2021	<0.0025	0.0029	<0.0025				
4/7/2021						0.019	0.0017 (J)
8/18/2021	0.00024 (J)	0.0021 (J)	0.00021 (J)				
8/19/2021				0.00072 (J)	0.022	0.014	
8/20/2021							0.0019 (J)
2/9/2022	<0.0025	0.0024 (J)					
2/10/2022			<0.0025	0.0022 (J)		0.021	0.00079 (J)
2/11/2022					0.023		
8/18/2022		0.0012 (J)	0.00075 (J)	0.00084 (J)		0.012	0.001 (J)
8/19/2022	<0.0025				0.022		
2/22/2023	0.0003 (J)	0.0014 (J)	<0.0025	0.00062 (J)	0.025	0.023	
2/23/2023							0.0014 (J)
8/1/2023	<0.0025						
8/2/2023						0.022	
8/7/2023				0.00053 (J)	0.025		0.0013 (J)
8/8/2023		0.00049 (J)	<0.0025				
2/20/2024	<0.0025						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
2/21/2024		0.00032 (J)	<0.0025	0.00066 (J)			
2/23/2024					0.03	0.022	0.0018 (J)
7/31/2024		0.00034 (J)					
8/1/2024	<0.0025		<0.0025	0.00068 (J)		0.018	0.0023 (J)
8/5/2024					0.023		
2/19/2025		0.00023 (J)	<0.0025	0.00058 (J)	0.026		0.0018 (J)
2/20/2025	<0.0025					0.02	
Mean	0.002046	0.006144	0.001977	0.007037	0.02612	0.02367	0.002791
Std. Dev.	0.001083	0.005163	0.0009328	0.006034	0.007607	0.005903	0.001362
Upper Lim.	0.0025	0.008606	0.0025	0.013	0.02975	0.02648	0.003441
Lower Lim.	0.0016	0.003681	0.0012	0.00072	0.02249	0.02085	0.002142

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
5/12/2016	0.0145	0.00605 (J)	0.267	0.00303 (J)	<0.0025		
5/13/2016						0.116	<0.0025
6/28/2016	0.011	0.0115	0.255	0.0029 (J)			
6/29/2016					0.0007 (J)		0.0006 (J)
6/30/2016						0.112	
8/18/2016	0.0099	0.011	0.26	0.0029	0.00078 (J)		
8/22/2016						0.13	0.00066 (J)
10/17/2016	0.01	0.017					
10/18/2016			0.28	0.0034			0.00095 (J)
10/19/2016					0.00094 (J)	0.14	
12/6/2016	0.0079						
12/7/2016		0.0043	0.26	0.003	0.00056 (J)	0.11	
12/8/2016							0.00078 (J)
2/15/2017	0.0073	0.0059	0.24		0.00069 (J)		
2/16/2017				0.0033		0.11	0.00049 (J)
4/12/2017	0.0078	0.017	0.28				
4/13/2017				0.0034	0.00049 (J)	0.094	<0.0025
6/27/2017	0.0068	0.013	0.29	0.0037	0.00041 (J)		
6/28/2017						0.085	<0.0025
3/27/2018	0.0035	0.0083	0.27	0.0037	<0.0025		
3/28/2018						0.16	<0.0025
6/7/2018	0.0039	0.0025	0.3	0.0037	<0.0025		
6/8/2018						0.19	<0.0025
10/8/2018	0.0036	0.0071		0.0044	0.00046 (J)		
10/9/2018							<0.0025
10/16/2018			0.27				
10/18/2018						0.21	
1/2/2019						0.11	
2/20/2019	0.004	0.011	0.26	0.0038	0.00035 (J)	0.19	0.00012 (J)
4/1/2019	0.003	0.014	0.26				
4/2/2019				0.0041	<0.0025	0.18	<0.0025
9/17/2019	0.0024 (J)	0.0096	0.27	0.0042	0.00048 (J)	0.16	0.00013 (J)
2/19/2020	0.0018 (J)	0.0099	0.28	0.0047	0.00034 (J)		0.00015 (J)
2/20/2020						0.14	
3/23/2020							<0.0025
3/24/2020					0.00044 (J)		
3/26/2020						0.15	
3/27/2020	0.002 (J)	0.0093	0.28	0.0047			
9/14/2020	0.0022 (J)						
9/15/2020		0.0076	0.25	0.0043	0.00041 (J)	0.12	0.00016 (J)
2/9/2021	0.0024 (J)	0.0052	0.26	0.0045			
2/10/2021					0.00049 (J)	0.11	0.00013 (J)
3/30/2021						0.11	<0.0025
3/31/2021			0.26				
4/1/2021				0.0049	0.00041 (J)		
4/6/2021		0.0072					
4/7/2021	0.0018 (J)						
8/18/2021					0.00043 (J)	0.095	
8/19/2021	0.0021 (J)	0.0047	0.27	0.0051			<0.0025
2/10/2022				0.0049		0.09	
2/11/2022	0.0015 (J)		0.23		0.00036 (J)		0.00045 (J)
2/14/2022		0.0065					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
8/18/2022	0.0019 (J)						
8/19/2022		0.01	0.25				
8/22/2022							<0.0025
8/23/2022						0.088	
8/31/2022				0.0054	0.00045 (J)		
2/22/2023					0.00043 (J)	0.072	<0.0025
2/23/2023	0.0016 (J)	0.0047	0.23	0.0056			
8/2/2023	0.0016 (J)						
8/7/2023			0.26		0.00052 (J)	0.064	<0.0025
8/8/2023		0.0092		0.0069			
2/20/2024							<0.0025
2/23/2024	0.0015 (J)						
2/26/2024			0.27	0.0073	0.0006 (J)		
2/27/2024		0.0038				0.069	
8/1/2024	0.0022 (J)	0.014	0.3	0.0086			<0.0025
8/5/2024					0.00045 (J)	0.069	
2/19/2025	0.0018 (J)	0.014		0.0082	0.00048 (J)		
2/20/2025			0.23				
2/21/2025						0.058	<0.0025
Mean	0.004444	0.00905	0.2641	0.004616	0.0006174	0.119	0.001653
Std. Dev.	0.003599	0.003981	0.01872	0.001552	0.0003008	0.04127	0.001058
Upper Lim.	0.0073	0.01095	0.2731	0.005219	0.0007	0.1383	0.0025
Lower Lim.	0.0019	0.007151	0.2552	0.003843	0.00043	0.09971	0.00049

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-39S
5/12/2016	0.261	<0.0025	0.00619 (J)	<0.0025			
6/29/2016	0.23	<0.0025	0.0051 (J)	<0.0025			
8/19/2016			0.0045	<0.0025			
8/22/2016	0.25	<0.0025					
10/18/2016	0.26	<0.0025	0.0043	<0.0025			
12/7/2016		<0.0025	0.0034	<0.0025			
12/8/2016	0.26						
2/15/2017				<0.0025			
2/16/2017	0.23	<0.0025	0.0031				
4/13/2017	0.19	<0.0025	0.0031	<0.0025			
6/28/2017	0.19	<0.0025	0.0029	<0.0025			
3/27/2018				<0.0025			
3/28/2018	0.18	<0.0025	0.0022 (J)				
6/7/2018	0.21	<0.0025	0.0022 (J)	<0.0025			
10/8/2018		<0.0025	0.0021 (J)	<0.0025			
10/17/2018							0.00051 (J)
10/18/2018	0.16						
1/10/2019						<0.0025	
2/19/2019			0.0018 (J)	<0.0025			
2/20/2019	0.18	0.00011 (J)					
4/2/2019	0.13	<0.0025	0.0018 (J)	<0.0025			
9/17/2019	0.13	8.7E-05 (J)					
9/18/2019			0.002 (J)	0.00013 (J)			
2/13/2020						0.00016 (J)	
2/18/2020	0.12	0.00014 (J)	0.0018 (J)	<0.0025			
3/23/2020	0.22	0.00016 (J)					
3/24/2020			0.0016 (J)	<0.0025			
9/15/2020	0.098	0.00022 (J)	0.0014 (J)	<0.0025			
9/18/2020					0.0057		
2/10/2021	0.17	0.00017 (J)	0.0015 (J)	<0.0025			
3/30/2021	0.15	0.00016 (J)					
3/31/2021			0.0011 (J)	<0.0025			
4/2/2021					0.007	0.00019 (J)	0.0003 (J)
8/18/2021		0.00016 (J)	0.001 (J)	<0.0025		0.0003 (J)	
8/19/2021	0.2						0.00028 (J)
8/20/2021					0.006		
2/8/2022					0.0052	0.00028 (J)	
2/9/2022							<0.0025
2/10/2022			0.0016 (J)	<0.0025			
2/11/2022	0.14	<0.0025					
8/22/2022	0.11	<0.0025	0.001 (J)	<0.0025			
8/23/2022						0.00046 (J)	<0.0025
8/24/2022					0.0059		
2/22/2023	0.082						
2/23/2023		<0.0025	0.00069 (J)	<0.0025	0.0057	<0.0025	
2/24/2023							<0.0025
8/1/2023						0.00039 (J)	
8/2/2023					0.0057		0.00033 (J)
8/7/2023	0.093		0.00087 (J)				
8/8/2023		<0.0025		<0.0025			
2/21/2024			0.00072 (J)	<0.0025	0.0053		
2/26/2024	0.14						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-39S
2/27/2024		<0.0025					0.00023 (J)
2/28/2024						0.00033 (J)	
8/2/2024	0.12	<0.0025	0.00077 (J)	<0.0025			
8/5/2024					0.0051	0.00024 (J)	
8/6/2024							<0.0025
2/19/2025					0.0036	0.00023 (J)	
2/20/2025	0.15	<0.0025	0.00073 (J)				
2/21/2025				<0.0025			
2/24/2025							<0.0025
Mean	0.1724	0.001804	0.002203	0.002412	0.00552	0.0006891	0.001415
Std. Dev.	0.05452	0.001093	0.001448	0.0004561	0.0008613	0.0008994	0.001146
Upper Lim.	0.1984	0.0025	0.002666	0.0025	0.006288	0.0025	0.0025
Lower Lim.	0.1464	0.00017	0.001431	0.00013	0.004752	0.00019	0.00028

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018					0.0021 (J)	
10/18/2018	0.0076	0.0092	0.0064	0.0086		
2/19/2020		0.0016 (J)				
4/5/2021		0.0012 (J)				
4/7/2021				0.00097 (J)		
8/18/2021				0.00025 (J)		
8/19/2021		0.0013 (J)				
2/9/2022		0.00093 (J)	0.00061 (J)	<0.0025	0.0024 (J)	
2/10/2022	0.0025					0.002 (J)
8/22/2022			0.0012 (J)			
8/23/2022	0.0029					
8/24/2022		0.001 (J)		<0.0025	0.0016 (J)	0.0013 (J)
2/23/2023		0.0004 (J)	<0.0025			
2/24/2023	0.0014 (J)			<0.0025		0.0021 (J)
2/28/2023					0.0019 (J)	
8/1/2023	0.0014 (J)					
8/2/2023		0.00036 (J)	0.00041 (J)	<0.0025	0.0022 (J)	0.0032
2/23/2024					0.0017 (J)	0.003
2/27/2024	0.0011 (J)	0.00032 (J)	0.00032 (J)	<0.0025		
8/1/2024					0.0027	
8/2/2024				<0.0025		0.0029
8/5/2024	0.00094 (J)		0.00025 (J)			
8/6/2024		<0.0025				
2/20/2025	0.00094 (J)		0.00035 (J)			
2/21/2025		0.00022 (J)				
2/24/2025				<0.0025	0.0014 (J)	0.0022 (J)
Mean	0.002348	0.001616	0.001349	0.002732	0.002	0.002386
Std. Dev.	0.002243	0.002558	0.002078	0.002213	0.0004342	0.0006768
Upper Lim.	0.003835	0.002096	0.002213	0.0025	0.00246	0.00319
Lower Lim.	0.0008346	0.0003762	0.0002301	0.00097	0.00154	0.001582

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	0.0394 (U)	0.214 (U)	2.05	0.134 (U)	0.26 (U)	0.182 (U)	0.433
6/27/2016	0.624	0.581	2.9				
6/28/2016					1.57	0.858	0.435
6/29/2016				0.665			
8/17/2016	0.572	0.665	2.57		0.548 (U)	0.367 (U)	
8/18/2016							0.214 (U)
8/22/2016				0.391 (U)			
10/17/2016	0.307 (U)		2.08		-0.0725 (U)	0.551	0.316 (U)
10/18/2016		0.453		0.521			
12/6/2016	0.122 (U)	0.368 (U)	2.25		0.496	0.438	0.0575 (U)
12/7/2016				0.367 (U)			
2/14/2017	0.166 (U)	0.328 (U)	1.77				
2/15/2017					0.321 (U)	-0.0831 (U)	-0.0321 (U)
2/16/2017				0.076 (U)			
4/12/2017	0.355 (U)	0.206 (U)	2.72		-0.0397 (U)	0.343 (U)	0.00949 (U)
4/13/2017				0.239 (U)			
6/27/2017	0.0783 (U)	0.598	2.07	0.268 (U)	0.47	0.369	0.183 (U)
3/27/2018	0.0443 (U)	0.546	2.3		0.136 (U)	0.172 (U)	0.445
3/28/2018				0.378			
6/6/2018	0.127 (U)	0.165 (U)	1.59	-0.0272 (U)	0.123 (U)	0.153 (U)	0.0775 (U)
10/8/2018	0.77						0.865
10/9/2018		0.385	3.01	0.565	0.387		
10/16/2018						1.06	
2/20/2019	0.25 (U)	0.433	2.5	0.425	0.0159 (U)	0.708	0.161 (U)
4/1/2019		0.675	1.91	-0.0113 (U)	0.452	0.173 (U)	0.372
4/2/2019	0.3 (U)						
9/16/2019	0.0805 (U)			-0.116 (U)		0.251 (U)	0.569 (U)
9/17/2019		0.341 (U)	2.04		0.226 (U)		
2/18/2020	-0.0675 (U)	0.326 (U)	2.06			0.203 (U)	
2/19/2020				0.0604 (U)	0.0222 (U)		0.166 (U)
3/25/2020	0.411 (U)		2.99	0.206 (U)	0.253 (U)	0.204 (U)	
3/26/2020		0.151 (U)					0.604
9/14/2020	0.334 (U)	0.123 (U)	2.16	0.502 (U)	0.125 (U)	-0.0264 (U)	0.575
2/9/2021	0.273 (U)	0.721	2.92	0.0162 (U)	-0.0573 (U)	0.114 (U)	0.146 (U)
3/31/2021				0.153 (U)	0.188 (U)		
4/1/2021	0.544	0.329 (U)	2.26				
4/7/2021						0.0576 (U)	0.0695 (U)
8/18/2021	-0.0332 (U)	0.726	1.68				
8/19/2021				0.145 (U)	0.102 (U)	0.755	
8/20/2021							0.0109 (U)
2/9/2022	0.145 (U)	0.659					
2/10/2022			2.08	0.179 (U)		0.11 (U)	0.279 (U)
2/11/2022					0.436		
8/18/2022		0.309 (U)	2.58	0.275 (U)		0.393 (U)	0.384 (U)
8/19/2022	0.243 (U)				0.606		
2/22/2023	0.0662 (U)	-0.191 (U)	0.866	0.473 (U)	0.285 (U)	-0.172 (U)	
2/23/2023							0.784
8/1/2023	0.11 (U)						
8/2/2023						1.23	
8/7/2023				0.619	0.0602 (U)		0.366 (U)
8/8/2023		0.12 (U)	1.75				
2/20/2024	0.538						

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
2/21/2024		0.22 (U)	1.29	-0.0257 (U)			
2/23/2024					0.587	0.189 (U)	0.612
7/31/2024		0.501					
8/1/2024	0.506 (U)		1.4	0.379 (U)		0.43 (U)	0.476 (U)
8/5/2024					0.411 (U)		
2/19/2025		0.477 (U)	1.11	0.132 (U)	0.792		-0.324 (U)
2/20/2025	0.271 (U)					0.388 (U)	
Mean	0.2658	0.3863	2.108	0.2588	0.3223	0.3488	0.3057
Std. Dev.	0.2168	0.2224	0.5677	0.2167	0.3372	0.3338	0.2708
Upper Lim.	0.3692	0.4923	2.378	0.3622	0.47	0.508	0.4349
Lower Lim.	0.1624	0.2802	1.837	0.1554	0.102	0.1896	0.1765

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
5/12/2016	0.0531 (U)	0.106 (U)	0.344 (U)	0.0196 (U)	0.134 (U)		
5/13/2016						0.103 (U)	-0.115 (U)
6/28/2016	0.483	0.735	0.256	0.418			
6/29/2016					0.391		0.396
6/30/2016						0.593	
8/18/2016	0.286 (U)	0.212 (U)	0.503 (U)	0.199 (U)	0.498 (U)		
8/22/2016						0.17 (U)	-0.102 (U)
10/17/2016	0.472	-0.187 (U)					
10/18/2016			0.171 (U)	0.0404 (U)			0.352 (U)
10/19/2016					0.4795 (D)	0.433	
12/6/2016	0.903						
12/7/2016		0.701	0.375 (U)	0.426	0.239 (U)	0.435 (U)	
12/8/2016							0.431 (U)
2/15/2017	-0.223 (U)	0.155 (U)	0.0801 (U)		0.175 (U)		
2/16/2017				0.163 (U)		0.101 (U)	0.146 (U)
4/12/2017	0.21 (U)	0.233 (U)	0.197 (U)				
4/13/2017				0.0522 (U)	-0.00846 (U)	-0.0014 (U)	0.127 (U)
6/27/2017	0.0574 (U)	0.302	0.0274 (U)	0.222 (U)	0.186 (U)		
6/28/2017						0.512	0.11 (U)
3/27/2018	0.145 (U)	0.306 (U)	0.285 (U)	0.387 (U)	0.249 (U)		
3/28/2018						0.428	0.247 (U)
6/7/2018	0.235 (U)	0.211 (U)	0.64	0.283 (U)	0.172 (U)		
6/8/2018						0.32 (U)	0.0462 (U)
10/8/2018	0.64	0.636		0.799	0.682		
10/9/2018							0.584
10/16/2018			0.731				
10/18/2018						0.304 (U)	
1/2/2019						0.217 (U)	
2/20/2019	0.222 (U)	0.147 (U)	0.573	0.0684 (U)	0.278 (U)	0.139 (U)	0.114 (U)
4/1/2019	0.36	-0.138 (U)	0.0499 (U)				
4/2/2019				0.167 (U)	-0.0476 (U)	0.336 (U)	0.11 (U)
9/17/2019	0.143 (U)	0.264 (U)	0.441 (U)	0.558	0.235 (U)	0.449	0.302 (U)
2/19/2020	0.218 (U)	0.0061 (U)	0.415 (U)	0.0321 (U)	0.217 (U)		0.308 (U)
2/20/2020						0.22 (U)	
3/23/2020							0.171 (U)
3/24/2020					0.426		
3/26/2020						0.366 (U)	
3/27/2020	0.235 (U)	0.206 (U)	0.39 (U)	0.305 (U)			
9/14/2020	0.613						
9/15/2020		0.131 (U)	0.546	-0.0426 (U)	0.661	1.74	1.55
2/9/2021	0.307 (U)	-0.121 (U)	0.222 (U)	-0.00967 (U)			
2/10/2021					0.55	0.423 (U)	0.235 (U)
3/30/2021						0.439 (U)	0.511
3/31/2021			0.311 (U)				
4/1/2021				0.0901 (U)	0.0517 (U)		
4/6/2021		-0.0391 (U)					
4/7/2021	0.356 (U)						
8/18/2021					0.13 (U)	0.277 (U)	
8/19/2021	0.228 (U)	-0.0806 (U)	0.518	0.037 (U)			-0.0514 (U)
2/10/2022				0.595		0.244 (U)	
2/11/2022	0.631		0.5		0.233 (U)		0.456 (U)
2/14/2022		0.377 (U)					

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
8/18/2022	0.377 (U)						
8/19/2022		0.378 (U)	0.459				
8/22/2022							0.356 (U)
8/23/2022						0.345 (U)	
8/31/2022				0.31 (U)	0.434 (U)		
2/22/2023					0.0917 (U)	0.0285 (U)	0.297 (U)
2/23/2023	0.506 (U)	0.0406 (U)	0.0665 (U)	0.183 (U)			
8/2/2023	0.631						
8/7/2023			0.819		0.262 (U)	-0.16 (U)	0.132 (U)
8/8/2023		0.177 (U)		0.0269 (U)			
2/20/2024							0.544
2/23/2024	0.242 (U)						
2/26/2024			0.353 (U)	0.633	0.559 (U)		
2/27/2024		0.788				0.591	
8/1/2024	0.133 (U)	0.159 (U)	0.643	0.219 (U)			0.419 (U)
8/5/2024					0.199 (U)	-0.0506 (U)	
2/19/2025	0.0616 (U)	0.0778 (U)		0.0992 (U)	0.173 (U)		
2/20/2025			0.586 (U)				
2/21/2025						-0.00614 (U)	-0.32 (U)
Mean	0.3157	0.2142	0.389	0.2326	0.2833	0.3213	0.2724
Std. Dev.	0.238	0.2601	0.2124	0.2215	0.1946	0.3402	0.3349
Upper Lim.	0.4293	0.3383	0.4903	0.3383	0.3762	0.433	0.419
Lower Lim.	0.2022	0.09009	0.2877	0.1269	0.1905	0.139	0.114

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
5/12/2016	0.556	0.216 (U)	0.285 (U)	0.801			
6/29/2016	0.162	0.253	1.1	0.423			
8/19/2016			0.367 (U)	0.869			
8/22/2016	0.433 (U)	0.115 (U)					
10/18/2016	0.741	0.593	0.276 (U)	0.881			
12/7/2016		0.897	0.318 (U)	0.455			
12/8/2016	1.06						
2/15/2017				0.635			
2/16/2017	0.382 (U)	0.132 (U)	0.168 (U)				
4/13/2017	0.189 (U)	0.287 (U)	0.3 (U)	0.413			
6/28/2017	0.84	0.143 (U)	0.0844 (U)	0.331 (U)			
3/27/2018				0.61			
3/28/2018	0.334 (U)	0.38	0.0661 (U)				
6/7/2018	0.235 (U)	0.514	0.222 (U)	0.64			
10/8/2018		0.374	0.499	0.437			
10/18/2018	0.399						0.882
1/10/2019						0.328 (U)	
2/19/2019			0.532	0.301 (U)			
2/20/2019	0.353	0.239 (U)					
4/2/2019	0.271 (U)	0.218 (U)	0.313 (U)	0.516			
9/17/2019	0.591	-0.04 (U)					
9/18/2019			0.101 (U)	0.285 (U)			
2/18/2020	0.474	0.287 (U)	0.0109 (U)	0.399		0.163 (U)	
3/23/2020	0.258 (U)	0.384					
3/24/2020			0.188 (U)	0.183 (U)			
9/15/2020	0.831	1.6	1.82	1.03			
2/10/2021	0.331 (U)	0.5	0.167 (U)	0.46			
3/30/2021	0.572	0.955					
3/31/2021			0.0687 (U)	0.37 (U)			
8/18/2021		0.505	0.026 (U)	0.603			
8/19/2021	-0.21 (U)						
2/8/2022					-0.0564 (U)	0.0627 (U)	
2/9/2022							0.31 (U)
2/10/2022			0.346 (U)	0.204 (U)			
2/11/2022	0.259 (U)	0.689					
8/22/2022	0.475 (U)	0.565	0.632	0.0738 (U)			
8/23/2022						0.432 (U)	
8/24/2022					0.234 (U)		0.125 (U)
2/22/2023	0.154 (U)						
2/23/2023		0.526 (U)	0.322 (U)	0.314 (U)	-0.0151 (U)	0.413 (U)	0.255 (U)
8/1/2023						0.451 (U)	0.207 (U)
8/2/2023					0.262 (U)		
8/7/2023	0.0467 (U)		0.268 (U)				
8/8/2023		0.496 (U)		0.0999 (U)			
2/21/2024			0.289 (U)	0.412 (U)	0.00672 (U)		
2/26/2024	0.357 (U)						5.77
2/27/2024		2.32					
2/28/2024						0.103 (U)	
5/6/2024							-0.0141 (U)
8/1/2024							0.768
8/2/2024	-0.0292 (U)	0.516 (U)	0.843 (U)	0.358 (U)			
8/5/2024					-0.0162 (U)	0.127 (U)	

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
2/19/2025					0.124 (U)	0.371 (U)	
2/20/2025	0.218 (U)	0.603 (U)	0.0727 (U)				
2/21/2025				0.869			-0.293 (U)
Mean	0.3808	0.5284	0.3587	0.4805	0.077	0.2723	0.89
Std. Dev.	0.2772	0.4825	0.3835	0.2476	0.1297	0.1564	1.865
Upper Lim.	0.513	0.593	0.4434	0.5986	0.2311	0.4233	1.972
Lower Lim.	0.2486	0.239	0.1654	0.3623	-0.0771	0.1213	-0.001201

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018						0.551 (U)	
10/17/2018	0.0623 (U)						
10/18/2018		1.59	0.698	0.188 (U)	1.64		
2/19/2020			0.216 (U)				
2/9/2022	0.332 (U)		0.229 (U)	0.274 (U)	0.412 (U)	0.237 (U)	
2/10/2022		0.366 (U)					0.418 (U)
8/22/2022				0.401 (U)			
8/23/2022	0.565	0.986					
8/24/2022			0.456		0.241 (U)	0.0981 (U)	0.458
2/23/2023			0.168 (U)	0.651			
2/24/2023	0.131 (U)	0.714			0.602		-0.097 (U)
2/28/2023						-0.0607 (U)	
8/1/2023		0.488 (U)					
8/2/2023	0.537 (U)		-0.192 (U)	0.426 (U)	0.256 (U)	-0.0242 (U)	0.374 (U)
2/23/2024						1.33	0.912
2/27/2024	0.503 (U)	1.88	0.0662 (U)	0.116 (U)	0.518 (U)		
8/1/2024						0.567	
8/2/2024					0.122 (U)		0.669
8/5/2024		0.228 (U)		0.324 (U)			
8/6/2024	-0.113 (U)		-0.145 (U)				
2/20/2025		0.363 (U)		1.35			
2/21/2025			0.457 (U)				
2/24/2025	0.112 (U)				0.0441 (U)	0.0662 (U)	0.347 (U)
Mean	0.2662	0.8269	0.217	0.4663	0.4794	0.3456	0.4401
Std. Dev.	0.2537	0.613	0.2893	0.3925	0.506	0.4649	0.3102
Upper Lim.	0.535	1.477	0.4964	0.8268	0.9349	1.026	0.8086
Lower Lim.	-0.002713	0.1771	-0.06232	0.1377	0.07654	-0.001786	0.07166

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	0.133 (J)	0.245 (J)	0.362	0.076 (J)	0.019 (J)	0.033 (J)	0.11 (J)
6/27/2016	0.21 (J)	0.23 (J)	0.45				
6/28/2016					<0.2	0.08 (J)	0.18 (J)
6/29/2016				0.13 (J)			
8/17/2016	0.14 (J)	0.22	0.54		<0.2	<0.2	
8/18/2016							0.12 (J)
8/22/2016				<0.2			
10/17/2016	0.11 (J)		0.51		<0.2	<0.2	0.082 (J)
10/18/2016		0.24		<0.2			
12/6/2016	0.14 (J)	0.26	0.58		<0.2	<0.2	0.11 (J)
12/7/2016				<0.2			
2/14/2017	0.2	0.17 (J)	0.39				
2/15/2017					<0.2	<0.2	0.13 (J)
2/16/2017				0.097 (J)			
4/12/2017	0.089 (J)	0.2	0.41		<0.2	<0.2	0.088 (J)
4/13/2017				<0.2			
6/27/2017	0.085 (J)	0.23	0.47	<0.2	<0.2	<0.2	0.1 (J)
10/11/2017	0.089 (J)	0.21				<0.2	<0.2
10/12/2017			0.47	<0.2	<0.2		
3/27/2018	<0.2	0.19 (J)	0.4		<0.2	<0.2	<0.2
3/28/2018				<0.2			
6/6/2018	<0.2	0.2	0.4	<0.2	<0.2	<0.2	<0.2
10/8/2018	<0.2						<0.2
10/9/2018		0.2	0.47	<0.2	<0.2		
10/16/2018						<0.2	
2/20/2019	0.092 (J)	0.2	0.32	0.074 (J)	<0.2	<0.2	0.052 (J)
4/1/2019		0.12 (J)	0.21	0.041 (J)	<0.2	<0.2	0.048 (J)
4/2/2019	0.1 (J)						
9/16/2019	0.099 (J)			0.057 (J)		<0.2	0.065 (J)
9/17/2019		0.2	0.47		<0.2		
2/18/2020	0.11	0.2	0.38			<0.2	
2/19/2020				0.061 (J)	<0.2		0.064 (J)
3/25/2020	0.13		0.31	0.079 (J)	0.031 (J)	0.058 (J)	
3/26/2020		0.14					0.081 (J)
9/14/2020	0.076 (J)	0.11	0.29	0.037 (J)	<0.2	<0.2	0.042 (J)
2/9/2021	0.12	0.22	0.37	0.05 (J)	<0.2	<0.2	0.074 (J)
3/31/2021				0.073 (J)	0.047 (J)		
4/1/2021	0.14	0.25	0.38				
4/7/2021						<0.2	0.066 (J)
8/18/2021	0.19	0.31	0.48				
8/19/2021				0.078 (J)	<0.2	<0.2	
8/20/2021							0.082 (J)
2/9/2022	0.19	0.27					
2/10/2022			0.44	0.098 (J)		<0.2	0.06 (J)
2/11/2022					0.03 (J)		
8/18/2022		0.14	0.54	0.51		0.034 (J)	0.052 (J)
8/19/2022	0.12				<0.2		
2/22/2023	0.11	0.16	0.52	0.076 (J)	0.045 (J)	0.063 (J)	
2/23/2023							0.089 (J)
8/1/2023	0.13						
8/2/2023						<0.2	
8/7/2023				0.11	<0.2		0.078 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
8/8/2023		0.21	0.78				
2/20/2024	<0.2						
2/21/2024		<0.2	1.1 (J)	<0.2			
2/23/2024					<0.2	<0.2	<0.2
7/31/2024		0.17					
8/1/2024	0.11		0.64	<0.2		<0.2	<0.2
8/5/2024					<0.2		
2/19/2025		0.23	0.17 (J)	<0.2	<0.2		<0.2
2/20/2025	<0.2					<0.2	
Mean	0.1398	0.2009	0.459	0.1445	0.1704	0.1739	0.1133
Std. Dev.	0.04474	0.04929	0.1766	0.0963	0.06474	0.05762	0.05816
Upper Lim.	0.1219	0.2239	0.5239	0.09532	0.2	0.2	0.08978
Lower Lim.	0.09328	0.1779	0.372	0.05954	0.047	0.08	0.06377

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
5/12/2016	0.042 (J)	0.031 (J)	0.1071 (J)	0.011 (J)	0.066 (J)		
5/13/2016						0.0343 (J)	0.0126 (J)
6/28/2016	0.15 (J)	0.03 (J)	0.26 (J)	0.09 (J)			
6/29/2016					0.17 (J)		0.18 (J)
6/30/2016						0.18 (J)	
8/18/2016	<0.2	<0.2	0.14 (J)	<0.2	<0.2		
8/22/2016						<0.2	<0.2
10/17/2016	<0.2	<0.2					
10/18/2016			0.12 (J)	<0.2			<0.2
10/19/2016					<0.2	<0.2	
12/6/2016	<0.2						
12/7/2016		<0.2	0.13 (J)	<0.2	<0.2	<0.2	
12/8/2016							<0.2
2/15/2017	<0.2	<0.2	0.12 (J)		0.089 (J)		
2/16/2017				<0.2		<0.2	<0.2
4/12/2017	<0.2	<0.2	0.11 (J)				
4/13/2017				<0.2	<0.2	<0.2	<0.2
6/27/2017	<0.2	<0.2	0.13 (J)	<0.2	<0.2		
6/28/2017						<0.2	<0.2
10/11/2017	<0.2	<0.2					
10/12/2017			0.13 (J)	<0.2	<0.2	<0.2	<0.2
3/27/2018	<0.2	<0.2	0.12 (J)	<0.2	<0.2		
3/28/2018						<0.2	<0.2
6/7/2018	<0.2	<0.2	0.14 (J)	<0.2	<0.2		
6/8/2018						<0.2	<0.2
10/8/2018	<0.2	<0.2		<0.2	<0.2		
10/9/2018							<0.2
10/16/2018			0.14 (J)				
10/18/2018						<0.2	
1/2/2019						<0.2	
2/20/2019	<0.2	<0.2	0.33	<0.2	0.034 (J)	<0.2	<0.2
4/1/2019	<0.2	<0.2	0.072 (J)				
4/2/2019				<0.2	0.045 (J)	0.05 (J)	<0.2
9/17/2019	0.04 (J)	0.028 (J)	0.1	<0.2	0.047 (J)	0.034 (J)	<0.2
2/19/2020	0.027 (J)	0.026 (J)	0.13	<0.2	0.046 (J)		<0.2
2/20/2020						<0.2	
3/23/2020							0.057 (J)
3/24/2020					0.058 (J)		
3/26/2020						0.091 (J)	
3/27/2020	0.045 (J)	0.041 (J)	0.13	0.027 (J)			
9/14/2020	<0.2						
9/15/2020		0.04 (J)	0.15	0.037 (J)	0.052 (J)	<0.2	<0.2
2/9/2021	<0.2	<0.2	0.14	<0.2			
2/10/2021					0.03 (J)	<0.2	<0.2
3/30/2021						0.1 (J)	<0.2
3/31/2021			0.12				
4/1/2021				<0.2	0.051 (J)		
4/6/2021		<0.2					
4/7/2021	0.053 (J)						
8/18/2021					0.087 (J)	0.099 (J)	
8/19/2021	<0.2	<0.2	0.12	0.038 (J)			<0.2
2/10/2022				<0.2		0.039 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
2/11/2022	0.045 (J)		0.14		0.064 (J)		<0.2
2/14/2022		0.035 (J)					
8/18/2022	0.038 (J)						
8/19/2022		<0.2	0.11				
8/22/2022							0.041 (J)
8/23/2022						0.1 (J)	
8/31/2022				0.058 (J)	0.058 (J)		
2/22/2023					0.06 (J)	0.061 (J)	0.046 (J)
2/23/2023	0.077 (J)	0.068 (J)	0.11	0.045 (J)			
8/2/2023	<0.2						
8/7/2023			0.13		0.076 (J)	0.043 (J)	<0.2
8/8/2023		<0.2		<0.2			
2/20/2024							<0.2
2/23/2024	<0.2						
2/26/2024			<0.2	<0.2	<0.2		
2/27/2024		<0.2				<0.2	
8/1/2024	<0.2	<0.2	<0.2	<0.2			<0.2
8/5/2024					<0.2	<0.2	
2/19/2025	<0.2	<0.2		<0.2	<0.2		
2/20/2025			<0.2				
2/21/2025						<0.2	<0.2
Mean	0.1542	0.1535	0.1332	0.1609	0.1226	0.1528	0.1763
Std. Dev.	0.07077	0.07513	0.0497	0.06992	0.07246	0.06689	0.05749
Upper Lim.	0.2	0.2	0.14	0.2	0.2	0.2	0.2
Lower Lim.	0.077	0.068	0.11	0.09	0.058	0.099	0.18

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
5/12/2016	0.259 (J)	0.079 (J)	0.029 (J)	0.0341 (J)			
6/29/2016	0.45	0.15 (J)	0.04 (J)	0.04 (J)			
8/19/2016			<0.2	<0.2			
8/22/2016	0.33	0.083 (J)					
10/18/2016	0.26	<0.2	<0.2	<0.2			
12/7/2016		<0.2	<0.2	<0.2			
12/8/2016	0.28						
2/15/2017				0.092 (J)			
2/16/2017	0.28	0.12 (J)	0.1 (J)				
4/13/2017	0.2	<0.2	<0.2	<0.2			
6/28/2017	0.22	0.1 (J)	<0.2	<0.2			
10/12/2017	0.18 (J)	<0.2	<0.2	<0.2			
3/27/2018				<0.2			
3/28/2018	0.19 (J)	<0.2	<0.2				
6/7/2018	0.21	<0.2	<0.2	<0.2			
10/8/2018		<0.2	<0.2	<0.2			
10/18/2018	0.23						<0.2
1/10/2019						<0.2	
2/19/2019			<0.2	0.055 (J)			
2/20/2019	0.2	0.051 (J)					
4/2/2019	0.15 (J)	0.066 (J)	<0.2	0.036 (J)			
9/17/2019	0.14	0.077 (J)					
9/18/2019			0.028 (J)	0.044 (J)			
2/13/2020						<0.2	
2/18/2020	0.16	0.073 (J)	<0.2	0.082 (J)			
3/23/2020	0.25	0.11					
3/24/2020			<0.2	0.081 (J)			
9/15/2020	0.15	0.061 (J)	<0.2	0.052 (J)			
2/10/2021	0.19	0.049 (J)	<0.2	0.046 (J)			
3/30/2021	0.18	0.074 (J)					
3/31/2021			<0.2	0.046 (J)			
8/18/2021		0.12	0.054 (J)	0.11			
8/19/2021	0.17						
2/8/2022					<0.2	<0.2	
2/9/2022							0.028 (J)
2/10/2022			<0.2	0.066 (J)			
2/11/2022	0.14	0.092 (J)					
8/22/2022	0.22	0.09 (J)	0.038 (J)	0.052 (J)			
8/23/2022						0.029 (J)	
8/24/2022					0.069 (J)		0.046 (J)
2/22/2023	0.13						
2/23/2023		0.087 (J)	0.075 (J)	0.089 (J)	0.042 (J)	0.043 (J)	0.049 (J)
8/1/2023						<0.2	0.052 (J)
8/2/2023					<0.2		
8/7/2023	0.18		0.04 (J)				
8/8/2023		0.097 (J)		0.077 (J)			
2/21/2024			<0.2	<0.2	<0.2		
2/26/2024	<0.2						<0.2
2/27/2024		<0.2					
2/28/2024						<0.2	
8/1/2024							<0.2
8/2/2024	<0.2	<0.2	<0.2	0.082 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
8/5/2024					<0.2	<0.2	
2/19/2025					<0.2	<0.2	
2/20/2025	<0.2	<0.2	<0.2				
2/21/2025				<0.2			<0.2
Mean	0.2018	0.1278	0.1573	0.1173	0.1587	0.1636	0.1219
Std. Dev.	0.07564	0.0585	0.06995	0.06999	0.07094	0.0724	0.08382
Upper Lim.	0.2371	0.2	0.2	0.2	0.2	0.2	0.2
Lower Lim.	0.1664	0.079	0.1	0.052	0.042	0.029	0.028

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018						<0.2	
10/17/2018	0.087 (J)						
10/18/2018		<0.2	<0.2	0.083 (J)	<0.2		
2/19/2020			<0.2				
2/9/2022	<0.2		<0.2	0.033 (J)	0.028 (J)	<0.2	
2/10/2022		<0.2					0.15
8/22/2022				0.043 (J)			
8/23/2022	0.043 (J)	0.036 (J)					
8/24/2022			0.035 (J)		0.037 (J)	0.031 (J)	0.21
2/23/2023			0.06 (J)	0.079 (J)			
2/24/2023	0.062 (J)	0.047 (J)			0.042 (J)		0.083 (J)
2/28/2023						0.034 (J)	
8/1/2023		<0.2					
8/2/2023	0.04 (J)		<0.2	0.053 (J)	<0.2	<0.2	0.087 (J)
2/23/2024						<0.2	<0.2
2/27/2024	<0.2	<0.2	<0.2	<0.2	<0.2		
8/1/2024						<0.2	
8/2/2024					<0.2		<0.2
8/5/2024		<0.2		<0.2			
8/6/2024	<0.2		<0.2				
2/20/2025		<0.2		<0.2			
2/21/2025			<0.2				
2/24/2025	<0.2				<0.2	<0.2	<0.2
Mean	0.129	0.1604	0.1661	0.1114	0.1384	0.1581	0.1614
Std. Dev.	0.07721	0.07343	0.06754	0.07525	0.08514	0.07754	0.05574
Upper Lim.	0.2	0.2	0.2	0.07964	0.2	0.2	0.21
Lower Lim.	0.04	0.036	0.035	0.03768	0.028	0.031	0.083

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-10	SGWC-12	SGWC-13	SGWC-14
5/11/2016	<0.001	<0.001	<0.001	<0.001	<0.001		
5/12/2016						<0.001	<0.001
6/27/2016	<0.001	<0.001	<0.001				
6/28/2016				<0.001	<0.001	<0.001	<0.001
8/17/2016	<0.001	0.00085 (J)	<0.001	<0.001			
8/18/2016					<0.001	<0.001	<0.001
10/17/2016	<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
10/18/2016		<0.001					
12/6/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
12/7/2016							<0.001
2/14/2017	<0.001	<0.001	<0.001				
2/15/2017				<0.001	<0.001	<0.001	<0.001
4/12/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2018	<0.001	<0.001	<0.001	<0.001	<0.001	0.00039 (J)	<0.001
6/6/2018	<0.001	<0.001	<0.001	<0.001	<0.001		
6/7/2018						<0.001	<0.001
10/8/2018	<0.001				<0.001	<0.001	<0.001
10/9/2018		<0.001	<0.001	<0.001			
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/2/2019	<0.001						
9/16/2019	<0.001				<0.001		
9/17/2019		<0.001	<0.001	0.00013 (J)		<0.001	0.00016 (J)
2/18/2020	<0.001	<0.001	<0.001				
2/19/2020				0.00014 (J)	<0.001	<0.001	<0.001
3/25/2020	0.0002 (J)		0.00029 (J)	<0.001			
3/26/2020		<0.001			<0.001		
3/27/2020						<0.001	0.00066 (J)
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/15/2020							<0.001
2/9/2021	<0.001	0.00014 (J)	0.00062 (J)	0.00013 (J)	<0.001	<0.001	<0.001
3/31/2021				<0.001			
4/1/2021	<0.001	0.00015 (J)	<0.001				
4/6/2021							<0.001
4/7/2021					<0.001	<0.001	
8/18/2021	<0.001	<0.001	<0.001				
8/19/2021				<0.001		<0.001	<0.001
8/20/2021					<0.001		
2/9/2022	<0.001	<0.001					
2/10/2022			<0.001		0.0002 (J)		
2/11/2022				<0.001		<0.001	
2/14/2022							<0.001
8/18/2022		<0.001	<0.001		<0.001	<0.001	
8/19/2022	<0.001			<0.001			0.00028 (J)
2/22/2023	<0.001	<0.001	<0.001	<0.001			
2/23/2023					<0.001	<0.001	<0.001
8/1/2023	<0.001						
8/2/2023						<0.001	
8/7/2023				<0.001	<0.001		
8/8/2023		<0.001	<0.001				<0.001
2/20/2024	<0.001						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-10	SGWC-12	SGWC-13	SGWC-14
2/21/2024		<0.001	<0.001				
2/23/2024				<0.001	<0.001	0.00038 (J)	
2/27/2024							<0.001
7/31/2024		<0.001					
8/1/2024	<0.001		<0.001		<0.001	<0.001	<0.001
8/5/2024				<0.001			
2/19/2025		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/20/2025	0.00054 (J)						
Mean	0.0009533	0.0009311	0.0009596	0.0009037	0.0009704	0.0009544	0.0009296
Std. Dev.	0.0001746	0.0002284	0.0001525	0.0002776	0.000154	0.0001641	0.0002154
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00054	0.00085	0.00062	0.00014	0.0002	0.00039	0.00066

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
5/12/2016	<0.001	<0.001	<0.001			<0.001	<0.001
5/13/2016				<0.001	<0.001		
6/28/2016	<0.001	<0.001					
6/29/2016			<0.001		<0.001	0.0005 (J)	9E-05 (J)
6/30/2016				<0.001			
8/18/2016	<0.001	<0.001	<0.001				
8/22/2016				<0.001	<0.001	<0.001	<0.001
10/18/2016	<0.001	<0.001			<0.001	<0.001	<0.001
10/19/2016			<0.001	<0.001			
12/7/2016	<0.001	<0.001	<0.001	<0.001			<0.001
12/8/2016					<0.001	<0.001	
2/15/2017	<0.001		<0.001				
2/16/2017		<0.001		<0.001	<0.001	0.00035 (J)	<0.001
4/12/2017	<0.001						
4/13/2017		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/27/2017	<0.001	<0.001	<0.001				
6/28/2017				<0.001	<0.001	0.00041 (J)	<0.001
3/27/2018	<0.001	<0.001	<0.001				
3/28/2018				<0.001	<0.001	<0.001	<0.001
6/7/2018	<0.001	<0.001	<0.001			<0.001	<0.001
6/8/2018				<0.001	<0.001		
10/8/2018		<0.001	<0.001				<0.001
10/9/2018					<0.001		
10/16/2018	<0.001						
10/18/2018				<0.001		<0.001	
1/2/2019				<0.001			
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.00027 (J)	<0.001
4/1/2019	<0.001						
4/2/2019		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/17/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.00025 (J)	<0.001
2/18/2020						0.00025 (J)	<0.001
2/19/2020	<0.001	<0.001	<0.001		<0.001		
2/20/2020				<0.001			
3/23/2020					<0.001	0.00023 (J)	<0.001
3/24/2020			<0.001				
3/26/2020				<0.001			
3/27/2020	0.00023 (J)	0.00013 (J)					
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001	0.00017 (J)	0.00022 (J)
2/9/2021	<0.001	<0.001					
2/10/2021			0.00017 (J)	0.00029 (J)	<0.001	0.0003 (J)	0.00016 (J)
3/30/2021				<0.001	<0.001	0.00018 (J)	0.0002 (J)
3/31/2021	<0.001						
4/1/2021		<0.001	<0.001				
8/18/2021			<0.001	0.00071 (J)			0.00041 (J)
8/19/2021	<0.001	<0.001			<0.001	0.00034 (J)	
2/10/2022		<0.001		<0.001			
2/11/2022	<0.001		<0.001		0.00033 (J)	0.00021 (J)	<0.001
8/19/2022	<0.001						
8/22/2022					<0.001	0.00028 (J)	0.0002 (J)
8/23/2022				<0.001			
8/31/2022		<0.001	<0.001				
2/22/2023			<0.001	<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-21
2/23/2023	<0.001	<0.001					<0.001
8/7/2023	<0.001		<0.001	<0.001	<0.001	<0.001	
8/8/2023		<0.001					<0.001
2/20/2024					<0.001		
2/26/2024	<0.001	<0.001	<0.001			<0.001	
2/27/2024				<0.001			<0.001
8/1/2024	<0.001	<0.001			<0.001		
8/2/2024						<0.001	<0.001
8/5/2024			<0.001	<0.001			
2/19/2025		<0.001	<0.001				
2/20/2025	<0.001					<0.001	0.0047
2/21/2025				<0.001	<0.001		
Mean	0.0009715	0.0009678	0.0009693	0.0009643	0.0009752	0.000657	0.0009622
Std. Dev.	0.0001482	0.0001674	0.0001597	0.000143	0.0001289	0.0003682	0.0008186
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00023	0.00013	0.00017	0.00071	0.00033	0.00027	0.00041

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-22	SGWC-23	PZ-13S	PZ-42I
5/12/2016	<0.001	<0.001		
6/29/2016	<0.001	9E-05 (J)		
8/19/2016	<0.001	<0.001		
10/18/2016	<0.001	<0.001		
12/7/2016	<0.001	<0.001		
2/15/2017		<0.001		
2/16/2017	<0.001			
4/13/2017	<0.001	<0.001		
6/28/2017	<0.001	<0.001		
3/27/2018		<0.001		
3/28/2018	<0.001			
6/7/2018	<0.001	<0.001		
10/8/2018	<0.001	<0.001		
10/18/2018				<0.001
2/19/2019	<0.001	<0.001		
4/2/2019	<0.001	<0.001		
9/18/2019	<0.001	<0.001		
2/18/2020	0.00018 (J)	<0.001		
3/24/2020	<0.001	<0.001		
9/15/2020	0.00019 (J)	<0.001		
2/10/2021	0.00016 (J)	<0.001		
3/31/2021	0.00015 (J)	<0.001		
8/18/2021	<0.001	<0.001		
2/8/2022			<0.001	
2/9/2022				<0.001
2/10/2022	<0.001	<0.001		
8/22/2022	0.00017 (J)	<0.001		0.00019 (J)
8/24/2022			<0.001	
2/23/2023	<0.001	<0.001	<0.001	<0.001
8/2/2023			<0.001	<0.001
8/7/2023	<0.001			
8/8/2023		<0.001		
2/21/2024	<0.001	<0.001	<0.001	
2/27/2024				<0.001
8/2/2024	<0.001	<0.001		
8/5/2024			<0.001	<0.001
2/19/2025			0.00069 (J)	
2/20/2025	<0.001			<0.001
2/21/2025		<0.001		
Mean	0.0008463	0.0009663	0.0009557	0.0008988
Std. Dev.	0.0003286	0.0001751	0.0001172	0.0002864
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.00019	9E-05	0.00069	0.00019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/27/2016	<0.005	0.0031 (J)	0.0013 (J)				
6/28/2016					<0.005	0.0013 (J)	<0.005
6/29/2016				<0.005			
8/17/2016	<0.005	0.0046 (J)	<0.005		<0.005	<0.005	
8/18/2016							<0.005
8/22/2016				<0.005			
10/17/2016	<0.005		<0.005		<0.005	<0.005	<0.005
10/18/2016		0.0036 (J)		<0.005			
12/6/2016	<0.005	0.0043 (J)	<0.005		<0.005	<0.005	<0.005
12/7/2016				<0.005			
2/14/2017	<0.005	0.0043 (J)	<0.005				
2/15/2017					<0.005	<0.005	<0.005
2/16/2017				<0.005			
4/12/2017	<0.005	0.0051	<0.005		<0.005	<0.005	<0.005
4/13/2017				<0.005			
6/27/2017	<0.005	0.0033 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
3/27/2018	<0.005	0.0061	0.0023 (J)		<0.005	0.0029 (J)	<0.005
3/28/2018				<0.005			
6/6/2018	<0.005	0.004 (J)	0.0018 (J)	<0.005	<0.005	0.0017 (J)	<0.005
10/8/2018	<0.005						<0.005
10/9/2018		0.0053	0.002 (J)	<0.005	<0.005		
10/16/2018						0.0031 (J)	
2/20/2019	<0.005	0.006	<0.005	<0.005	<0.005	0.0031 (J)	<0.005
4/1/2019		0.0058	0.0021 (J)	<0.005	<0.005	0.0017 (J)	0.0011 (J)
4/2/2019	<0.005						
9/16/2019	<0.005			<0.005		<0.005	<0.005
9/17/2019		0.0049	<0.005		<0.005		
2/18/2020	<0.005	0.0052	<0.005			<0.005	
2/19/2020				<0.005	<0.005		<0.005
3/25/2020	<0.005		<0.005	<0.005	<0.005	<0.005	
3/26/2020		0.006					<0.005
9/14/2020	<0.005	0.0051	<0.005	<0.005	<0.005	<0.005	<0.005
2/9/2021	<0.005	0.0052	<0.005	<0.005	<0.005	<0.005	<0.005
3/31/2021				<0.005	<0.005		
4/1/2021	<0.005	0.0053	<0.005				
4/7/2021						<0.005	<0.005
8/18/2021	<0.005	0.0034 (J)	<0.005				
8/19/2021				<0.005	<0.005	<0.005	
8/20/2021							<0.005
2/9/2022	0.0013 (J)	0.0048 (J)					
2/10/2022			0.0015 (J)	<0.005		0.0022 (J)	<0.005
2/11/2022					<0.005		
8/18/2022		0.0061	0.0025 (J)	0.0014 (J)		0.0033 (J)	0.0012 (J)
8/19/2022	0.0023 (J)				0.0011 (J)		
2/22/2023	<0.005	0.0056	0.0014 (J)	<0.005	<0.005	0.0024 (J)	
2/23/2023							<0.005
8/1/2023	<0.005						
8/2/2023						<0.005	
8/7/2023				<0.005	<0.005		<0.005
8/8/2023		0.0041 (J)	<0.005				
2/20/2024	0.0046 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
2/21/2024		0.003 (J)	<0.005	<0.005			
2/23/2024					<0.005	<0.005	<0.005
7/31/2024		0.002 (J)					
8/1/2024	0.004 (J)		<0.005	<0.005		0.0059	<0.005
8/5/2024					<0.005		
2/19/2025		0.0063	<0.005	<0.005	<0.005		<0.005
2/20/2025	<0.005					0.0043 (J)	
Mean	0.004711	0.00463	0.00407	0.004867	0.004856	0.004144	0.004715
Std. Dev.	0.0008746	0.001192	0.001477	0.0006928	0.0007506	0.001332	0.001028
Upper Lim.	0.005	0.005198	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0046	0.004061	0.0023	0.0014	0.0011	0.0031	0.0012

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
5/12/2016	<0.005	<0.005	<0.005	<0.005	<0.005		
5/13/2016						<0.005	<0.005
6/28/2016	<0.005	<0.005	0.0024 (J)	<0.005			
6/29/2016					<0.005		<0.005
6/30/2016						0.0032 (J)	
8/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005		
8/22/2016						<0.005	<0.005
10/17/2016	<0.005	<0.005					
10/18/2016			<0.005	<0.005			<0.005
10/19/2016					<0.005	0.0042 (J)	
12/6/2016	<0.005						
12/7/2016		<0.005	<0.005	<0.005	<0.005	<0.005	
12/8/2016							<0.005
2/15/2017	<0.005	<0.005	<0.005		<0.005		
2/16/2017				<0.005		0.0034 (J)	<0.005
4/12/2017	<0.005	<0.005	<0.005				
4/13/2017				<0.005	<0.005	<0.005	<0.005
6/27/2017	<0.005	<0.005	<0.005	<0.005	<0.005		
6/28/2017						<0.005	<0.005
3/27/2018	<0.005	<0.005	0.0034 (J)	<0.005	0.0014 (J)		
3/28/2018						0.0056	<0.005
6/7/2018	<0.005	<0.005	0.003 (J)	<0.005	<0.005		
6/8/2018						0.0042 (J)	0.0022 (J)
10/8/2018	0.0014 (J)	0.0011 (J)		0.0015 (J)	<0.005		
10/9/2018							<0.005
10/16/2018			0.0034 (J)				
10/18/2018						0.0054	
1/2/2019						0.0055	
2/20/2019	<0.005	<0.005	0.0038 (J)	<0.005	<0.005	0.0054	<0.005
4/1/2019	<0.005	<0.005	0.0025 (J)				
4/2/2019				<0.005	<0.005	0.0041 (J)	0.0021 (J)
9/17/2019	<0.005	<0.005	0.0037	<0.005	<0.005	0.005	<0.005
2/19/2020	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005
2/20/2020						0.0045 (J)	
3/23/2020							<0.005
3/24/2020					<0.005		
3/26/2020						0.0046 (J)	
3/27/2020	<0.005	<0.005	0.0038 (J)	<0.005			
9/14/2020	<0.005						
9/15/2020		<0.005	0.0037 (J)	<0.005	<0.005	0.0049 (J)	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005			
2/10/2021					<0.005	0.0055	<0.005
3/30/2021						0.0043 (J)	<0.005
3/31/2021			<0.005				
4/1/2021				<0.005	<0.005		
4/6/2021		<0.005					
4/7/2021	<0.005						
8/18/2021					<0.005	0.0047 (J)	
8/19/2021	<0.005	<0.005	<0.005	<0.005			<0.005
2/10/2022				<0.005		0.0039 (J)	
2/11/2022	<0.005		0.0027 (J)		<0.005		0.0072
2/14/2022		<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-19
8/18/2022	0.0012 (J)						
8/19/2022		0.0015 (J)	0.0038 (J)				
8/22/2022							0.0012 (J)
8/23/2022						0.0032 (J)	
8/31/2022				0.0012 (J)	<0.005		
2/22/2023					<0.005	0.0035 (J)	0.0015 (J)
2/23/2023	<0.005	<0.005	0.0022 (J)	<0.005			
8/2/2023	<0.005						
8/7/2023			<0.005		<0.005	<0.005	<0.005
8/8/2023		<0.005		<0.005			
2/20/2024							0.015
2/23/2024	<0.005						
2/26/2024			<0.005	<0.005	<0.005		
2/27/2024		0.0021 (J)				0.0069	
8/1/2024	0.0026 (J)	<0.005	0.0042 (J)	<0.005			0.0027 (J)
8/5/2024					<0.005	<0.005	
2/19/2025	0.0025 (J)	0.0035 (J)		0.0038 (J)	<0.005		
2/20/2025			0.0038 (J)				
2/21/2025						0.0026 (J)	0.016
Mean	0.004544	0.004563	0.004126	0.004685	0.004867	0.004629	0.005293
Std. Dev.	0.00114	0.001126	0.000969	0.0009894	0.0006928	0.0009083	0.003233
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.00465	0.0072
Lower Lim.	0.0026	0.0035	0.0034	0.0038	0.0014	0.003707	0.0027

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
5/12/2016	<0.005	<0.005	<0.005	<0.005			
6/29/2016	0.0043 (J)	<0.005	<0.005	0.0027 (J)			
8/19/2016			<0.005	<0.005			
8/22/2016	0.0051	<0.005					
10/18/2016	0.0038 (J)	<0.005	<0.005	0.0032 (J)			
12/7/2016		<0.005	<0.005	0.0043 (J)			
12/8/2016	0.0043 (J)						
2/15/2017				<0.005			
2/16/2017	0.0047 (J)	<0.005	<0.005				
4/13/2017	0.004 (J)	<0.005	<0.005	0.0036 (J)			
6/28/2017	0.0032 (J)	<0.005	<0.005	0.0032 (J)			
3/27/2018				0.005			
3/28/2018	0.0053	0.0038 (J)	0.0033 (J)				
6/7/2018	0.0038 (J)	0.0013 (J)	<0.005	0.0027 (J)			
10/8/2018		0.0019 (J)	0.0011 (J)	0.0035 (J)			
10/18/2018	0.0062						0.0017 (J)
1/10/2019						<0.005	
2/19/2019			<0.005	<0.005			
2/20/2019	0.0048 (J)	<0.005					
4/2/2019	0.0046 (J)	0.0027 (J)	0.0026 (J)	0.0041 (J)			
9/17/2019	0.0042	<0.005					
9/18/2019			<0.005	0.0043			
2/13/2020						<0.005	
2/18/2020	0.0036 (J)	<0.005	<0.005	<0.005			
3/23/2020	0.0045 (J)	<0.005					
3/24/2020			<0.005	<0.005			
9/15/2020	0.0037 (J)	<0.005	<0.005	<0.005			
2/10/2021	0.0047 (J)	<0.005	<0.005	<0.005			
3/30/2021	<0.005	<0.005					
3/31/2021			<0.005	<0.005			
4/2/2021						<0.005	
8/18/2021		<0.005	<0.005	<0.005		<0.005	
8/19/2021	0.0046 (J)						
2/8/2022					0.0025 (J)	0.0015 (J)	
2/9/2022							<0.005
2/10/2022			<0.005	0.0029 (J)			
2/11/2022	0.0037 (J)	0.0011 (J)					
8/22/2022	0.003 (J)	<0.005	0.00087 (J)	0.002 (J)			
8/23/2022						0.0011 (J)	
8/24/2022					0.0023 (J)		<0.005
2/22/2023	0.0025 (J)						
2/23/2023		<0.005	0.0019 (J)	0.0042 (J)	0.0033 (J)	0.0022 (J)	0.0016 (J)
8/1/2023						<0.005	<0.005
8/2/2023					<0.005		
8/7/2023	<0.005		<0.005				
8/8/2023		<0.005		<0.005			
2/21/2024			<0.005	0.0027 (J)	<0.005		
2/26/2024	<0.005						<0.005
2/27/2024		<0.005					
2/28/2024						<0.005	
8/1/2024							<0.005
8/2/2024	0.004 (J)	0.0033 (J)	<0.005	0.0034 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-20	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-14S	PZ-17I
8/5/2024					<0.005	<0.005	
2/19/2025					<0.005	0.0031 (J)	
2/20/2025	0.0071	<0.005	<0.005				
2/21/2025				0.0051			<0.005
Mean	0.004063	0.004411	0.004436	0.004144	0.004014	0.0039	0.004162
Std. Dev.	0.001133	0.001221	0.00127	0.0009846	0.001267	0.0016	0.001551
Upper Lim.	0.004603	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.003523	0.0038	0.0033	0.0034	0.0023	0.0015	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-43S	PZ-44I	PZ-69I
10/16/2018						0.069	
10/17/2018	0.0027 (J)						
10/18/2018		0.015	0.0029 (J)	0.004 (J)	0.0015 (J)		
2/19/2020			<0.005				
3/2/2020						<0.005	
3/31/2021						0.023	
4/7/2021						0.02	
8/18/2021						0.0095	
2/9/2022	0.012		<0.005	0.0026 (J)	0.0031 (J)	0.01	
2/10/2022		0.01					0.0029 (J)
8/22/2022				0.0036 (J)			
8/23/2022	0.022	0.01					
8/24/2022			0.00099 (J)		0.0032 (J)	0.011	0.0025 (J)
2/23/2023			<0.005	0.0064			
2/24/2023	0.0071	0.011			0.0046 (J)		0.0026 (J)
2/28/2023						0.014	
8/1/2023		0.0083					
8/2/2023	0.0063		<0.005	0.0055	<0.005	0.015	<0.005
2/23/2024						0.01	<0.005
2/27/2024	<0.005	0.0071	<0.005	0.0049 (J)	0.0038 (J)		
8/1/2024						0.06	
8/2/2024					0.0045 (J)		0.0045 (J)
8/5/2024		0.012		<0.005			
8/6/2024	0.0094		<0.005				
2/20/2025		0.013		0.028			
2/21/2025			0.0057				
2/24/2025	0.0025 (J)				<0.005	0.037	<0.005
Mean	0.008062	0.0108	0.004399	0.007187	0.003837	0.02342	0.003929
Std. Dev.	0.006614	0.002541	0.001489	0.008518	0.001203	0.02114	0.0012
Upper Lim.	0.01448	0.01349	0.0057	0.028	0.004556	0.03617	0.005
Lower Lim.	0.002234	0.008107	0.00099	0.0025	0.002344	0.008255	0.0025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/27/2016	<0.0002	<0.0002	<0.0002				
6/28/2016					<0.0002	<0.0002	<0.0002
6/29/2016				<0.0002			
8/17/2016	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	
8/18/2016							<0.0002
8/22/2016				<0.0002			
10/17/2016	<0.0002		<0.0002		<0.0002	<0.0002	<0.0002
10/18/2016		<0.0002		<0.0002			
12/6/2016	0.00011 (J)	0.00011 (J)	7.6E-05 (J)		0.00013 (J)	0.0001 (J)	9.3E-05 (J)
12/7/2016				0.0001 (J)			
2/14/2017	<0.0002	<0.0002	<0.0002				
2/15/2017					<0.0002	<0.0002	<0.0002
2/16/2017				<0.0002			
4/12/2017	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
4/13/2017				<0.0002			
6/27/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/27/2018	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
3/28/2018				<0.0002			
6/6/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/8/2018	<0.0002						<0.0002
10/9/2018		<0.0002	<0.0002	<0.0002	<0.0002		
10/16/2018						<0.0002	
2/20/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/1/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/2/2019	<0.0002						
9/16/2019	<0.0002			<0.0002		<0.0002	<0.0002
9/17/2019		<0.0002	<0.0002		<0.0002		
2/18/2020	<0.0002	<0.0002	<0.0002			<0.0002	
2/19/2020				<0.0002	<0.0002		<0.0002
3/25/2020	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	
3/26/2020		<0.0002					<0.0002
9/14/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/9/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/31/2021				<0.0002	<0.0002		
4/1/2021	<0.0002	<0.0002	<0.0002				
4/7/2021						<0.0002	<0.0002
8/18/2021	<0.0002	<0.0002	<0.0002				
8/19/2021				<0.0002	<0.0002	<0.0002	
8/20/2021							<0.0002
2/9/2022	<0.0002	<0.0002					
2/10/2022			<0.0002	<0.0002		<0.0002	<0.0002
2/11/2022					<0.0002		
8/18/2022		<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
8/19/2022	<0.0002				<0.0002		
2/22/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/23/2023							<0.0002
8/1/2023	<0.0002						
8/2/2023						<0.0002	
8/7/2023				<0.0002	<0.0002		<0.0002
8/8/2023		<0.0002	<0.0002				
2/20/2024	<0.0002						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
2/21/2024		<0.0002	<0.0002	<0.0002			
2/23/2024					<0.0002	<0.0002	<0.0002
7/31/2024		<0.0002					
8/1/2024	<0.0002		<0.0002	<0.0002		<0.0002	<0.0002
8/5/2024					<0.0002		
2/19/2025		<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
2/20/2025	<0.0002					<0.0002	
Mean	0.0001967	0.0001967	0.0001954	0.0001963	0.0001974	0.0001963	0.000196
Std. Dev.	1.732E-05	1.732E-05	2.386E-05	1.925E-05	1.347E-05	1.925E-05	2.059E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00011	0.00011	7.6E-05	0.0001	0.00013	0.0001	9.3E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/8/2025 5:31 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-20
5/12/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
5/13/2016						<0.0002	
6/28/2016	<0.0002	<0.0002	<0.0002	<0.0002			
6/29/2016					<0.0002		<0.0002
6/30/2016						<0.0002	
8/18/2016	<0.0002	<0.0002	0.00011 (J)	<0.0002	<0.0002		
8/22/2016						0.00014 (J)	7.3E-05 (J)
10/17/2016	<0.0002	8.9E-05 (J)					
10/18/2016			0.00012 (J)	<0.0002			<0.0002
10/19/2016					<0.0002	<0.0002	
12/6/2016	0.00011 (J)						
12/7/2016		0.00012 (J)	0.00017 (J)	7.6E-05 (J)	0.00011 (J)	0.00014 (J)	
12/8/2016							<0.0002
2/15/2017	<0.0002	<0.0002	0.00011 (J)		<0.0002		
2/16/2017				<0.0002		8.4E-05 (J)	<0.0002
4/12/2017	<0.0002	<0.0002	7.2E-05 (J)				
4/13/2017				<0.0002	<0.0002	<0.0002	<0.0002
6/27/2017	<0.0002	<0.0002	8.4E-05 (J)	<0.0002	<0.0002		
6/28/2017						<0.0002	<0.0002
3/27/2018	<0.0002	0.0001 (J)	0.00014 (J)	<0.0002	<0.0002		
3/28/2018						8.3E-05 (J)	<0.0002
6/7/2018	<0.0002	<0.0002	0.00013 (J)	<0.0002	0.00011 (J)		8.2E-05 (J)
6/8/2018						0.00014 (J)	
10/8/2018	<0.0002	<0.0002		<0.0002	<0.0002		
10/16/2018			<0.0002				
10/18/2018						0.00021	<0.0002
1/2/2019						0.00024	
2/20/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00026	<0.0002
4/1/2019	<0.0002	<0.0002	<0.0002				
4/2/2019				<0.0002	<0.0002	0.0002	<0.0002
9/17/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00014 (J)	<0.0002
2/18/2020							<0.0002
2/19/2020	<0.0002	0.0002	0.00016 (J)	<0.0002	<0.0002		
2/20/2020						0.00022	
3/23/2020							<0.0002
3/24/2020					<0.0002		
3/26/2020						0.00019 (J)	
3/27/2020	<0.0002	<0.0002	0.00011 (J)	<0.0002			
9/14/2020	<0.0002						
9/15/2020		<0.0002	<0.0002	<0.0002	<0.0002	0.00013 (J)	<0.0002
2/9/2021	<0.0002	<0.0002	0.00013 (J)	<0.0002			
2/10/2021					<0.0002	0.00018 (J)	<0.0002
3/30/2021						0.00022	0.00013 (J)
3/31/2021			0.00018 (J)				
4/1/2021				<0.0002	<0.0002		
4/6/2021		<0.0002					
4/7/2021	<0.0002						
8/18/2021					0.00017 (J)	0.00022	
8/19/2021	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002
2/10/2022				<0.0002		<0.0002	
2/11/2022	<0.0002		<0.0002		<0.0002		<0.0002
2/14/2022		<0.0002					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-16	SGWC-17	SGWC-18	SGWC-20
8/18/2022	<0.0002						
8/19/2022		<0.0002	<0.0002				
8/31/2022				<0.0002	0.00013 (J)		
10/31/2022						<0.0002	<0.0002
2/22/2023					<0.0002	<0.0002	<0.0002
2/23/2023	<0.0002	<0.0002	<0.0002	<0.0002			
8/2/2023	<0.0002						
8/7/2023			0.0001 (J)		<0.0002	8.3E-05 (J)	<0.0002
8/8/2023		<0.0002		<0.0002			
2/23/2024	<0.0002						
2/26/2024			0.00013 (J)	<0.0002	9.1E-05 (J)		<0.0002
2/27/2024		<0.0002				<0.0002	
8/1/2024	<0.0002	<0.0002	8.9E-05 (J)	<0.0002			
8/2/2024							<0.0002
8/5/2024					<0.0002	<0.0002	
2/19/2025	<0.0002	8.1E-05 (J)		<0.0002	8.7E-05 (J)		
2/20/2025			0.00015 (J)				<0.0002
2/21/2025						<0.0002	
Mean	0.0001967	0.0001848	0.000155	0.0001954	0.0001814	0.0001814	0.0001883
Std. Dev.	1.732E-05	3.755E-05	4.467E-05	2.386E-05	3.788E-05	4.614E-05	3.468E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001824	0.0002
Lower Lim.	0.00011	0.00012	0.00012	7.6E-05	0.00017	0.0001241	0.00013

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-44I
5/12/2016	<0.0002	<0.0002	<0.0002		
6/29/2016	<0.0002	<0.0002	<0.0002		
8/19/2016		<0.0002	7.1E-05 (J)		
8/22/2016	<0.0002				
10/18/2016	<0.0002	<0.0002	<0.0002		
12/7/2016	0.0001 (J)	9.9E-05 (J)	0.00011 (J)		
2/15/2017			<0.0002		
2/16/2017	<0.0002	<0.0002			
4/13/2017	<0.0002	<0.0002	<0.0002		
6/28/2017	<0.0002	<0.0002	<0.0002		
3/27/2018			<0.0002		
3/28/2018	<0.0002	<0.0002			
6/7/2018	<0.0002	<0.0002	0.00028		
10/8/2018	<0.0002	<0.0002	<0.0002		
10/16/2018					8.4E-05 (J)
2/19/2019		<0.0002	<0.0002		
2/20/2019	<0.0002				
4/2/2019	<0.0002	<0.0002	<0.0002		
9/17/2019	<0.0002				
9/18/2019		<0.0002	<0.0002		
2/18/2020	<0.0002	<0.0002	0.00011 (J)		
3/23/2020	<0.0002				
3/24/2020		<0.0002	<0.0002		
9/15/2020	<0.0002	<0.0002	<0.0002		
2/10/2021	<0.0002	<0.0002	<0.0002		
3/30/2021	<0.0002				
3/31/2021		<0.0002	<0.0002		
8/18/2021	<0.0002	<0.0002	<0.0002		
2/8/2022				0.00022	
2/9/2022					<0.0002
2/10/2022		<0.0002	<0.0002		
2/11/2022	<0.0002				
8/24/2022				0.00024	<0.0002
10/31/2022	<0.0002	<0.0002	<0.0002		
2/23/2023	<0.0002	<0.0002	<0.0002	0.00015 (J)	
2/28/2023					<0.0002
8/2/2023				0.00016 (J)	<0.0002
8/7/2023		<0.0002			
8/8/2023	<0.0002		<0.0002		
2/21/2024		<0.0002	<0.0002	9.6E-05 (J)	
2/23/2024					<0.0002
2/27/2024	<0.0002				
8/1/2024					<0.0002
8/2/2024	<0.0002	<0.0002	<0.0002		
8/5/2024				0.00013 (J)	
2/19/2025				0.00069	
2/20/2025	<0.0002	<0.0002			
2/21/2025			<0.0002		
2/24/2025					<0.0002
Mean	0.0001963	0.0001963	0.0001915	0.0002409	0.0001855
Std. Dev.	1.925E-05	1.944E-05	3.788E-05	0.0002042	4.101E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0004163	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-21	SGWC-22	SGWC-23	PZ-13S	PZ-44I
Lower Lim.	0.0001	9.9E-05	0.00011	9.181E-05	8.4E-05

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-12	SGWC-14	SGWC-23
5/11/2016	<0.015	0.00343 (J)	<0.015	<0.015	<0.015		
5/12/2016						<0.015	<0.015
6/27/2016	0.0007 (J)	0.0033 (J)	0.0008 (J)				
6/28/2016					0.0012 (J)	<0.015	
6/29/2016				0.0021 (J)			<0.015
8/17/2016	<0.015	0.002 (J)	<0.015				
8/18/2016					0.0011 (J)	<0.015	
8/19/2016							<0.015
8/22/2016				0.00099 (J)			
10/17/2016	<0.015		<0.015		<0.015	<0.015	
10/18/2016		0.0012 (J)		0.0014 (J)			<0.015
12/6/2016	<0.015	0.0021 (J)	<0.015		<0.015		
12/7/2016				0.001 (J)		<0.015	<0.015
2/14/2017	<0.015	<0.015	<0.015				
2/15/2017					<0.015	0.003 (J)	<0.015
2/16/2017				<0.015			
4/12/2017	<0.015	0.0033 (J)	<0.015		<0.015	<0.015	
4/13/2017				0.001 (J)			<0.015
6/27/2017	0.00099 (J)	0.0021 (J)	<0.015	<0.015	<0.015	<0.015	
6/28/2017							<0.015
3/27/2018	<0.015	<0.015	<0.015		<0.015	<0.015	<0.015
3/28/2018				<0.015			
10/8/2018	<0.015				<0.015	<0.015	<0.015
10/9/2018		<0.015	<0.015	<0.015			
2/19/2019							<0.015
2/20/2019	<0.015	0.0013 (J)	<0.015	0.00075 (J)	<0.015	<0.015	
4/1/2019		<0.015	<0.015	<0.015	<0.015	<0.015	
4/2/2019	<0.015						<0.015
9/16/2019	<0.015			0.00067 (J)	<0.015		
9/17/2019		0.0014 (J)	<0.015			<0.015	
9/18/2019							<0.015
2/18/2020	<0.015	0.0014 (J)	<0.015				<0.015
2/19/2020				0.00063 (J)	<0.015	<0.015	
3/24/2020							<0.015
3/25/2020	<0.015		<0.015	<0.015			
3/26/2020		0.001 (J)			<0.015		
3/27/2020						0.00081 (J)	
9/14/2020	<0.015	0.0012 (J)	<0.015	<0.015	<0.015		
9/15/2020						<0.015	<0.015
2/9/2021	<0.015	0.0014 (J)	<0.015	0.00063 (J)	<0.015	<0.015	
2/10/2021							<0.015
3/31/2021				<0.015			<0.015
4/1/2021	<0.015	0.0009 (J)	<0.015				
4/6/2021						<0.015	
4/7/2021					<0.015		
8/18/2021	<0.015	0.0016 (J)	<0.015				<0.015
8/19/2021				<0.015		<0.015	
8/20/2021					<0.015		
2/9/2022	<0.015	0.0012 (J)					
2/10/2022			<0.015	<0.015	<0.015		<0.015
2/14/2022						<0.015	
8/18/2022		0.0011 (J)	0.00073 (J)	<0.015	<0.015		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-12	SGWC-14	SGWC-23
8/19/2022	<0.015					<0.015	
8/22/2022							<0.015
2/22/2023	<0.015	<0.015	<0.015	<0.015			
2/23/2023					<0.015	<0.015	0.00062 (J)
8/1/2023	<0.015						
8/7/2023				<0.015	<0.015		
8/8/2023		0.001 (J)	<0.015			<0.015	<0.015
2/20/2024	<0.015						
2/21/2024		0.0014 (J)	<0.015	<0.015			<0.015
2/23/2024					<0.015		
2/27/2024						<0.015	
7/31/2024		0.0011 (J)					
8/1/2024	<0.015		<0.015	<0.015	<0.015	<0.015	
8/2/2024							<0.015
2/19/2025		0.001 (J)	<0.015	<0.015	<0.015	<0.015	
2/20/2025	<0.015						
2/21/2025							<0.015
Mean	0.01391	0.004209	0.0139	0.01016	0.01393	0.01399	0.01445
Std. Dev.	0.003847	0.005416	0.003868	0.006788	0.003764	0.003572	0.00282
Upper Lim.	0.015	0.0033	0.015	0.015	0.015	0.015	0.015
Lower Lim.	0.00099	0.0012	0.0008	0.001	0.0012	0.003	0.00062

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-40I	PZ-42I	PZ-69I
2/9/2022	0.0011 (J)		0.0057 (J)	
2/10/2022		<0.015		0.0017 (J)
8/22/2022			0.0062 (J)	
8/23/2022	0.0013 (J)	0.00079 (J)		
8/24/2022				0.00081 (J)
2/23/2023			0.0066 (J)	
2/24/2023	0.0011 (J)	<0.015		0.00069 (J)
8/1/2023		<0.015		
8/2/2023	0.0011 (J)		0.0062 (J)	0.0011 (J)
2/23/2024				<0.015
2/27/2024	0.00099 (J)	<0.015	0.0067 (J)	
8/2/2024				<0.015
8/5/2024		<0.015	0.0079 (J)	
8/6/2024	0.00087 (J)			
2/20/2025		<0.015	0.0097 (J)	
2/24/2025	<0.015			<0.015
Mean	0.001994	0.01297	0.007	0.007043
Std. Dev.	0.002431	0.005371	0.001374	0.00745
Upper Lim.	0.0075	0.015	0.00859	0.015
Lower Lim.	0.00087	0.00079	0.005478	0.00069

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals
Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
5/11/2016	<0.005	<0.005	<0.005	<0.005			
5/12/2016					<0.005	<0.005	0.00965 (J)
6/27/2016	<0.005	<0.005					
6/28/2016			<0.005	<0.005	<0.005	<0.005	0.0101
8/17/2016	<0.005	<0.005	<0.005				
8/18/2016				0.00031 (J)	<0.005	<0.005	0.0014
10/17/2016	<0.005		<0.005	<0.005	0.0003 (J)	<0.005	
10/18/2016		<0.005					0.0013
12/6/2016	<0.005	<0.005	<0.005	<0.005	<0.005		
12/7/2016						<0.005	0.0007 (J)
2/14/2017	<0.005	<0.005					
2/15/2017			<0.005	<0.005	<0.005	0.00066 (J)	0.00075 (J)
4/12/2017	0.00034 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/27/2017	0.00057 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	0.0013
3/27/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/6/2018	0.00032 (J)	<0.005	<0.005	<0.005			
6/7/2018					0.00064 (J)	0.00084 (J)	0.0014
10/8/2018	<0.005			<0.005	<0.005	<0.005	
10/9/2018		0.00034 (J)					
10/16/2018			0.00046 (J)				0.0021
2/20/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0034
4/1/2019		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/2/2019	<0.005						
9/16/2019	<0.005		<0.005	<0.005			
9/17/2019		<0.005			<0.005	<0.005	<0.005
2/18/2020	<0.005	<0.005	<0.005				
2/19/2020				<0.005	<0.005	<0.005	<0.005
3/25/2020	<0.005		<0.005				
3/26/2020		<0.005		<0.005			
3/27/2020					<0.005	<0.005	<0.005
9/14/2020	<0.005	<0.005	<0.005	<0.005	<0.005		
9/15/2020						<0.005	<0.005
2/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/31/2021							<0.005
4/1/2021	<0.005	<0.005					
4/6/2021						<0.005	
4/7/2021			<0.005	<0.005	<0.005		
8/18/2021	<0.005	<0.005					
8/19/2021			<0.005		<0.005	<0.005	<0.005
8/20/2021				<0.005			
2/9/2022	<0.005	<0.005					
2/10/2022			<0.005	<0.005			
2/11/2022					<0.005		<0.005
2/14/2022						<0.005	
8/18/2022		<0.005	<0.005	<0.005	<0.005		
8/19/2022	<0.005					<0.005	<0.005
2/22/2023	<0.005	<0.005	<0.005				
2/23/2023				<0.005	<0.005	<0.005	<0.005
8/1/2023	<0.005						
8/2/2023			<0.005		<0.005		
8/7/2023				<0.005			<0.005
8/8/2023		<0.005				<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-11	SGWC-12	SGWC-13	SGWC-14	SGWC-15
2/20/2024	<0.005						
2/21/2024		<0.005					
2/23/2024			<0.005	<0.005	<0.005		
2/26/2024							0.0084
2/27/2024						<0.005	
7/31/2024		<0.005					
8/1/2024	<0.005		<0.005	<0.005	<0.005	<0.005	0.0048 (J)
2/19/2025		<0.005		<0.005	<0.005	<0.005	
2/20/2025	<0.005		<0.005				0.0035 (J)
Mean	0.00449	0.004827	0.004832	0.004826	0.004664	0.004685	0.0044
Std. Dev.	0.00147	0.0008968	0.0008737	0.0009026	0.00121	0.001135	0.002423
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00057	0.00034	0.00046	0.00031	0.00064	0.00084	0.0021

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-23	PZ-17I
5/12/2016	<0.005	<0.005			0.00396 (J)	<0.005	
5/13/2016			0.023	<0.005			
6/28/2016	<0.005						
6/29/2016		<0.005		<0.005	0.0053 (J)	<0.005	
6/30/2016			0.0263				
8/18/2016	0.00053 (J)	<0.005					
8/19/2016						<0.005	
8/22/2016			0.0066	<0.005	0.0012 (J)		
10/18/2016	<0.005			<0.005	<0.005	<0.005	
10/19/2016		<0.005	0.0057				
12/7/2016	<0.005	<0.005	0.006			<0.005	
12/8/2016				<0.005	<0.005		
2/15/2017		<0.005				<0.005	
2/16/2017	<0.005		0.0055	<0.005	<0.005		
4/13/2017	<0.005	<0.005	0.0049	<0.005	<0.005	<0.005	
6/27/2017	0.001 (J)	0.00024 (J)					
6/28/2017			0.0047	0.00096 (J)	0.00064 (J)	0.00033 (J)	
3/27/2018	<0.005	<0.005				<0.005	
3/28/2018			0.0085	<0.005	<0.005		
6/7/2018	0.0013	0.00064 (J)			0.00066 (J)	<0.005	
6/8/2018			0.014	0.00063 (J)			
10/8/2018	0.0014	0.00028 (J)				0.00026 (J)	
10/9/2018				0.0005 (J)			
10/18/2018			0.017		0.00049 (J)		0.00047 (J)
1/2/2019			0.0034				
2/19/2019						0.00021 (J)	
2/20/2019	0.0012 (J)	<0.005	0.027	<0.005	0.0011 (J)		
4/2/2019	0.0021	<0.005	0.0075	<0.005	<0.005	<0.005	
9/17/2019	<0.005	<0.005	0.0036	<0.005	<0.005		
9/18/2019						<0.005	
2/18/2020					<0.005	<0.005	
2/19/2020	<0.005	<0.005		<0.005			
2/20/2020			0.0024 (J)				
3/23/2020				<0.005	<0.005		
3/24/2020		<0.005				<0.005	
3/26/2020			0.0019 (J)				
3/27/2020	<0.005						
9/15/2020	<0.005	<0.005	0.003 (J)	<0.005	<0.005	<0.005	
2/9/2021	<0.005						
2/10/2021		<0.005	0.0016 (J)	<0.005	<0.005	<0.005	
3/30/2021			<0.005	<0.005	<0.005		
3/31/2021						<0.005	
4/1/2021	<0.005	<0.005					
8/18/2021		<0.005	0.002 (J)			<0.005	
8/19/2021	<0.005			<0.005	<0.005		
2/9/2022							<0.005
2/10/2022	0.00092 (J)		0.0021 (J)			<0.005	
2/11/2022		<0.005		<0.005	<0.005		
8/22/2022				0.00099 (J)	<0.005	<0.005	
8/23/2022			0.00085 (J)				
8/24/2022							<0.005
8/31/2022	0.001 (J)	<0.005					

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-16	SGWC-17	SGWC-18	SGWC-19	SGWC-20	SGWC-23	PZ-17I
2/22/2023		<0.005	<0.005	<0.005	<0.005		
2/23/2023	0.00093 (J)					0.00075 (J)	<0.005
8/1/2023							<0.005
8/7/2023		<0.005	<0.005	<0.005	<0.005		
8/8/2023	<0.005					<0.005	
2/20/2024				<0.005			
2/21/2024						<0.005	
2/26/2024	<0.005	<0.005			0.0041 (J)		<0.005
2/27/2024			0.0053				
8/1/2024	<0.005			<0.005			<0.005
8/2/2024					0.002 (J)	<0.005	
8/5/2024		<0.005	0.0064				
2/19/2025	<0.005	<0.005					
2/20/2025					<0.005		
2/21/2025			0.0031 (J)	<0.005		<0.005	<0.005
Mean	0.003718	0.004487	0.007137	0.004373	0.004054	0.004317	0.004434
Std. Dev.	0.001864	0.001479	0.007397	0.001534	0.001694	0.001672	0.001602
Upper Lim.	0.005	0.005	0.007215	0.005	0.005	0.005	0.005
Lower Lim.	0.0013	0.00064	0.003178	0.00099	0.00396	0.00075	0.00047

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	PZ-39S	PZ-40I	PZ-41S	PZ-42I	PZ-44I
10/16/2018					0.00046 (J)
10/17/2018	<0.005				
10/18/2018		0.00059 (J)	0.0045	0.00026 (J)	
2/19/2020			0.0053		
2/9/2022	0.0022 (J)		0.0061	<0.005	<0.005
2/10/2022		<0.005			
8/22/2022				<0.005	
8/23/2022	0.0014 (J)	<0.005			
8/24/2022			0.0062		<0.005
2/23/2023			0.0071	<0.005	
2/24/2023	0.0019 (J)	<0.005			
2/28/2023					<0.005
8/1/2023		<0.005			
8/2/2023	0.0014 (J)		0.0069	<0.005	<0.005
2/23/2024					<0.005
2/27/2024	<0.005	<0.005	0.0073	<0.005	
8/1/2024					<0.005
8/5/2024		<0.005		<0.005	
8/6/2024	0.001 (J)		0.0065		
2/20/2025		<0.005		<0.005	
2/21/2025			0.0051		
2/24/2025	0.0015 (J)				<0.005
Mean	0.002425	0.004449	0.006111	0.004407	0.004432
Std. Dev.	0.001629	0.001559	0.0009649	0.001676	0.001605
Upper Lim.	0.001965	0.005	0.007043	0.005	0.005
Lower Lim.	0.00105	0.00059	0.005179	0.00026	0.00046

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
5/11/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/27/2016	<0.001	<0.001	<0.001				
6/28/2016					0.0001 (J)	<0.001	<0.001
6/29/2016				<0.001			
8/17/2016	<0.001	<0.001	<0.001		<0.001	<0.001	
8/18/2016							<0.001
8/22/2016				<0.001			
10/17/2016	<0.001		<0.001		<0.001	<0.001	<0.001
10/18/2016		<0.001		<0.001			
12/6/2016	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
12/7/2016				<0.001			
2/14/2017	<0.001	<0.001	<0.001				
2/15/2017					<0.001	<0.001	<0.001
2/16/2017				<0.001			
4/12/2017	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
4/13/2017				<0.001			
6/27/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/27/2018	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001
3/28/2018				<0.001			
6/6/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
10/8/2018	<0.001						<0.001
10/9/2018		<0.001	<0.001	<0.001	<0.001		
10/16/2018						<0.001	
2/20/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2019		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4/2/2019	<0.001						
9/16/2019	<0.001			<0.001		<0.001	<0.001
9/17/2019		<0.001	0.00023 (J)		<0.001		
2/18/2020	0.00028 (J)	0.00022 (J)	0.0002 (J)			0.00016 (J)	
2/19/2020				0.00027 (J)	0.00075 (J)		0.00034 (J)
3/25/2020	0.00049 (J)		0.00079 (J)	<0.001	<0.001	<0.001	
3/26/2020		<0.001					<0.001
9/14/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00023 (J)
2/9/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/31/2021				<0.001	<0.001		
4/1/2021	0.00023 (J)	0.00042 (J)	0.00021 (J)				
4/7/2021						<0.001	<0.001
8/18/2021	0.00017 (J)	<0.001	<0.001				
8/19/2021				0.0004 (J)	0.00024 (J)	0.00015 (J)	
8/20/2021							<0.001
2/9/2022	<0.001	<0.001					
2/10/2022			<0.001	<0.001		<0.001	<0.001
2/11/2022					<0.001		
8/18/2022		<0.001	<0.001	<0.001		<0.001	<0.001
8/19/2022	<0.001				<0.001		
2/22/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/23/2023							<0.001
8/1/2023	<0.001						
8/2/2023						<0.001	
8/7/2023				<0.001	<0.001		<0.001
8/8/2023		<0.001	<0.001				
2/20/2024	<0.001						

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-6	SGWC-7	SGWC-8	SGWC-9	SGWC-10	SGWC-11	SGWC-12
2/21/2024		<0.001	<0.001	<0.001			
2/23/2024					<0.001	<0.001	<0.001
7/31/2024		<0.001					
8/1/2024	<0.001		<0.001	<0.001		<0.001	<0.001
8/5/2024					<0.001		
2/19/2025		<0.001	<0.001	<0.001	<0.001		<0.001
2/20/2025	<0.001					<0.001	
Mean	0.0008952	0.0009496	0.0009048	0.0009507	0.0009293	0.0009374	0.000947
Std. Dev.	0.0002604	0.0001836	0.0002524	0.0001784	0.0002249	0.0002255	0.0001914
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00049	0.00042	0.00079	0.0004	0.00075	0.00016	0.00034

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-17	SGWC-18	SGWC-20	SGWC-22
5/12/2016	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001
5/13/2016					<0.001		
6/28/2016	<0.001	<0.001	9E-05 (J)				
6/29/2016				<0.001		0.0002 (J)	<0.001
6/30/2016					0.0002 (J)		
8/18/2016	<0.001	<0.001	<0.001	<0.001			
8/19/2016							<0.001
8/22/2016					0.00015 (J)	0.00018 (J)	
10/17/2016	<0.001	<0.001					
10/18/2016			<0.001			0.00016 (J)	<0.001
10/19/2016				<0.001	0.00012 (J)		
12/6/2016	<0.001						
12/7/2016		<0.001	<0.001	<0.001	9.5E-05 (J)		<0.001
12/8/2016						0.0001 (J)	
2/15/2017	<0.001	<0.001	8.5E-05 (J)	<0.001			
2/16/2017					0.00013 (J)	0.00014 (J)	<0.001
4/12/2017	<0.001	<0.001	9.5E-05 (J)				
4/13/2017				<0.001	0.00012 (J)	0.00021 (J)	<0.001
6/27/2017	<0.001	<0.001	0.0001 (J)	<0.001			
6/28/2017					0.00013 (J)	0.00018 (J)	<0.001
3/27/2018	<0.001	<0.001	<0.001	<0.001			
3/28/2018					0.00011 (J)	9E-05 (J)	<0.001
6/7/2018	<0.001	<0.001	<0.001	<0.001		0.00014 (J)	<0.001
6/8/2018					0.00019 (J)		
10/8/2018	<0.001	<0.001		<0.001			<0.001
10/16/2018			0.0001 (J)				
10/18/2018					0.00019 (J)	0.00018 (J)	
1/2/2019					<0.001		
2/19/2019							<0.001
2/20/2019	<0.001	<0.001	9.8E-05 (J)	<0.001	0.00021 (J)	0.00018 (J)	
4/1/2019	<0.001	<0.001	9.5E-05 (J)				
4/2/2019				<0.001	0.00016 (J)	0.00017 (J)	<0.001
9/17/2019	<0.001	<0.001	0.00016 (J)	<0.001	0.00025 (J)	0.00021 (J)	
9/18/2019							<0.001
2/18/2020						0.00033 (J)	<0.001
2/19/2020	0.00022 (J)	0.00018 (J)	0.00031 (J)	<0.001			
2/20/2020					0.00066 (J)		
3/23/2020						0.00016 (J)	
3/24/2020				<0.001			<0.001
3/26/2020					0.00029 (J)		
3/27/2020	<0.001	0.0011	0.00045 (J)				
9/14/2020	<0.001						
9/15/2020		0.00035 (J)	0.00027 (J)	<0.001	0.00027 (J)	0.00028 (J)	0.00038 (J)
2/9/2021	<0.001	<0.001	<0.001				
2/10/2021				0.00024 (J)	0.00068 (J)	0.00025 (J)	<0.001
3/30/2021					0.00024 (J)	0.00018 (J)	
3/31/2021			<0.001				<0.001
4/1/2021				<0.001			
4/6/2021		0.00017 (J)					
4/7/2021	<0.001						
8/18/2021				<0.001	0.00022 (J)		<0.001
8/19/2021	<0.001	<0.001	<0.001			0.00018 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-13	SGWC-14	SGWC-15	SGWC-17	SGWC-18	SGWC-20	SGWC-22
2/10/2022					<0.001		<0.001
2/11/2022	<0.001		<0.001	<0.001		<0.001	
2/14/2022		<0.001					
8/18/2022	<0.001						
8/19/2022		<0.001	<0.001				
8/22/2022						<0.001	<0.001
8/23/2022					<0.001		
8/31/2022				<0.001			
2/22/2023				<0.001	<0.001	<0.001	
2/23/2023	<0.001	<0.001	<0.001				<0.001
8/2/2023	<0.001						
8/7/2023			<0.001	<0.001	<0.001	<0.001	<0.001
8/8/2023		<0.001					
2/21/2024							<0.001
2/23/2024	<0.001						
2/26/2024			<0.001	<0.001		<0.001	
2/27/2024		<0.001			<0.001		
8/1/2024	<0.001	<0.001	<0.001				
8/2/2024						<0.001	<0.001
8/5/2024				<0.001	<0.001		
2/19/2025	<0.001	<0.001		<0.001			
2/20/2025			<0.001			<0.001	<0.001
2/21/2025					<0.001		
Mean	0.0009711	0.0009185	0.0006612	0.0009719	0.0004791	0.0004267	0.000977
Std. Dev.	0.0001501	0.0002492	0.0004231	0.0001463	0.0003889	0.000382	0.0001193
Upper Lim.	0.001	0.001	0.001	0.001	0.00068	0.00033	0.001
Lower Lim.	0.00022	0.00035	0.00016	0.00024	0.00016	0.00017	0.00038

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/8/2025 5:32 PM View: Confidence Intervals

Plant Scherer Client: Southern Company Data: Scherer AP

	SGWC-23	PZ-41S
5/12/2016	<0.001	
6/29/2016	<0.001	
8/19/2016	<0.001	
10/18/2016	<0.001	
12/7/2016	<0.001	
2/15/2017	<0.001	
4/13/2017	<0.001	
6/28/2017	<0.001	
3/27/2018	<0.001	
6/7/2018	<0.001	
10/8/2018	<0.001	
10/18/2018		<0.001
2/19/2019	<0.001	
4/2/2019	<0.001	
9/18/2019	<0.001	
2/18/2020	<0.001	
2/19/2020		0.00034 (J)
3/24/2020	<0.001	
9/15/2020	0.00016 (J)	
2/10/2021	<0.001	
3/31/2021	<0.001	
8/18/2021	<0.001	
2/9/2022		<0.001
2/10/2022	<0.001	
8/22/2022	<0.001	
8/24/2022		<0.001
2/23/2023	<0.001	<0.001
8/2/2023		<0.001
8/8/2023	<0.001	
2/21/2024	<0.001	
2/27/2024		<0.001
8/2/2024	<0.001	
8/6/2024		<0.001
2/21/2025	<0.001	<0.001
Mean	0.0009689	0.0009267
Std. Dev.	0.0001617	0.00022
Upper Lim.	0.001	0.001
Lower Lim.	0.00016	0.00034

ND substitution: RL or RL/2 if <15% NDs.

FIGURE J.

Appendix IV Trend Tests - Confidence Interval Exceedances - Significant Results

Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 4:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.001701**	**-260**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.001657**	**-263**	**-96**	**Yes**	**27**	**14.81**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-11**	**-0.002089**	**-234**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-18**	**-0.008455**	**-168**	**-101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.01635**	**-213**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**

Appendix IV Trend Tests - Confidence Interval Exceedances - All Results

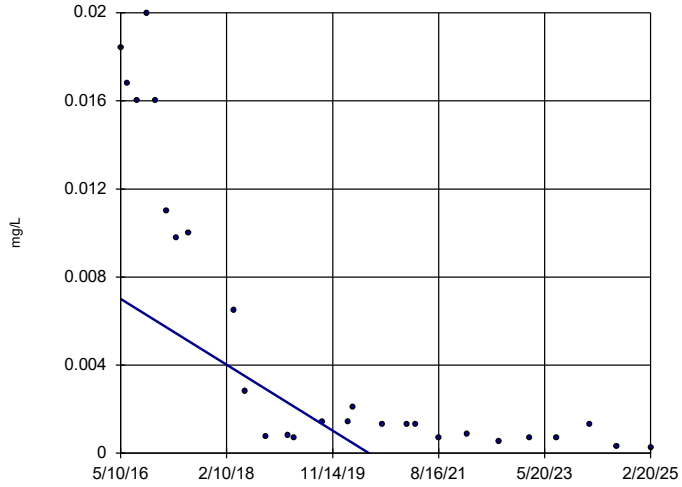
Plant Scherer Client: Southern Company Data: Scherer AP Printed 4/17/2025, 4:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Cobalt (mg/L)	**SGWA-1 (bg)**	**-0.001701**	**-260**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWA-2 (bg)	0	13	96	No	27	92.59	n/a	0.05	NP
Cobalt (mg/L)	SGWA-3 (bg)	0	22	96	No	27	96.3	n/a	0.05	NP
Cobalt (mg/L)	SGWA-4 (bg)	0	17	96	No	27	92.59	n/a	0.05	NP
Cobalt (mg/L)	SGWA-5 (bg)	0	0	96	No	27	100	n/a	0.05	NP
Cobalt (mg/L)	SGWA-24 (bg)	0	17	96	No	27	70.37	n/a	0.05	NP
Cobalt (mg/L)	**SGWA-25 (bg)**	**-0.001657**	**-263**	**-96**	**Yes**	**27**	**14.81**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWC-10	0	16	96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	**SGWC-11**	**-0.002089**	**-234**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	SGWC-14	-0.0002829	-41	-96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	SGWC-15	-0.001247	-49	-96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	**SGWC-18**	**-0.008455**	**-168**	**-101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**SGWC-20**	**-0.01635**	**-213**	**-96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**

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Sen's Slope Estimator

SGWA-1 (bg)



n = 27

Slope = -0.001701 units per year.

Mann-Kendall statistic = -260 critical = -96

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

Constituent: Cobalt Analysis Run 4/17/2025 4:11 PM View: Appendix IV Trend Tests

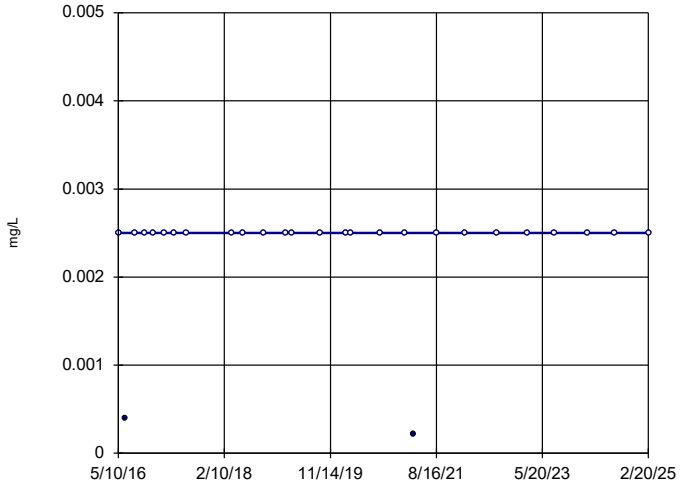
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-2 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 13 critical = 96

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

Constituent: Cobalt Analysis Run 4/17/2025 4:11 PM View: Appendix IV Trend Tests

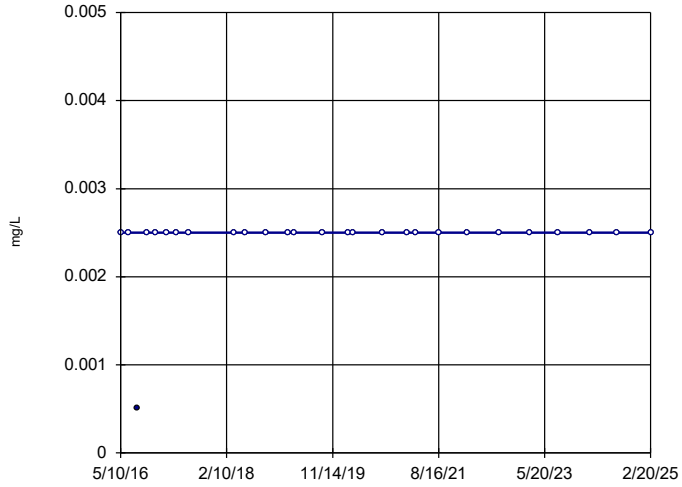
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-3 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 22 critical = 96

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

Constituent: Cobalt Analysis Run 4/17/2025 4:11 PM View: Appendix IV Trend Tests

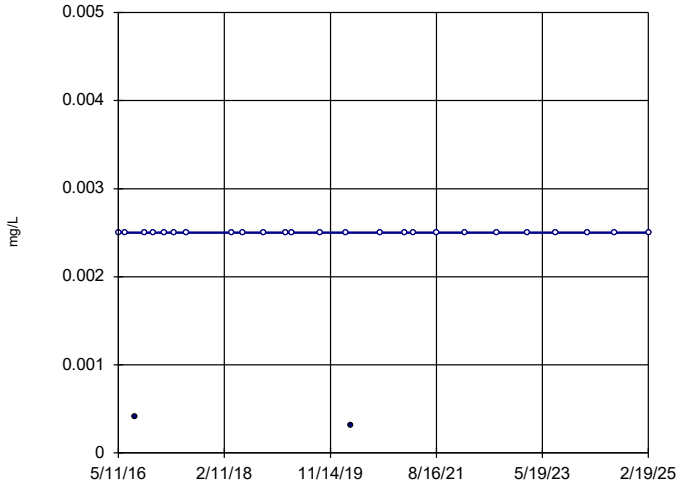
Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-4 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 17 critical = 96

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

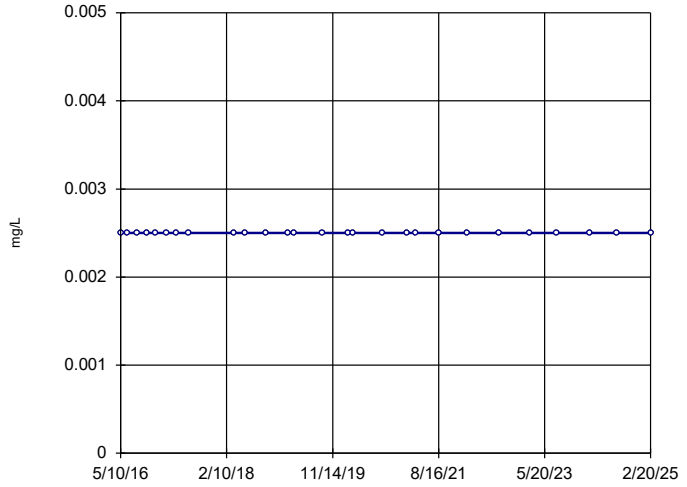
Constituent: Cobalt Analysis Run 4/17/2025 4:11 PM View: Appendix IV Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-5 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 96

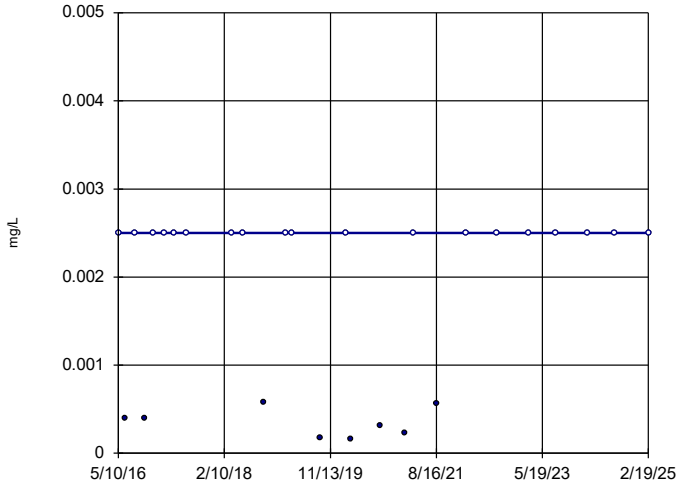
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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-24 (bg)



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 17
critical = 96

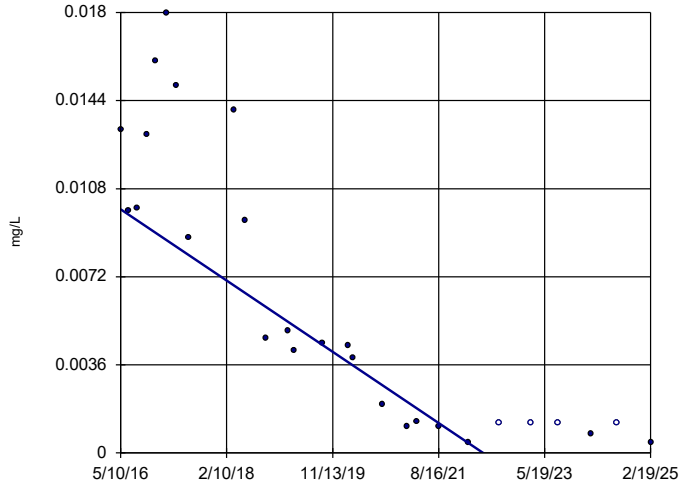
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Plant Scherer Client: Southern Company Data: Scherer AP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SGWA-25 (bg)



n = 27

Slope = -0.001657 units per year.

Mann-Kendall statistic = -263
critical = -96

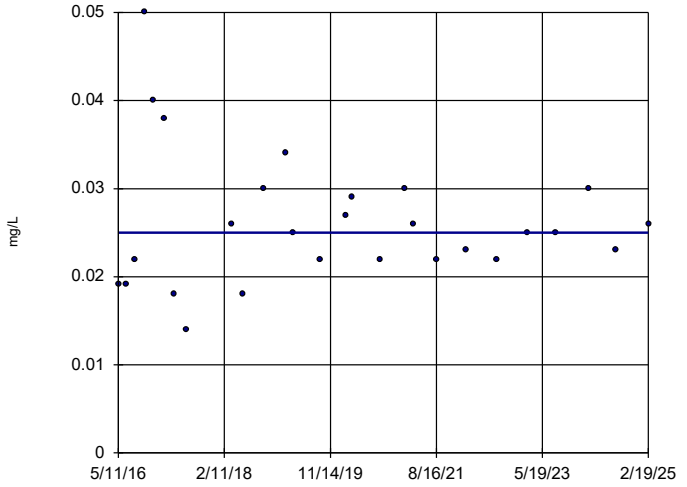
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-10



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 96

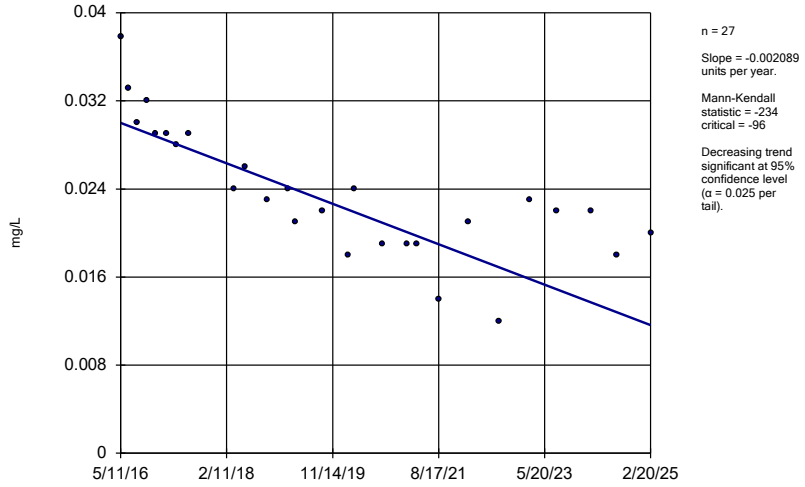
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-11



n = 27

Slope = -0.002089 units per year.

Mann-Kendall statistic = -234
critical = -96

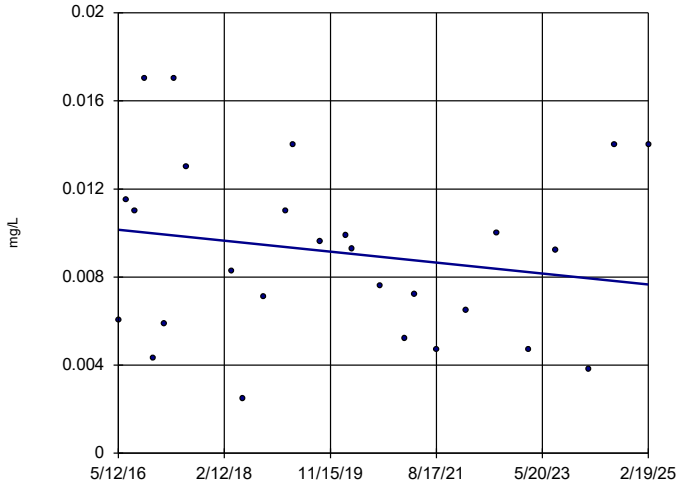
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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-14



n = 27

Slope = -0.0002829 units per year.

Mann-Kendall statistic = -41
critical = -96

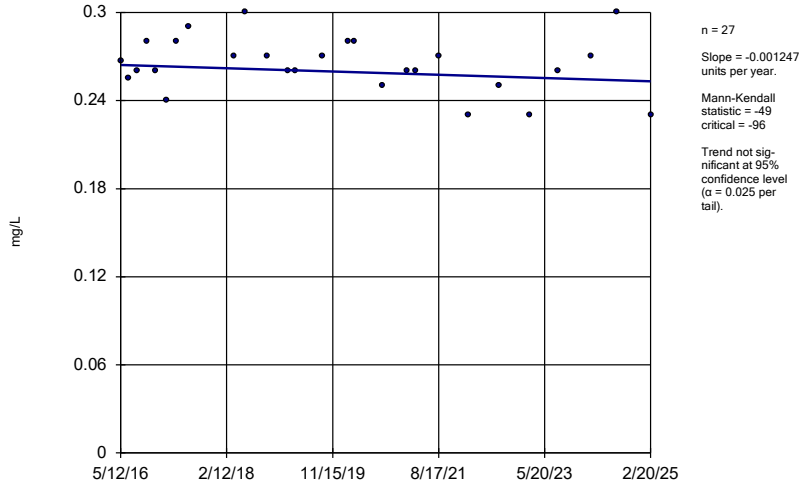
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Plant Scherer Client: Southern Company Data: Scherer AP

Sanitas™ v.10.0.24 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

SGWC-15



n = 27

Slope = -0.001247 units per year.

Mann-Kendall statistic = -49
critical = -96

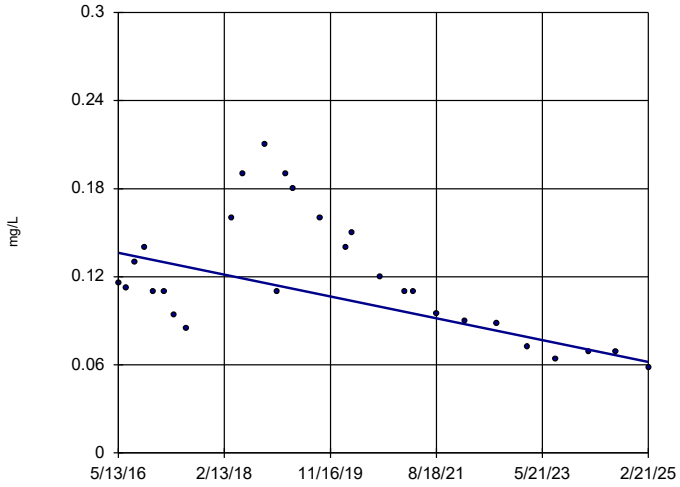
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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-18



n = 28

Slope = -0.008455 units per year.

Mann-Kendall statistic = -168
critical = -101

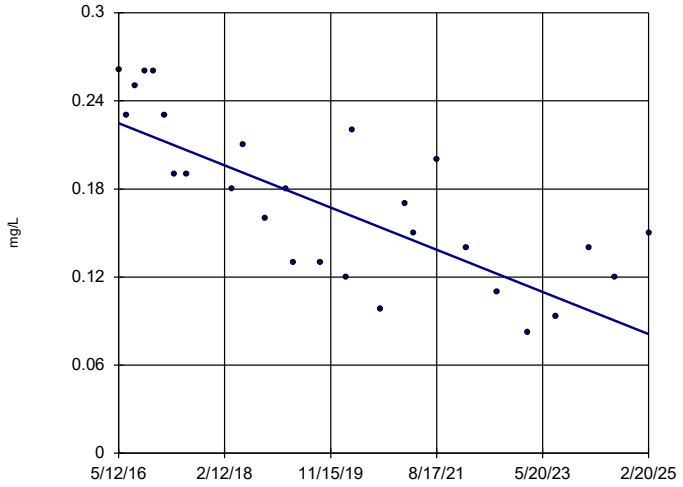
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

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Plant Scherer Client: Southern Company Data: Scherer AP

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Sen's Slope Estimator

SGWC-20



n = 27

Slope = -0.01635 units per year.

Mann-Kendall statistic = -213
critical = -96

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

Constituent: Cobalt Analysis Run 4/17/2025 4:11 PM View: Appendix IV Trend Tests

Plant Scherer Client: Southern Company Data: Scherer AP

APPENDIX E

Semi-Annual Remedy Selection and Design Progress Report

REPORT

2025 Semi-Annual Remedy Selection and Design Progress Report

Georgia Power Company, Plant Scherer Ash Pond 1

Submitted to:

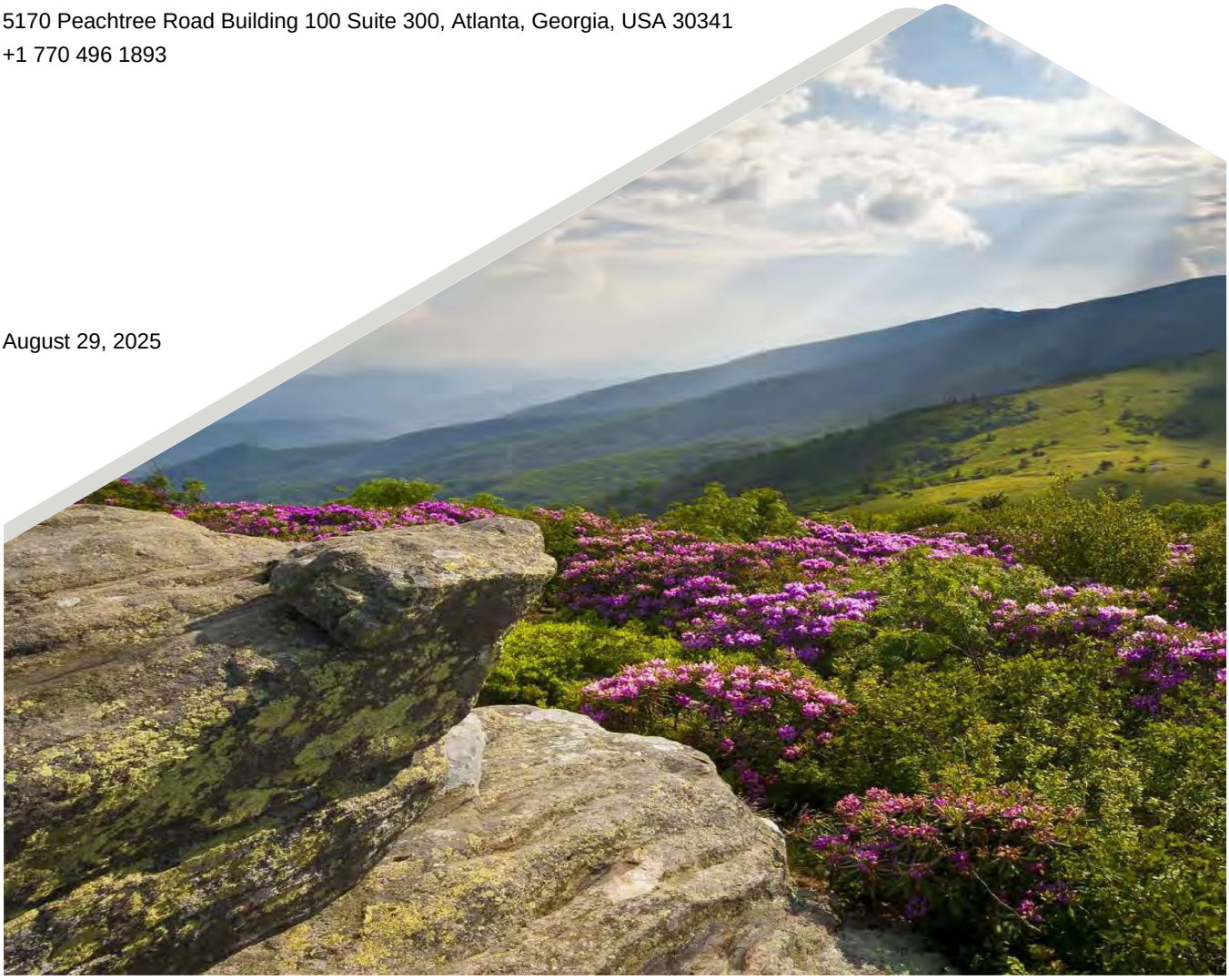
Georgia Power

241 Ralph McGill Boulevard
Atlanta, Georgia 30308

Submitted by:

WSP USA Inc.

5170 Peachtree Road Building 100 Suite 300, Atlanta, Georgia, USA 30341
+1 770 496 1893



August 29, 2025

Table of Contents

1.0 INTRODUCTION 1
1.1 Evaluation of Corrective Measures 1
2.0 AP-1 CLOSURE ACTIVITIES 3
3.0 SUMMARY OF WORK COMPLETED 3
3.1 Nature and Extent Delineation 3
3.1.1 Horizontal and Vertical Delineation 4
3.1.2 Testing of Soil Samples 4
3.2 Supplemental Data Collection 4
4.0 UPDATED SITE CONCEPTUAL MODEL 5
5.0 CORRECTIVE MEASURES ALTERNATIVES 5
6.0 PLANNED ACTIVITIES 6
7.0 REFERENCES 7

Tables

Table 1: Evaluation of Remedial Technologies

Table 2: Summary of Monitoring Well, Assessment Well and Piezometer Construction Data

Table 3: Proposed ACM Supplemental Data Collection Tasks for June through December 2025

Figures

Figure 1: Site Location Map

Figure 2: Monitoring Well and Piezometer Location Map

Figure 3: Potentiometric Surface Map – February 18, 2025

Figure 4: Cobalt Isoconcentration Map – February 2025

Figure 4A: Inset A - Cobalt Isoconcentration Map – February 2025

Figure 4B: Inset B - Cobalt Isoconcentration Map – February 2025

Figure 4C: Inset C - Cobalt Isoconcentration Map – February 2025

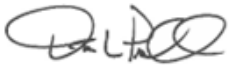
Appendices

Appendix A: Treatability Study Report

Certification

This *2025 Semi-Annual Remedy Selection and Design Progress Report,* Georgia Power Company – Plant Scherer-Ash Pond 1 (AP-1), has been prepared in accordance with the United States Environmental Protection Agency coal combustion residual rule, specifically 40 Code of Federal (CFR) 257.97(a) and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10(6)(a). I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management, 391-3-4-.01.

WSP USA Inc.



Dawn L. Prell, CPG
Senior Hydrogeologist



Rhonda N. Quinn, PG
Georgia Registered Professional Geologist No. 1031



Mark T. Prytula, PhD, PE
Georgia Licensed Professional Engineer No. 026729

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule [40 Code of Federal Regulations (CFR) 257 Subpart D]; published in 80 FR 21302-21501, April 17, 2015 (CCR Rule; USEPA, 2015), WSP USA Inc. (WSP) has prepared this *2025 Semi-Annual Remedy Selection and Design Progress Report Plant Scherer Ash Pond 1* (Semi-Annual Progress Report) for Georgia Power Company (Georgia Power) Plant Scherer Ash Pond 1 (AP-1 or Site). Specifically, this Semi-Annual Progress Report has been prepared pursuant to 40 CFR § 257.97(a) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10(6)(a). This Semi-Annual Progress Report documents activities conducted in support of the previously submitted *Assessment of Corrective Measures Report – Plant Scherer Ash Pond 1* (ACM Report; Golder, 2022).

Plant Scherer is a coal-fired power generation facility located in northeast Monroe County approximately 5 miles south of Juliette, GA. A site location map is included as Figure 1.

Pursuant to § 257.96, Georgia Power initiated an ACM for AP-1 on November 18, 2021, to address the occurrence of cobalt in groundwater at statistically significant levels (SSLs). Subsequently, Georgia Power completed an ACM report on April 15, 2022, and posted it to the CCR compliance website in May 2022.

In addition to the assessment monitoring program at the Site, Georgia Power conducted a human health and ecological risk assessment of cobalt SSLs in groundwater at AP-1 through March 2020. The risk evaluation provides one of many lines of evidence that will be reviewed and factored into the remedy selection process, which will be completed in accordance with § 257.97. Based on this risk evaluation, "*constituents evaluated from AP-1 are not expected to pose a risk to human health or the environment. Accordingly, no further risk evaluation for groundwater or surface water is warranted*" (Wood, 2021). Cobalt data collected since March 2020 are consistent with data used in the risk evaluation; therefore, the conclusions of the *2021 Risk Evaluation Report* are supported by current conditions. The risk assessment will be updated prior to submittal of the Draft Remedy Selection Report, anticipated in 2026.

1.1 Evaluation of Corrective Measures

Pursuant to § 257.97, Georgia Power is evaluating the potential corrective measures in the ACM report to identify a remedy or combination of remedies as soon as feasible. The following corrective measures have been subject to evaluation for potential use at AP-1:

- Geochemical Approaches (In-Situ Injection)
- Hydraulic Containment (Pump and Treat)
- Monitored Natural Attenuation (MNA)
- In-Situ Solidification/Stabilization (ISS)
- Permeable Reactive Barrier (PRB)
- Phytoremediation
- Subsurface Vertical Barrier Wall (SVBW).

An evaluation of remedial technologies is presented in Table 1. To date, in-situ solidification/stabilization, phytoremediation, and subsurface vertical barrier wall have been removed from consideration. As required by the CCR Rule, this semi-annual progress report describes the progress made in selecting and designing a remedy.

The following remedial alternatives have been retained for further evaluation.

- **Geochemical Approaches (In-Situ Injection):** An injection well network, or other means of introducing reagents or air into the subsurface, is used to provide suitable reagents for either anaerobic or aerobic attenuation of constituents present as SSLs, including cobalt. Under aerobic conditions, soluble iron or manganese would be injected to promote the formation of iron or manganese (oxy-) hydroxides for subsequent sorption of cobalt onto these mineral phases. 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.
- **Hydraulic Containment (Pump and Treat)**: Hydraulic containment involves extracting groundwater from wells or collection trenches to depress the water table and locally control the flow of groundwater. The proposed technology for a pump-and-treat system would include the installation of vertical and/or angled groundwater extraction wells downgradient of the area(s) targeted for treatment. Groundwater extraction wells can be designed and screened in the unconsolidated saprolite, transition zone, and fractured bedrock materials at the Site for effective hydraulic capture.
- **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, natural processes effectively reduce the dissolved concentrations of inorganic constituents in groundwater through mechanisms such as sorption and/or mineral precipitation.
- **Permeable Reactive Barrier (PRB):** PRB technology typically involves the installation of a permeable subsurface wall constructed with reactive media for the removal of constituents as groundwater flows through the media. Both a combined zero-valent iron (ZVI)-carbon matrix or carbon only (bio-barrier) are likely viable for the removal of cobalt from groundwater. Carbon could be provided as peat moss, mulch, or from another source. The exact placement of the PRB would be contingent on finalization of the nature and extent characterization. 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.

Georgia Power proactively initiated adaptive site management as outlined in the ACM Report (Golder, 2022) to support the groundwater remedy selection process and address potential changes in site conditions as appropriate during the AP-1 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 may 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 EPA guidelines for MNA (US EPA 2007, 2015). The 2007 MNA technical guidance specific to inorganic contaminants contained four “tiers.” The 2015 MNA guidance, which expands on and is designed to be a companion to the 2007 MNA guidance, retains these four “tiers,” but describes them as “phases.”

- **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.

2.0 AP-1 CLOSURE ACTIVITIES

The *Amended Written Closure Plan* (Georgia Power, 2020) was prepared in accordance with 40 CFR 257, Subpart D and meets the requirements of 40 CFR 257.102(b) and 391-3-4-.10. The surface impoundment (AP-1) at Plant Scherer is planned to be closed by consolidating the CCR within the 550-acre impoundment to a smaller footprint in accordance with 391-3-4-.10 and 40 CFR 257.102(b)(1)(iii). The proposed closure footprint will consist of two principal regions within the existing AP-1 footprint: a closure-by-removal area located to the north and a consolidated closure-in-place footprint in the south. The two proposed closure areas will be separated by a new northern embankment berm that will buttress the CCR consolidated within the southern closure-in-place footprint. The reduced footprint of the consolidated CCR will then be closed in place with a final cover system. Site work, including dewatering of free-standing water in AP-1 and infrastructure updates, has begun in anticipation of closure while the CCR permit application is under review by GA EPD.

3.0 SUMMARY OF WORK COMPLETED

The following sections summarize field investigation activities and supplemental data collected to support site characterization and delineation of identified Appendix IV SSLs, as well as to evaluate the corrective measures presented in the ACM report. The data will be used to evaluate the feasibility, mechanisms, rates, and stability of identified remedial alternatives to address SSLs of cobalt in groundwater at AP-1. An evaluation of the data as they relate to remedy selection alternatives is ongoing and will be presented in future report(s).

3.1 Nature and Extent Delineation

CCR compliance groundwater monitoring-related activities have been performed for AP-1 since September 2016 pursuant to the CCR rule. Georgia Power initiated an assessment monitoring program in November 2018 after identifying statistically significant increases (SSIs) of Appendix III parameters in groundwater. Pursuant to § 257.95, samples were collected from the detection and assessment monitoring wells and analyzed for Appendix IV constituents.

Assessment monitoring groundwater data exhibit SSLs of cobalt at monitoring wells SGWC-10, SGWC-11, SGWC-14, SGWC-15, SGWC-18, and SGWC-20. Details are provided in the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report* (WSP, 2025).

The locations of the Site monitoring wells and piezometers are shown on Figure 2. Table 2 provides a summary of construction details for each of the Site monitoring wells and piezometers, respectively. A potentiometric surface map illustrating February 18, 2025, potentiometric surface elevations is provided as Figure 3.

3.1.1 Horizontal and Vertical Delineation

To characterize the nature and extent of cobalt SSLs, multiple piezometers have been installed and sampled semi-annually at the Site; the table below lists the respective pairs of horizontal and vertical delineation piezometers that are sampled with reference to the detection monitoring wells. Figures 4, 4A, 4B, and 4C present cobalt isoconcentration contours at each of the five monitoring wells where SSLs of cobalt have been identified (SGWC-10, SGWC-11, SGWC-14, SGWC-15, SGWC-18 and SGWC-20).

Detection Monitoring Well with Cobalt SSL	Assessment Well Providing Vertical Delineation	Assessment Well Providing Horizontal Delineation
SGWC-10	PZ-69I	PZ-13S
SGWC-11	PZ-44I	PZ-14S
SGWC-14	PZ-70	PZ-71
SGWC-15	PZ-17I	PZ-39S
SGWC-18	PZ-40I	PZ-41S
SGWC-20	PZ-42I	PZ-43S

Based on review of the analytical results and statistical analyses, horizontal and vertical delineations are complete, with the exception of SGWC-14. Wells PZ-70 and PZ-71 were installed on June 2 to 5, 2025 and will be evaluated to complete horizontal and vertical delineation of the cobalt SSL found at SGWC-14. PZ-70 and PZ-71 are scheduled to be sampled during the second semi-annual monitoring event of 2025.

For wells SGWC-10, SGWC-11, SGWC-15, SGWC-18 and SGWC-20, horizontal delineation for cobalt is defined by assessment monitoring wells PZ-13S, PZ-14S, PZ-39S, PZ-41S and PZ-43S. There are no SSLs in any of these horizontal assessment wells and therefore horizontal delineation for wells SGWC-10, SGWC-11, SGWC-15, SGWC-18 and SGWC-20 is complete. Vertical delineation of cobalt in these wells is defined using assessment monitoring wells PZ-69I, PZ-44I, PZ-17I, PZ-40I, and PZ-42I. There are no SSLs for PZ-69I, PZ-44I, PZ-17I, PZ-40I, and PZ-42I, therefore, vertical delineation is complete for wells SGWC-10, SGWC-11, SGWC-15, SGWC-18 and SGWC-20. Details regarding the data for specific well pairs used for delineation are described in detail in the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report* (WSP, 2025).

3.1.2 Testing of Soil Samples

Soil samples collected from soil borings PZ-44I, PZ-53, SGWC-15C, SGWC-18D, and SGWC-20C (Figure 4) were further tested on a bench scale to evaluate injectate amendments to confirm preliminary geochemical modeling results. The bench scale study evaluated five reagents for reducing cobalt concentrations by either elevating the pH for constituent precipitation and/or for direct sorption/precipitation onto an amendment. The results of these analyses are provided in Appendix B. The results bench scale testing will be discussed in detail in the Geochemical Site Model (GCSM) and the Geochemical Modeling Report, both of which will be provided to GA EPD as an attachment to the Draft Remedy Selection Report.

3.2 Supplemental Data Collection

Groundwater samples collected from the detection and assessment monitoring well networks in February 2025 were analyzed for major ions (magnesium, potassium, sodium, total and bicarbonate alkalinity), and minor ions

(sulfide, iron and manganese). Results are included in the *2025 Semi-Annual Groundwater Monitoring and Corrective Action Report* (WSP, 2025).

Groundwater and aquifer solids collected to date along with data collection described below were used to evaluate the feasibility, mechanisms, rates, and stability of identified remedial alternatives to address SSLs of cobalt in groundwater at AP-1.

4.0 UPDATED SITE CONCEPTUAL MODEL

Additional data collection since the issuance of the ACM allows for the development of a more refined conceptual site model (CSM) and will be used to supplement the current *Hydrogeologic Assessment Report* (WSP, 2024b). The following summarizes the current understanding of the CSM within the context of selecting an appropriate groundwater corrective measure for AP-1.

- The February 18, 2025, potentiometric surface shows groundwater flow is generally from the west and northwest towards AP-1 and radially to the northeast and east, southeast and south, and southwest from AP-1, which sits on a topographic high, as shown on Figure 3. The latest water level data collected in February 2025 confirmed groundwater flow in the uppermost aquifer to be consistent with the CSM.
- Cobalt concentrations above the GWPS are limited to the immediate proximity of detection wells SGWC-15 SGWC-18 and SGWC-20, (Figures 4, 4A, 4B, and 4C). At SGWC-10 and SGWC-11, elevated cobalt is limited to a small area bounded by delineation wells PZ-13S, PZ-14S, PZ-25I, PZ-44I, and PZ-69I.

5.0 CORRECTIVE MEASURES ALTERNATIVES

Table 1 presents a summary of each of the remedial alternatives presented as part of the ACM. Table 3 provides a summary of additional data planned to be collected to further evaluate the feasibility of these alternatives. The retention evaluation (Retained for Further Evaluation or Not Retained) for each potential remedial alternative is included in Table 1. Each of the alternatives described in Section 1.1 and listed below are retained for further evaluation:

- Geochemical Approaches (In-Situ Injection)
- Hydraulic Containment (Pump and Treat)
- Monitored Natural Attenuation (MNA)
- Permeable Reactive Barrier (PRB)

Phytoremediation, in-situ solidification/stabilization (ISS), and subsurface vertical barrier wall (SVBW) have been removed from consideration as remedial alternatives for the Site as described below:

- Phytoremediation has not been retained due to relatively thick clay-rich overburden. Other options are considered more suitable. In addition, the presence of Site utilities beyond the limits of AP-1 in the areas of cobalt detections limits the amount of space available to install phytoremediation components. The potential for compromising the stability of the dam along the eastern side of AP-1 is also a consideration relative to the construction of phytoremediation (e.g., digging many holes to plant deep-rooted trees at the base of the dam) in the immediate vicinity of the specific wells with identified SSLs. As such, phytoremediation has been screened out based on deficiencies of effectiveness and the depth and geology of the affected area.

- In-Situ Solidification/Stabilization has not been retained for consideration at AP-1. ISS has been more widely implemented as a source control measure. Because the cobalt detections at AP-1 are relatively low, cobalt SSLs are localized to a few locations, and the occurrence of cobalt at these locations are likely due to groundwater pH variations along the flow paths; ISS is not practical for groundwater remediation at these locations beyond the AP-1 boundary. As such, ISS has been screened out.
- Subsurface Vertical Barrier Wall has not been retained for consideration at AP-1. A cut-off wall is not appropriate for the remediation of cobalt at Plant Scherer as the concentrations of cobalt exceeding the GWPS is limited to a small area surrounding each of five wells. SVBW is typically used for groundwater remediation to prevent lateral migration of impacts in groundwater. The lateral extent of cobalt concentrations exceeding the GWPS at Scherer has been delineated to a small area. The source of cobalt in groundwater at each of the five well locations (SGWC-10, SGWC-11, SGWC-15, SGWC-18, and SGWC-20) is released from the natural environment as a result of low pH in groundwater.

6.0 PLANNED ACTIVITIES

Georgia Power has initiated activities as outlined in the ACM Report (Golder, 2022) to support the groundwater remedy selection process and address potential changes in Site conditions as appropriate. The adaptive site management approach toward remedy selection may be adjusted 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 further evaluate the feasibility of each corrective measure retained for further evaluation.

Additional field investigation activities, supplementary data collection and data analyses are planned as described in Table 3 to evaluate potential remedial alternatives. Key elements are summarized below.

- Collect additional groundwater quality data to further evaluate natural attenuation. In addition to Appendix III/IV constituents, monitoring wells may also be analyzed for major cations/anions and other parameters for characterization of groundwater and evaluation of potential remedies.
- Evaluate the nature and extent of cobalt near SGWC-14 through well installation and sampling.
- Perform geochemical modeling and conceptualize injections of various media to support future remedy selection.
- Collect additional soil and groundwater to perform bench-scale testing of injectate amendments to confirm preliminary geochemical modeling results.

Additional data collected will be evaluated and incorporated in the Draft Remedy Selection Report, which is anticipated to be submitted to GA EPD on February 28, 2026. Georgia Power will continue to prepare semi-annual 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 these future semi-annual progress reports with routine groundwater monitoring and corrective action reports to meet the requirements of § 257.105(h)(12), § 257.106(h)(9), and § 257.107(h)(9), respectively.

7.0 REFERENCES

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WSP, 2024a. *2023 Semi-Annual Remedy Selection and Design Progress Report,* Georgia Power Company, Plant Scherer Ash Pond 1, WSP USA Inc., January 31, 2024.

WSP, 2024b. *Hydrogeologic Assessment Report,* Plant Scherer Ash Pond 1 (AP-1), WSP USA Inc., September 2024.

WSP, 2025. 2025 Semi-Annual Groundwater Monitoring and Corrective Action Report – Plant Scherer Ash Pond 1 (AP-1), WSP USA Inc., August 29, 2025.

Tables

TABLE 1
EVALUATION OF REMEDIAL TECHNOLOGIES
Georgia Power Company
Plant Scherer – Ash Pond 1
Monroe County, GA

Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	**Performance**	**Reliability**
Geochemical Approaches (in-situ injection)	Use of an injection well network, or other means of introducing reagents or air into the subsurface, to provide suitable reagents for either anaerobic or aerobic attenuation of cobalt (Co). Under anaerobic conditions, chemical reducing agents or electron donors to spur microbial reduction would be injected. Attenuation of Co would occur by retention 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 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 Co.	The effective immobilization of Co has been shown 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.	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 Co in groundwater.
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 (e.g., land application, CCR conditioning, etc.). It is applicable to a variable mix of inorganic constituents, including dissolved Co.	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 AP-1, implementation of the corrective measure is contingent on completing additional assessment activities (i.e., high-resolution site characterization, additional pump tests, flow modeling, and capture zone analysis). This is needed to refine the constituent distribution in the subsurface to target specific zones for pumping for improved mass recovery efficiency/effectiveness and to further evaluate the potential remedy performance.	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.

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Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	**Performance**	**Reliability**
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 Co at AP-1, 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, oxidation-reduction (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 Co, the main attenuation processes include sorption to iron and manganese oxides and formation of sparingly soluble sulfide minerals.	Physical and chemical MNA mechanisms for Co, including dilution, dispersion, sorption, and oxidation reduction reactions can be effective at achieving groundwater protection standards (GWPS) within a reasonable time frame. Closure will improve the mass balance such that the buffer capacity of the aquifer is unlikely to be exhausted, and the attenuation processes already at work for Co at AP-1 will further enhance ongoing MNA.	Reliable as long as sufficient attenuation capacity is present. MNA is reliable and can either be used as a stand-alone corrective measure for groundwater impacted by dissolved Co, or in combination with a second technology.
In-Situ Solidification / Stabilization (ISS)	ISS, also referred to as single auger mixing or deep soil mixing, uses a crane-mounted large-diameter auger system to drill into affected soils and uniformly mix the soils with cement to create a monolith (solidification) or with appropriate chemical additives to chemically bind constituents within the solid matrix (stabilization). This remedy can also be achieved by a cutter head on an excavator if treatment depths do not exceed the reach of the excavator. Additional equipment utilized for treatment primarily consists of a grout mixing plant, a grout pump and a mixing rig designed to encapsulate constituents in a monolithic solid of low hydraulic conductivity, thereby minimizing constituent migration.	Groundwater impacts outside the ISS treatment zone would be addressed through the processes of natural attenuation. This alternative would isolate/secure the area of influence outside the CCR unit in a bound matrix, and over time, allow the concentrations of constituents of concern (COCs) in groundwater to decline to below applicable standards.	In-situ stabilization can be a reliable corrective measure for Co in groundwater. Reliability is dependent of successful implementation of the mix design in the field to achieve monolith uniformity and hydraulic conductivity reduction.
Permeable Reactive Barrier (PRB)	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. Either a zero-valent iron (ZVI) plus carbon matrix or a carbon only bio-barrier are likely viable for the removal of Co. The carbon could be supplied as peat moss, mulch, or another carbon source. Exact placement of the PRB would be contingent on finalization of the nature and extent characterization. PRB walls are typically keyed into the bedrock. While the shallow groundwater in the residuum and fractured bedrock is connected to the groundwater in more competent bedrock, the higher permeability/conductivity of the PRB is not expected to impede groundwater flow. 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.	PRBs have been shown to effectively address Co in groundwater. The approach is expected to achieve GWPS for Co as impacted groundwater passes through the reactive barrier. Furthermore, additional testing is required to select the appropriate sorptive media mix.	Reliable groundwater corrective measure technology, 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 select the appropriate reactive media mix and dosages for a PRB wall.

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Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Description	**Performance**	**Reliability**
Phyto Remediation (TreeWell®)	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 Co within the root zone as well as incidental uptake of dissolved Co 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 Co concentration through immobilization and/or uptake and sequestration in the tree biomass; however, the main purpose is to provide hydraulic control.	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, and groundwater flow modeling to evaluate the required number and placement of TreeWell® units.
Subsurface Vertical Barrier Walls (SVBW)	This approach involves placing a barrier to groundwater flow in the subsurface to prevent future migration of dissolved constituents in groundwater beyond the walled area to downgradient areas. In general, barrier walls are designed to provide containment; and when fully encompassing, SVBWs require a pump and treatment system to maintain inward hydraulic gradients and treat extracted water. Barrier walls can also be used in downgradient applications to limit potential influence to/from surface water features. 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.	Barrier walls are a proven technology for groundwater cutoff at impoundments. Slurry walls are limited by the depth of installation, which is approximately 90 ft below ground surface. However, site-specific geologic and technology-specific considerations may limit this depth to shallower installations. Within the context of AP-1, a barrier wall might be used in conjunction with a “funnel and gate” system for a PRB rather than a stand-alone technology. As such, groundwater with Co above GWPS 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. Additional subsurface investigations, aquifer testing, and compatibility testing with site-specific groundwater will be needed.	Generally reliable as a barrier to groundwater flow; however, treatment of downgradient groundwater is incidental and not the primary objective.

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Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		
	Ease of Implementation	**Potential Impacts**	**Time Requirement to Begin/Complete**
Geochemical Approaches (in-situ injection)	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 similarly to a PRB application. Potential for clogging of aquifer matrix and/or injection well infrastructure. Chemical distribution during injections (i.e., radius of influence) needs to be evaluated.	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.	Design of a geochemical in-situ injection system will require numerical groundwater flow and geochemical modeling, bench-scale testing and may require a pilot test to obtain final design parameters that may take up to 24 months. After design, installation of the injection network can be accomplished relatively quickly (1 to 2 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.
Hydraulic Containment (pump-and-treat)	Moderate. Proven approach, and supplemental installation of extraction wells/trenches is straightforward. The extracted groundwater may potentially require an above-ground treatment system. A variety of sorption and precipitation approaches exist for ex-situ treatment of Co. 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.	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.	Design of a pump-and-treat system will require additional aquifer testing, numerical groundwater modeling, and if needed, design of a treatment system for the extracted groundwater (which itself will require significant treatability testing). Installation of extraction wells and/or trenches can be accomplished relatively quickly (1 to 2 months) and if required, the treatment system would require up to an additional year for construction and startup. The initiation of the approach would be contingent on the startup of the wastewater treatment infrastructure. 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 Co.
Monitored Natural Attenuation (MNA)	Easy. Easy to implement with respect to infrastructure, monitoring, and reporting. 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.	No impacts are anticipated; MNA relies on the natural processes active in the aquifer matrix to reduce constituent concentrations.	The evaluation of MNA as a viable remedy demonstrates that attenuation mechanisms and capacity are naturally present in the groundwater system. An MNA evaluation and groundwater and geochemical modeling and can take up to 1 year. The infrastructure to initiate MNA is already in place but may require some additional wells. MNA is expected to be successful within a reasonable time frame following pond closure. Engineering measures will be implemented during closure of the CCR unit 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.
In-Situ Solidification / Stabilization (ISS)	Difficult. ISS has been proven effective and stabilizing waste masses to prevent leaching, but very intensive program to solidify an entire CCR unit. Significant heavy equipment and traffic on-Site and working on the AP-1 unit. ISS has not been commonly used to stabilize entire ash units as part of a closure strategy.	Following completion, potential impacts of the remedy will be negligible. During construction, general construction safety risks would be elevated above less-intensive remedies.	Design of an In-situ stabilization remedy for AP-1 will take several years to complete and will require bench scale testing to determine the appropriate amendment mix for a variety of overburden geologic materials. Pilot testing will also be needed to verify the ability of equipment to solidify material at depth. Following design, implementation to solidify the AP-1 CCR mass could take many years and may be delayed by availability of specialized contractors and equipment.

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	Ease of Implementation	**Potential Impacts**	**Time Requirement to Begin/Complete**
Permeable Reactive Barrier (PRB)	Moderate to Difficult. Trenching would be required to install a mix of reactive materials in the subsurface. Continuous trenching may be the most feasible construction method. Installation methods and materials are readily available. 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, ZVI has 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.	Design of a PRB may take up to 2 years, including bench/column testing for selection of reactive media and dosages (percent by weight), selection of ballast material for target hydraulic conductivity of the mixed porous media, and numerical groundwater modeling required to evaluate post-installation flow. Installation of a PRB can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. Once installed, the time to achieve GWPS downgradient of the PRB is anticipated to be relatively short.
Phytoremediation	Reasonably implementable to moderate. Engineered approach has been proven effective, and specific depth zones can be targeted. Species are selected and trees are installed such that the root zone can intercept impacted groundwater flow paths. Area must be clear of above and below-ground structures (e.g., 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.	The design phase may take up to 6 months, and some groundwater modeling may be required. 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.
Subsurface Vertical Barrier Walls (SVBW)	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, which, similarly to PRBs, should be keyed into a low permeability layer such as a thick clay layer, PWR, or bedrock. Installation methods and materials are readily available.	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.	The design phase may take up to 24 months and is likely to include additional aquifer testing and numerical groundwater modeling. Installation of a barrier wall can be accomplished relatively quickly (6 to 12 months), depending on the final location and configuration. 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, it will likely have to be maintained long term and be coupled with other approaches.

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Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		Relative Costs	Retention Evaluation
	Institutional Requirements	Other Env. Or Public Health Requirements		
Geochemical Approaches (in-situ injection)	Deed restrictions may be necessary until in-situ treatment has achieved GWPS. A new UIC permit (for in-situ injections) would be required to implement this corrective measure. No other institutional requirements expected.	None expected. Potential for mobilization of redox-sensitive constituents exists during implementation of an anerobic attenuation approach. Following installation, the remedy is passive.	Medium (depending on expanse of injection network required and injectate volume required per derived design parameters)	Retained for further analysis; can be applied to retain Co as a sparingly soluble mineral or could be applied to raise the groundwater pH to promote immobilization through sorption mechanisms.
Hydraulic Containment (pump-and-treat)	Depending on the effluent management strategy, modifications to the existing NPDES permit may be required, or an underground injection control (UIC) permit may be needed if groundwater recirculation is chosen. In addition, deed restrictions may be required as long as groundwater conditions remain above regulatory standards for unrestricted use.	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)	Retained for further analysis; extracted water could be routed to wastewater treatment infrastructure built for dewatering and closure of ponds at the site.
Monitored Natural Attenuation (MNA)	MNA may require the implementation of institutional controls, such as deed restrictions, until GWPS can be achieved.	Little to no physical disruption to remediation areas and no adverse construction-related impacts are expected on the surrounding community.	Low to medium	Retained for further analysis. The MNA Feasibility Report suggested that MNA may not be feasible alone for each of the SSL well locations, may be used in conjunction with other potential groundwater corrective measures.
In-Situ Solidification / Stabilization (ISS)	Deed restrictions may be necessary until groundwater concentrations are below GWPS. No other institutional requirements that may limit application of this technology are expected.	Changes to groundwater chemistry relative to the mobility of Appendix IV constituents following completion of ISS, where large volumes of amendments (typically portland cement) are added to the subsurface, are unknown and would require pilot testing.	Very high, significant equipment, labor, and reactant/stabilization demand.	Not Retained for further analysis. ISS has been more widely implemented as a source control measure. Because the cobalt detections at AP-1 are relatively low, cobalt SSLs are localized beyond the AP-1 boundary, and the occurrence of cobalt at these locations is likely due to groundwater pH variations along the flow paths, ISS is not practical for groundwater remediation.
Permeable Reactive Barrier (PRB)	Deed restrictions may be necessary for groundwater where a PRB is selected. No other institutional requirements are expected.	None expected. Following installation, the remedy is passive. However, certain treatment media (such as ZVI) have the potential to mobilize naturally occurring constituents outside the flow path of the PRB.	Medium to high (for installation) - minimal O&M requirements if replacement is not necessary	Retained for further analysis; capable of treating Co when PRB can be placed appropriately given physical Site constraints.

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Corrective Measure	REGULATORY CITATION FOR CRITERIA: 40 CFR 257.96(C)(1)		Relative Costs	Retention Evaluation
	Institutional Requirements	Other Env. Or Public Health Requirements		
Phytoremediation	Deed restrictions may be necessary for groundwater areas upgradient of the phytoremediation layout. No other institutional requirements are expected.	None expected. Following installation, the remedy is passive and does not require external energy.	Medium (for installation) - minimal O&M requirements	Not retained due to deficiencies/incompatibility with the relatively thick overburden, partially weathered rock, and site layout. Other options more suitable for this site.
Subsurface Vertical Barrier Walls (SVBW)	Deed restrictions may be necessary for groundwater areas in the vicinity of the barrier wall until remedial goals are met. No other institutional requirements are expected.	If groundwater extraction associated with barrier walls is necessary to maintain inward gradients, 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 length and depth of wall and need for treatment of extracted water)	Capable of limiting Co migration in groundwater, but not retained for further analysis due to the localized nature of the Co SSLs at this site.

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Well ID	Well Designation	Location	Northing [1]	Easting [1]	Ground Surface Elevation (feet) [2]	Top of Casing Elevation (feet)[2]	Top of Screen Elevation (feet) [2] [3]	Bottom of Screen Elevation (feet) [2] [3]	Total Well Depth (feet below top of casing) [5]	Groundwater Zone Screened	Installation Date
AP-1 DETECTION MONITORING WELL NETWORK											
SGWA-1	Detection	Upgradient	1119233.10	2399899.81	544.07	546.83	503.57	493.57	53.7	Saprolite	02/11/2015
SGWA-2	Detection	Upgradient	1119237.67	2399908.19	543.95	546.94	458.55	448.55	98.8	Bedrock	02/17/2015
SGWA-3	Detection	Upgradient	1120224.15	2399296.64	542.88	545.83	502.88	492.88	53.0	Saprolite	11/18/2015
SGWA-4	Detection	Upgradient	1121477.05	2401124.64	544.81	547.66	494.31	484.31	63.3	Saprolite	11/17/2015
SGWA-5	Detection	Upgradient	1118088.42	2397426.26	505.73	508.48	485.53	475.53	33.0	Saprolite	11/18/2015
SGWA-24	Detection	Upgradient	1118121.96	2400743.52	489.32	492.38	461.62	451.62	41.2	Saprolite	02/10/2015
SGWA-25	Detection	Upgradient	1120555.28	2400857.08	523.20	526.49	488.60	478.60	48.3	Saprolite	02/18/2015
SGWC-6	Detection	Downgradient	1122167.18	2401979.98	507.67	510.49	492.67	482.67	27.8	Saprolite	11/12/2015
SGWC-7	Detection	Downgradient	1122668.61	2402259.75	503.45	506.40	478.45	468.45	37.9	Bedrock	11/11/2015
SGWC-8	Detection	Downgradient	1122865.98	2402979.50	511.48	514.28	481.48	471.48	42.8	Bedrock	11/10/2015
SGWC-9	Detection	Downgradient	1122634.64	2403455.19	507.63	510.62	482.63	472.63	38.0	Saprolite	11/06/2015
SGWC-10	Detection	Downgradient	1121895.85	2404046.92	506.60	509.41	486.60	476.60	32.8	Saprolite	11/05/2015
SGWC-11	Detection	Downgradient	1121542.11	2404332.12	508.62	511.47	478.62	468.62	42.9	Saprolite	10/29/2015
SGWC-12	Detection	Downgradient	1121576.75	2405009.92	497.70	500.53	460.70	450.70	50.4	Saprolite	10/30/2015
SGWC-13	Detection	Downgradient	1121274.85	2405761.20	479.92	482.71	454.92	444.92	37.8	Saprolite	11/04/2015
SGWC-14	Detection	Downgradient	1120966.13	2406329.89	473.32	476.72	448.52	438.52	38.7	Saprolite	02/24/2015
SGWC-15	Detection	Downgradient	1120191.20	2407093.92	479.66	482.75	444.86	434.86	48.3	Saprolite	02/26/2015
SGWC-16	Detection	Downgradient	1119221.42	2407155.89	457.03	460.31	428.23	418.23	42.5	Saprolite	03/03/2015
SGWC-17	Detection	Downgradient	1118308.77	2407267.44	414.93	418.00	400.83	390.83	27.6	Saprolite	03/11/2015
SGWC-18	Detection	Downgradient	1116947.75	2406931.32	510.31	513.29	476.21	466.21	47.5	Saprolite	03/17/2015
SGWC-19	Detection	Downgradient	1116024.59	2406097.05	475.83	478.94	451.63	441.63	37.7	Saprolite	03/18/2015
SGWC-20	Detection	Downgradient	1116020.73	2405307.67	501.49	504.60	486.49	476.49	28.1	Saprolite	11/19/2015
SGWC-21	Detection	Downgradient	1115409.88	2404197.33	484.67	487.67	470.17	460.17	27.9	Saprolite	05/06/2015
SGWC-22	Detection	Downgradient	1115540.08	2403001.81	515.41	518.02	478.91	468.91	52.7	Saprolite	01/22/2015
SGWC-23	Detection	Downgradient	1116693.80	2402131.07	520.02	523.10	480.72	470.72	52.8	Bedrock	02/03/2015
AP-1 ASSESSMENT MONITORING WELL NETWORK											
PZ-13S	Assessment	Downgradient	1121957.03	2404227.47	517.48	520.51	482.58	472.58	48.3	Saprolite	04/01/2015
PZ-14S	Assessment	Downgradient	1121852.80	2404820.56	508.68	512.13	474.18	464.18	48.4	Saprolite	03/26/2015
PZ-17I	Assessment	Downgradient	1120190.27	2407107.37	479.90	483.03	393.20	383.20	100.4	Bedrock	02/27/2015
PZ-39S	Assessment	Downgradient	1120178.43	2407470.49	471.79	474.58	405.79	395.79	79.2	Saprolite	08/21/2018
PZ-40I	Assessment	Downgradient	1116960.39	2406934.72	510.09	512.55	437.09	427.09	85.9	Bedrock	08/15/2018
PZ-41S	Assessment	Downgradient	1116799.18	2407124.98	488.56	491.50	453.56	443.56	47.9	Saprolite	08/16/2018
PZ-42I	Assessment	Downgradient	1116013.79	2405294.12	500.45	503.18	414.45	404.45	98.7	Bedrock	08/21/2018
PZ-43S	Assessment	Downgradient	1115598.12	2405507.16	501.19	504.03	460.69	450.69	53.3	Saprolite	08/17/2018
PZ-44I	Assessment	Downgradient	1121515.40	2404330.23	507.86	510.36	403.86	393.86	116.5	Bedrock	09/05/2018
PZ-69I	Assessment	Downgradient	1121906.36	2404051.35	506.00	508.85	410.00	400.00	108.9	Bedrock	01/12/2022
PZ-70	Assessment	Downgradient	1120974.87	2406323.71	472.41	476.30	413.4	403.4	72.2	Bedrock	06/05/2025
PZ-71	Assessment	Downgradient	1120942.87	2406394.55	475.56	479.80	450.4	440.5	38.1	Saprolite	06/05/2025
PIEZOMETERS											
LPZ-01	Piezometer	Upgradient	1117001.58	2398513.19	549.97	553.29	495.97	485.97	69.1	PWR/Bedrock	11/10/2015
LPZ-02	Piezometer	Upgradient	1119972.34	2398004.93	511.07	514.52	501.07	491.07	23.4	Saprolite	11/20/2015
LPZ-03	Piezometer	Upgradient	1117883.86	2398657.00	512.15	515.45	487.15	477.15	38.3	Saprolite	11/18/2015
LPZ-04	Piezometer	Upgradient	1115962.59	2397083.47	458.11	461.24	440.11	430.11	43.1	Saprolite	11/19/2015
LPZ-05	Piezometer	Upgradient	1115328.95	2399698.53	521.51	524.51	479.41	469.41	60.5	Saprolite	11/05/2015
PZ-2I	Piezometer	Downgradient	1115544.85	2402990.76	514.81	517.56	440.91	430.91	87.1	Bedrock	01/27/2015
PZ-3S	Piezometer	Downgradient	1116085.04	2402533.80	514.37	517.29	474.77	464.77	52.9	Saprolite	01/29/2015
PZ-5I	Piezometer	Downgradient	1117484.15	2401816.71	520.63	523.26	484.03	474.03	49.6	Saprolite	02/04/2015

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Well ID	Well Designation	Location	Northing [1]	Easting [1]	Ground Surface Elevation (feet) [2]	Top of Casing Elevation (feet)[2]	Top of Screen Elevation (feet) [2] [3]	Bottom of Screen Elevation (feet) [2] [3]	Total Well Depth (feet below top of casing) [5]	Groundwater Zone Screened	Installation Date
PIEZOMETERS (continued)											
PZ-9I	Piezometer	Upgradient	1120562.72	2400862.76	523.31	526.57	453.51	443.51	83.5	Bedrock	02/19/2015
PZ-10S	Piezometer	Downgradient	1122338.03	2401768.92	514.38	517.53	489.88	479.88	38.1	Saprolite	05/05/2015
PZ-11S	Piezometer	Downgradient	1123169.22	2402767.44	526.04	529.31	490.04	480.04	49.3	Saprolite	04/06/2015
PZ-12S	Piezometer	Downgradient	1122684.90	2403618.46	514.54	517.69	480.54	470.54	47.5	Saprolite	04/01/2015
PZ-14I	Piezometer	Downgradient	1121866.36	2404822.43	509.73	512.89	424.93	414.93	98.4	Bedrock	03/25/2015
PZ-15S	Piezometer	Downgradient	1121486.96	2405558.59	497.44	500.60	467.74	457.74	43.3	Saprolite	04/28/2015
PZ-19I	Piezometer	Downgradient	1118588.47	2407251.56	414.54	417.76	353.04	343.04	75.1	Bedrock	03/04/2015
PZ-19S	Piezometer	Downgradient	1118587.24	2407241.54	414.54	417.80	399.94	389.94	28.3	Saprolite	03/04/2015
PZ-20I	Piezometer	Downgradient	1118318.15	2407273.36	414.31	417.41	345.11	335.11	82.7	Bedrock	03/10/2015
PZ-21S	Piezometer	Downgradient	1117639.19	2407006.52	470.60	473.74	457.60	447.60	26.5	Saprolite	03/12/2015
PZ-25I	Piezometer	Downgradient	1121837.80	2404573.04	525.77	528.39	410.97	400.97	127.6	Saprolite	05/24/2016
PZ-25S	Piezometer	Downgradient	1121848.11	2404567.52	525.48	528.24	480.78	470.68	57.8	Saprolite	05/25/2016
PZ-26S	Piezometer	Downgradient	1121696.65	2405733.23	489.07	491.65	454.27	444.27	47.6	Saprolite	06/01/2016
PZ-27D	Piezometer	Downgradient	1121558.94	2406023.17	472.41	475.43	367.61	347.61	128.0	Bedrock	06/17/2016
PZ-27S	Piezometer	Downgradient	1121565.33	2406028.25	473.13	475.80	438.33	428.33	47.7	PWR	05/26/2016
PZ-28I	Piezometer	Downgradient	1121394.06	2406373.94	481.44	484.18	422.84	412.84	71.5	Bedrock	06/03/2016
PZ-29S	Piezometer	Downgradient	1121269.19	2406618.29	488.50	491.31	453.70	443.70	47.8	Saprolite	05/26/2016
PZ-30I	Piezometer	Downgradient	1121073.53	2407078.99	475.56	478.31	400.46	390.46	88.1	Bedrock	06/02/2016
PZ-31I	Piezometer	Downgradient	1121204.03	2407445.73	463.96	466.89	399.06	389.06	78.0	Bedrock	06/02/2016
PZ-32D	Piezometer	Downgradient	1121089.64	2407719.37	462.36	465.42	366.56	336.56	129.1	Bedrock	06/01/2016
PZ-32S	Piezometer	Downgradient	1121089.22	2407698.44	462.27	465.06	417.47	407.47	57.8	Saprolite/PWR	06/01/2016
PZ-33I	Piezometer	Downgradient	1121245.25	2409064.05	466.45	469.38	400.65	390.65	78.9	Saprolite/Bedrock	06/08/2016
PZ-34S	Piezometer	Downgradient	1121331.59	2409288.37	440.83	443.67	405.53	395.53	48.3	PWR	06/04/2016
PZ-35I	Piezometer	Downgradient	1121598.57	2406058.33	474.57	474.40	429.27	419.27	55.3	Saprolite/Bedrock	06/22/2016
PZ-36I	Piezometer	Downgradient	1120410.99	2407256.25	478.86	481.52	393.56	383.56	98.2	Bedrock	06/05/2016
PZ-36S	Piezometer	Downgradient	1120401.04	2407248.04	479.40	482.35	434.40	424.40	58.4	Saprolite	08/22/2018
PZ-37I	Piezometer	Downgradient	1121178.48	2408419.19	479.48	482.18	418.48	408.48	73.9	TWR/Bedrock	06/02/2016
PZ-38I	Piezometer	Downgradient	1121475.86	2406352.98	482.23	482.24	418.43	408.43	74.0	Bedrock	06/23/2016
PZ-45D	Piezometer	Downgradient	1125296.24	2400250.55	509.74	512.33	399.74	344.74	167.6	Bedrock	03/09/2020
PZ-46D	Piezometer	Downgradient	1123512.22	2400923.25	447.07	450.28	423.57	393.57	56.7	TWR/Bedrock	03/17/2020
PZ-47D	Piezometer	Downgradient	1126623.42	2404366.80	406.76	410.01	396.66	381.66	28.4	Bedrock	03/11/2020
PZ-48S	Piezometer	Downgradient	1125014.71	2405779.92	441.30	444.33	390.55	380.55	64.0	Saprolite	03/04/2020
PZ-49D	Piezometer	Downgradient	1123429.73	2410615.29	364.88	367.41	288.88	258.88	108.5	Bedrock	03/06/2020
PZ-49S	Piezometer	Downgradient	1123434.46	2410605.99	365.19	367.89	350.19	340.19	28.0	Residual Soil	03/07/2020
PZ-50D	Piezometer	Upgradient	1103125.91	2408306.87	470.66	473.78	380.66	370.66	103.1	Bedrock	03/18/2020
PZ-51D	Piezometer	Upgradient	1119239.99	2399955.07	543.17	546.04	427.17	417.17	128.9	Bedrock	03/08/2020
PZ-52	Piezometer	Downgradient	1122822.91	2403622.69	519.43	521.84	452.43	442.43	79.4	Saprolite	03/17/2020
PZ-53	Piezometer	Downgradient	1121932.34	2404813.43	513.61	516.64	478.61	468.61	48.0	Saprolite	03/19/2020
PZ-54	Piezometer	Downgradient	1121509.71	2406555.15	490.17	492.96	455.17	445.17	47.8	Residual Soil	03/19/2020
PZ-55	Piezometer	Downgradient	1121931.60	2409132.43	444.15	447.21	418.15	408.15	39.1	Saprolite/TWR	03/20/2020
PZ-56	Piezometer	Downgradient	1123524.68	2409037.21	430.85	433.68	395.10	385.10	48.8	Bedrock	03/19/2020
PZ-57	Piezometer	Downgradient	1123405.64	2407361.88	436.45	439.51	387.45	377.45	62.1	TWR/Bedrock	03/19/2020
PZ-58	Piezometer	Downgradient	1123299.43	2405207.09	489.25	492.21	453.25	443.25	49.0	Residual Soil	03/16/2020
PZ-59D	Piezometer	Downgradient	1125229.89	2407668.93	382.86	385.86	328.86	313.86	72.0	Bedrock	03/27/2020
PZ-59S	Piezometer	Downgradient	1125213.65	2407658.45	382.83	385.93	368.83	358.83	27.1	Saprolite	03/20/2020

TABLE 2
SUMMARY OF MONITORING WELL, ASSESSMENT WELL AND PIEZOMETER CONSTRUCTION DATA
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

Well ID	Well Designation	Location	Northing [1]	Easting [1]	Ground Surface Elevation (feet) [2]	Top of Casing Elevation (feet)[2]	Top of Screen Elevation (feet) [2] [3]	Bottom of Screen Elevation (feet) [2] [3]	Total Well Depth (feet below top of casing) [5]	Groundwater Zone Screened	Installation Date
PIEZOMETERS (continued)											
PZ-60D	Piezometer	Downgradient	1124410.72	2408242.87	386.43	389.34	317.03	286.73	102.6	Bedrock	03/29/2020
PZ-60S	Piezometer	Downgradient	1124400.44	2408243.59	386.36	389.88	376.36	366.36	23.5	Residual Soil/Saprolite	03/31/2020
PZ-61	Piezometer	Downgradient	1122537.21	2408531.43	436.79	439.27	397.34	387.34	51.9	TWR/Saprolite/Bedrock	04/11/2020
PZ-62	Piezometer	Downgradient	1122370.34	2406175.11	498.25	501.32	456.00	446.00	55.3	Saprolite	04/09/2020
PZ-63	Piezometer	Downgradient	1123955.38	2404060.61	498.87	501.54	468.87	458.87	42.7	Bedrock	04/12/2020
PZ-64	Piezometer	Downgradient	1123724.36	2406404.18	475.99	479.52	416.99	406.99	73.5	Bedrock	04/08/2020
PZ-65	Piezometer	Downgradient	1121937.16	2407733.04	429.57	432.42	409.57	399.57	33.1	Saprolite	04/11/2020
PZ-66	Piezometer	Downgradient	1124664.10	2409115.98	418.38	421.24	373.38	358.38	62.9	Bedrock	04/02/2020
PZ-66D	Piezometer	Downgradient	1124644.48	2409028.45	424.39	427.60	355.39[6]	-	269.2	Bedrock	05/06/2020
PZ-67	Piezometer	Downgradient	1125782.26	2408248.89	423.22	425.94	393.47	383.47	42.5	Saprolite	04/01/2020
PZ-67D	Piezometer	Downgradient	1125764.81	2408259.40	424.71	428.48	341.71[6]	-	304.8	Bedrock	04/25/2020
PZ-68	Piezometer	Downgradient	1125116.59	2407181.92	392.14	395.55	382.18	372.14	23.4	Saprolite/TWR	04/15/2020

Notes:
[1] Coordinates are in feet relative to North American Datum (NAD) 1983, State Plane, Georgia-West.
[2] Elevations shown are in datum NAVD88, which indicates feet (ft) in elevation referenced to the North American Vertical Datum 1988.
[3] Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
[4] - = not applicable
[5] Total well depth accounts for sump if data provided on well construction logs.
[6] Elevation of the bottom of the outer well casing and elevation of top of open corehole.
[7] PWR = Partially Weathered Rock TWR = Transitionally Weathered Rock

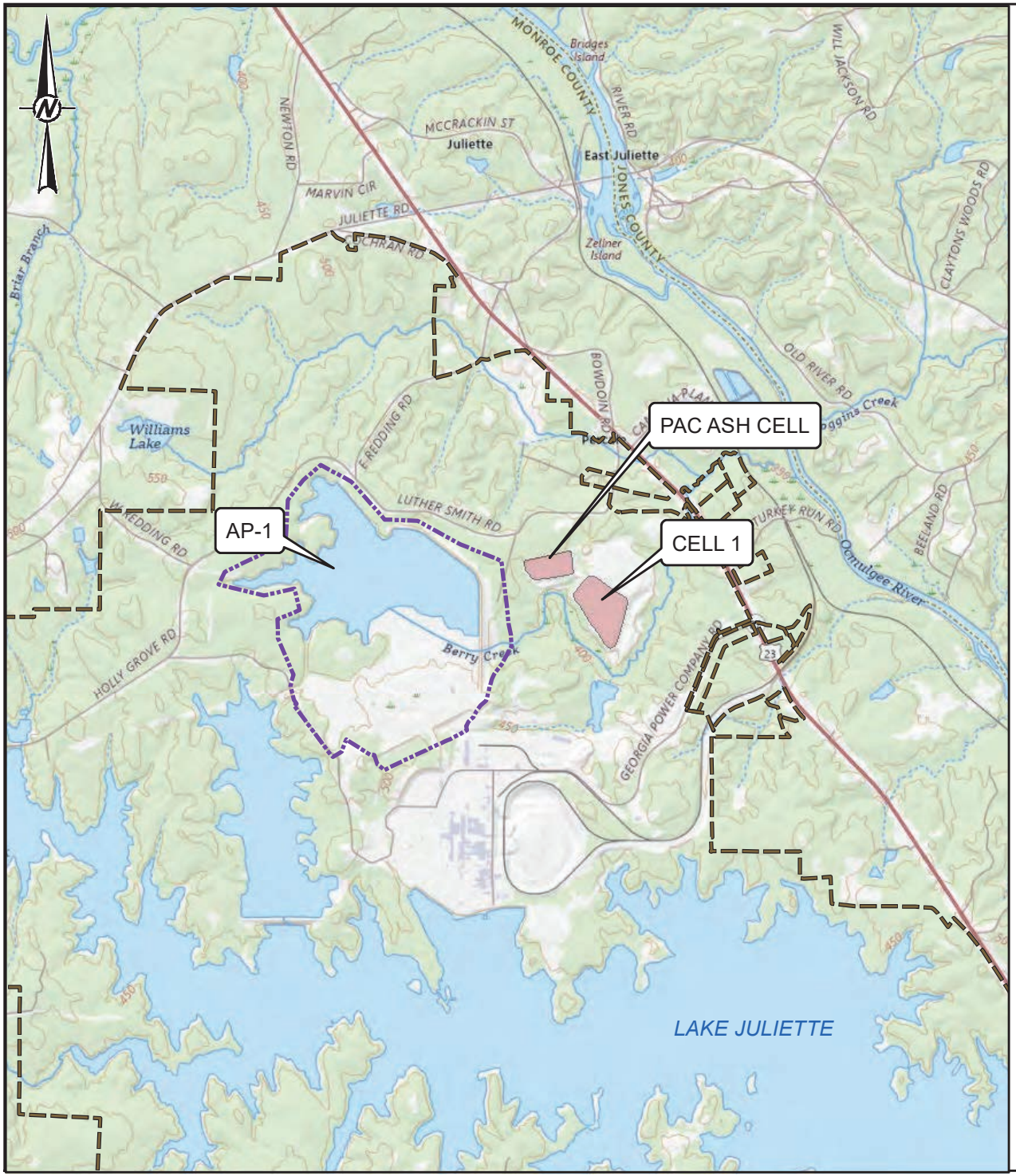
TABLE 3
PROPOSED ACM SUPPLEMENTARY DATA COLLECTION TASKS FOR JUNE THROUGH DECEMBER 2025
Georgia Power Company
Plant Scherer - Ash Pond 1
Monroe County, GA

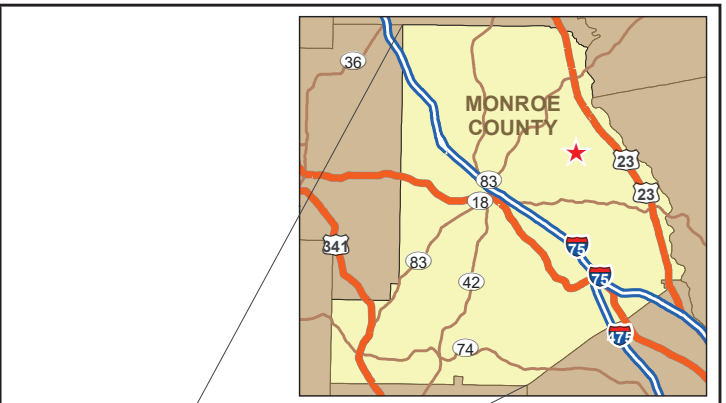
Data Collection Event	Applicable CMs[1]	Applicability / Rationale	Field Component	Parameters of Interest (POI)
Groundwater Sampling	ISI P&T MNA PRB	Evaluation of attenuation mechanisms and rates and aquifer capacity for attenuation to determine the viability of applicable CMs for remedy selection.	Collect groundwater samples from existing well network currently sampled under the assessment monitoring program as well as additional site piezometers within migration pathway.	Routine App III/IV parameters. Other parameters: sulfide, iron, manganese, magnesium, sodium, potassium, bicarbonate alkalinity, dissolved organic carbon (DOC), and total hardness to be collected at select locations.
Soil Data Analysis	ISI MNA PRB	Evaluate soil data to determine attenuation mechanism and rates, aquifer attenuation and mineralogical characterization to support geochemical modeling.	No Field Component	Mineralogical characterization to support geochemical modeling.
Geochemical Modeling	ISI MNA	Evaluate attenuation mechanisms/rates and aquifer capacity for attenuation and/or mineralogical composition to determine the viability of MNA and/or the treatability through ISI.	No Field Component	Attenuation rates and aquifer capacity for attenuation.
Bench Scale Testing	ISI MNA	Proceed with bench scale testing of injectate amendments to confirm preliminary geochemical modeling results.	No Field Component	The final phase of bench scale testing which includes a design and implementation plan.

[1] Applicable Corrective Measures (CMs) retained for further evaluation:

a) Geochemical Approaches, In-Situ Injection (ISI)
b) Hydraulic Containment, Pump & Treat (P&T)
c) Monitored Natural Attenuation (MNA)
d) Permeable Reactive Barrier (PRB)

Figures







LEGEND

PROPERTY BOUNDARY

AP-1 PERMIT BOUNDARY

Service Layer Credits: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset,

0 4000 8000 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

TITLE
SITE LOCATION MAP

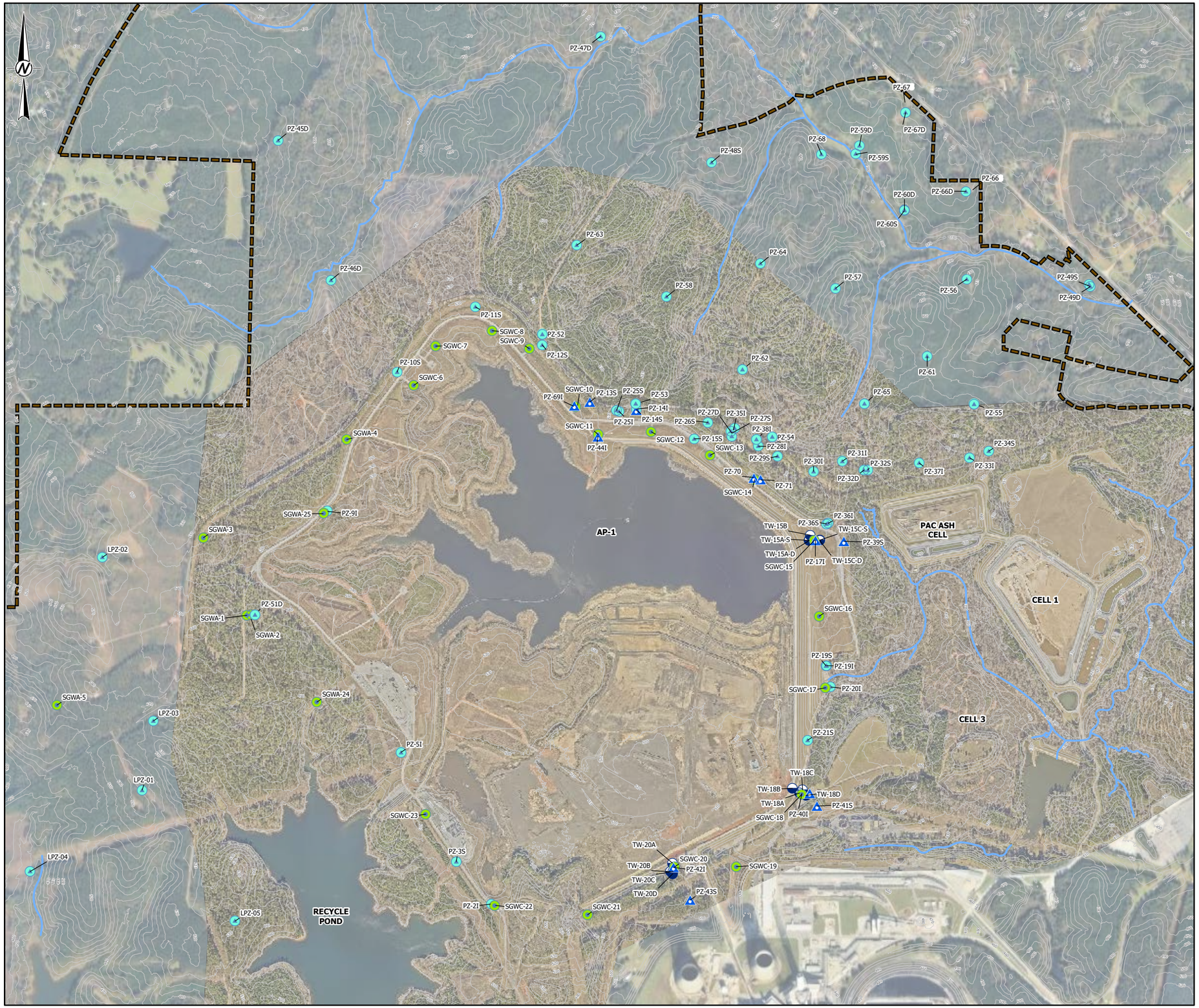
CONSULTANT
wsp

YYYY-MM-DD	2024-12-03
PREPARED	RHG
DESIGN	DLP
CHECKED	DLP
APPROVED	RNQ

PROJECT No.
31406440.018

FIGURE
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET HAS BEEN MODIFIED FROM: ANSI A
1 in
0



LEGEND

- ASSESSMENT MONITORING WELL
- SCHERER ASH POND-CCR MONITORING WELL
- PIEZOMETER
- TEMPORARY WELL
- PROPERTY BOUNDARY
- STREAM
- EXISTING TOPOGRAPHY

NOTE(S)

1. MONITORING WELL LOCATIONS PROVIDED BY JORDAN ENGINEERING.
2. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.
3. WELLS PZ-70 AND PZ-71 WERE INSTALLED IN JUNE 2025.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
3. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.

0 600 1,200 2,400 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

PROJECT
2025 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

TITLE
MONITORING WELL AND PIEZOMETER LOCATION MAP

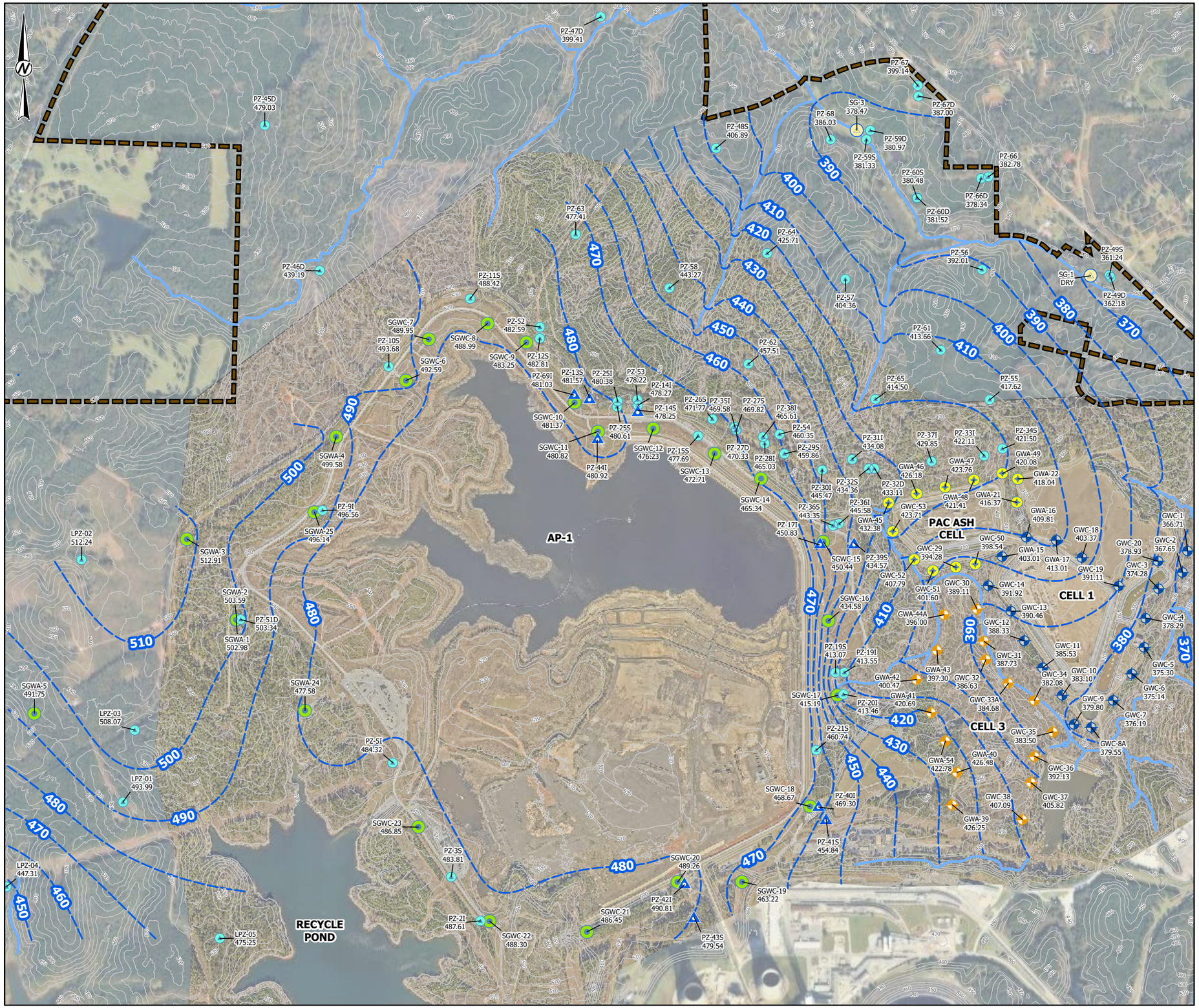
CONSULTANT

YYYY-MM-DD	2025-08-14
DESIGNED	RHG
PREPARED	RHG
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO.
31406440.018

FIGURE
2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 1in



LEGEND

- SCHERER ASH POND-CCR MONITORING WELL
- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- CELL 3 MONITORING WELL
- PIEZOMETER
- STREAM GAUGE LOCATION
- ASSESSMENT MONITORING WELL
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- STREAM
- PROPERTY BOUNDARY
- EXISTING TOPOGRAPHY

NOTE(S)

1. GROUNDWATER ELEVATIONS MEASUREMENTS OBTAINED FEBRUARY 18, 2025 BY WSP STAFF.
2. GROUNDWATER ELEVATIONS DISPLAYED IN FEET-NORTH AMERICAN VERTICAL DATUM (FT-NAVD 88).
3. **DEEP AND INTERMEDIATE WELL GROUNDWATER ELEVATIONS WERE NOT USED TO GENERATE POTENTIOMETRIC SURFACE CONTOURS.**
4. PZ-50D IS NOT SHOWN; ITS LOCATION IS BEYOND THE MAPPED LIMITS.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. MONITORING WELL/PIEZOMETER LOCATIONS PROVIDED BY JORDAN ENGINEERING.
3. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
4. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.



0 600 1,200 2,400 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 18, 2025

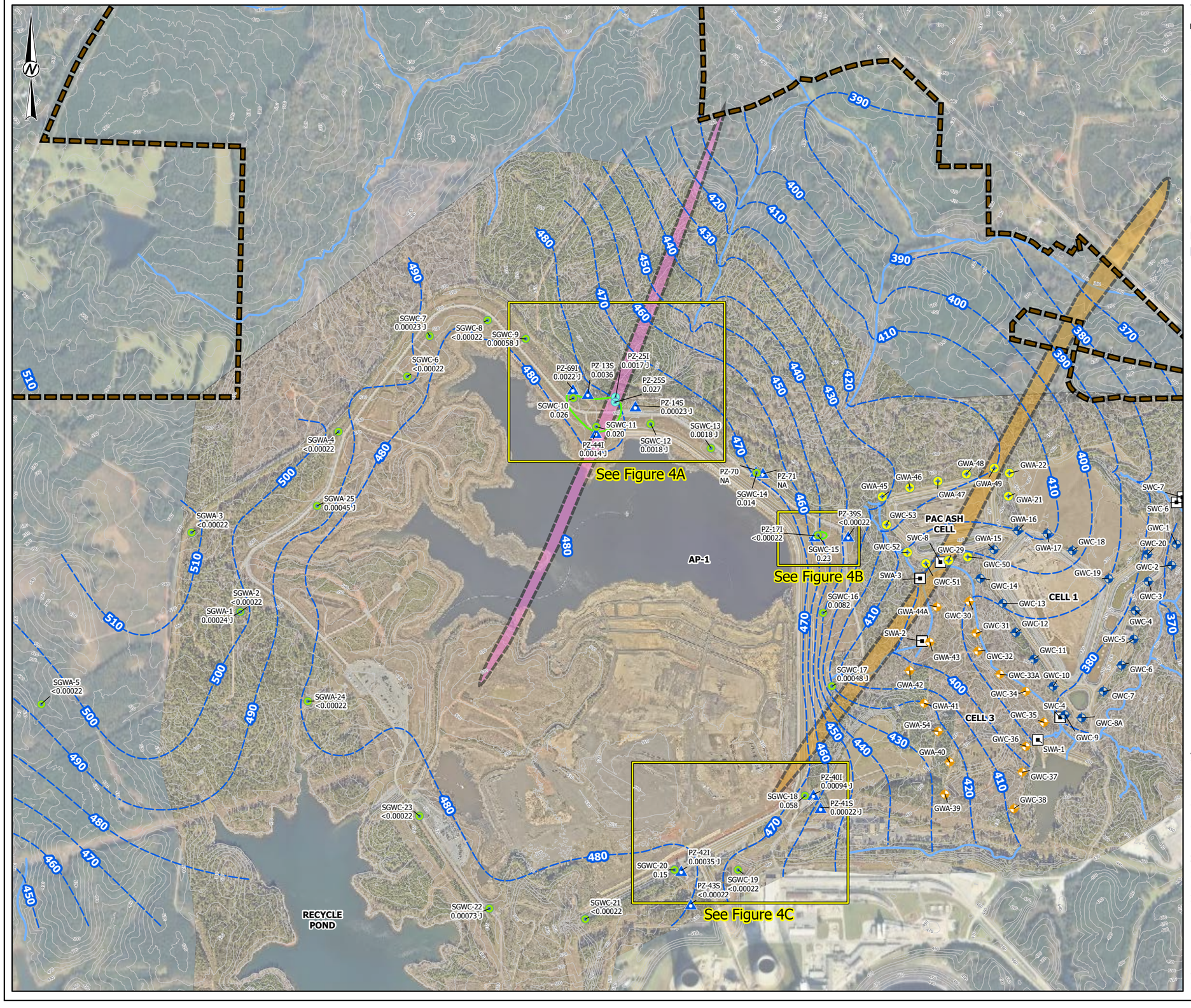
CONSULTANT

wsp

YYYY-MM-DD	2025-08-04
DESIGNED	RHG
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO. 31406440.018 | REV 1 | FIGURE 3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

- PROPERTY BOUNDARY
- STREAM
- EXISTING TOPOGRAPHY
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- 0.006 COBALT ISOCONCENTRATION CONTOUR
- SCHERER ASH POND-CCR MONITORING WELL
- CELL 1 LANDFILL MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- CELL 3 MONITORING WELL
- PIEZOMETER
- ASSESSMENT MONITORING WELL
- SURFACE WATER LOCATION
- DIABASE (Td)
- DIORITE SILL (OZpd)
- INSETS FOR COBALT ISOCONCENTRATION MAPS

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.0025	0.006

RSL = REGIONAL SCREENING LEVEL
MCL = MAXIMUM CONTAMINANT LEVEL
GWPS = GROUNDWATER PROTECTION STANDARD
N/R = NOT REPORTED
NA = NOT ANALYZED

NOTE(S)
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED FEBRUARY 2025. J FLAGS INDICATE ESTIMATED VALUE.
3. THE GEOLOGY PRESENTED ON THIS FIGURE IS TAKEN FROM THE GEOLOGIC MAP PREPARED BY PETROLOGIC SOLUTIONS INC. IN 2020.
4. WELLS PZ-70 AND PZ-71 WERE INSTALLED IN JUNE 2025.
5. ISOCONCENTRATION CONTOURS WERE NOT PRODUCED FOR SGWC-14 AS DELINEATION IS ONGOING.

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.
3. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
4. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.

0 650 1,300 2,600 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

PROJECT
2025 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

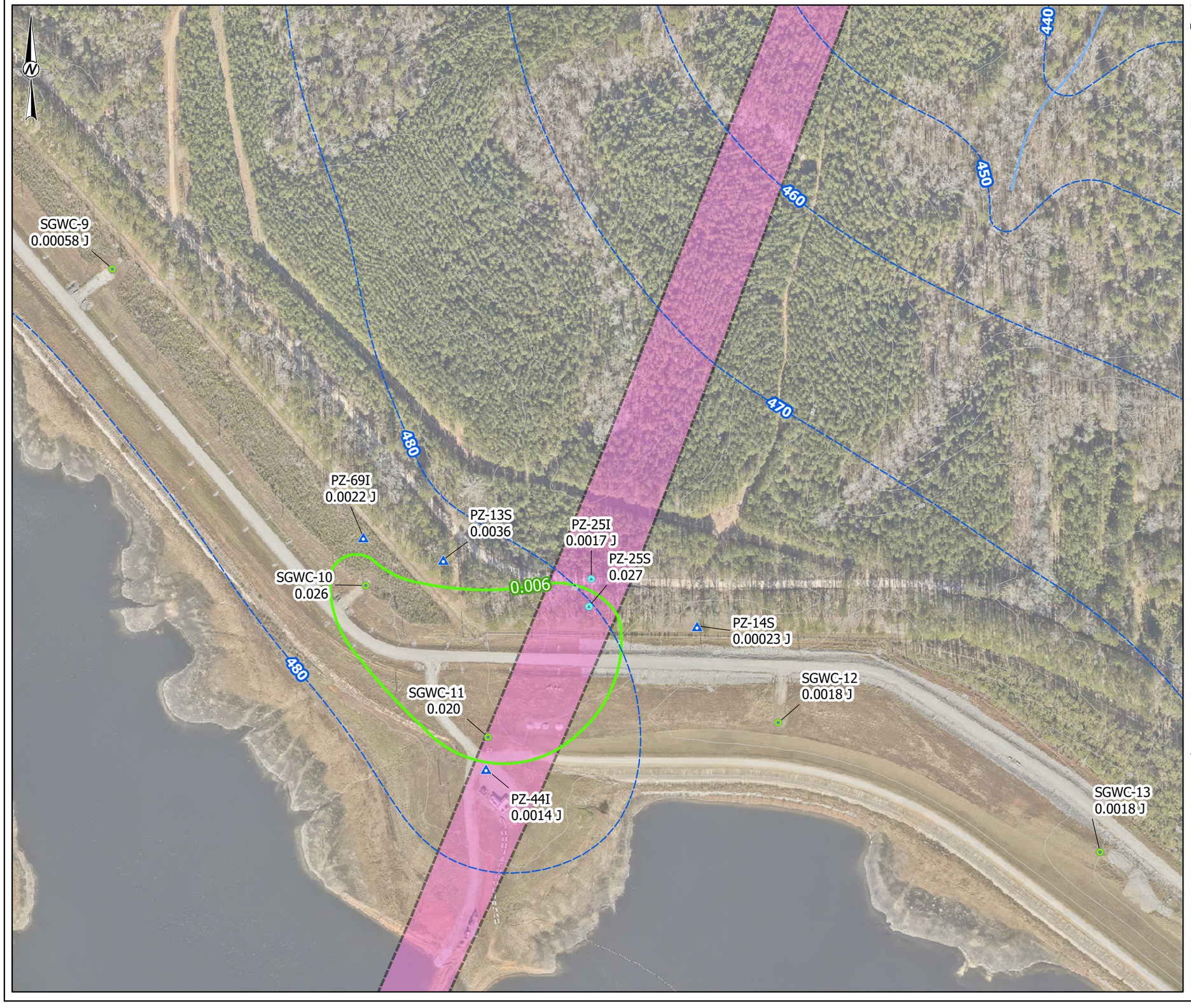
TITLE
COBALT ISOCONCENTRATION MAP
FEBRUARY 2025

CONSULTANT

YYYY-MM-DD	2025-08-14
DESIGNED	RHG
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO. 31406440.018
FIGURE 4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



LEGEND

- PROPERTY BOUNDARY
- STREAM
- EXISTING TOPOGRAPHY
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- 0.006 COBALT ISOCONCENTRATION CONTOUR
- DIABASE (Td)
- DIORITE SILL (OZpd)
- SCHERER ASH POND-CCR MONITORING WELL
- PIEZOMETER
- ASSESSMENT MONITORING WELL

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.0025	0.006

RSL = REGIONAL SCREENING LEVEL

MCL = MAXIMUM CONTAMINANT LEVEL

GWPS = GROUNDWATER PROTECTION STANDARD

N/R = NOT REPORTED

NA = NOT ANALYZED

NOTE(S)

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED FEBRUARY 2025. J FLAGS INDICATE ESTIMATED VALUE.
3. THE GEOLOGY PRESENTED ON THIS FIGURE IS TAKEN FROM THE GEOLOGIC MAP PREPARED BY PETROLOGIC SOLUTIONS INC. IN 2020.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.
3. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
4. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.

0 112.5 225 450 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

TITLE
INSET A - COBALT ISOCONCENTRATION MAP
FEBRUARY 2025

CONSULTANT
wsp

YYYY-MM-DD	2025-08-26
DESIGNED	RHG
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO.
31406440.018

FIGURE
4A

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
1 in
0



LEGEND

- PROPERTY BOUNDARY
- STREAM
- EXISTING TOPOGRAPHY
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- 0.006 COBALT ISOCONCENTRATION CONTOUR
- DIABASE (Td)
- DIORITE SILL (OZpd)
- SCHERER ASH POND-CCR MONITORING WELL
- ASSESSMENT MONITORING WELL

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.0025	0.006

RSL = REGIONAL SCREENING LEVEL

MCL = MAXIMUM CONTAMINANT LEVEL

GWPS = GROUNDWATER PROTECTION STANDARD

N/R = NOT REPORTED

NA = NOT ANALYZED

NOTE(S)

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED FEBRUARY 2025. J FLAGS INDICATE ESTIMATED VALUE.
3. THE GEOLOGY PRESENTED ON THIS FIGURE IS TAKEN FROM THE GEOLOGIC MAP PREPARED BY PETROLOGIC SOLUTIONS INC. IN 2020.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.
3. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
4. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.

0 40 80 160 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

TITLE
INSET B - COBALT ISOCONCENTRATION MAP
FEBRUARY 2025

CONSULTANT
wsp

YYYY-MM-DD	2025-08-26
DESIGNED	RHG
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO.
31406440.018

FIGURE
4B

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 1 in



LEGEND

- PROPERTY BOUNDARY
- STREAM
- EXISTING TOPOGRAPHY
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88)
- 0.006 COBALT ISOCONCENTRATION CONTOUR
- DIABASE (Td)
- DIORITE SILL (OZpd)
- SCHERER ASH POND-CCR MONITORING WELL
- ASSESSMENT MONITORING WELL

ANALYTE	UNITS	SCREENING / TARGET LEVELS			
		RSL	MCL	SITE-SPECIFIC BACKGROUND (UPPER TOLERANCE LIMIT)	GWPS
COBALT, TOTAL	mg/L	0.006	N/R	0.0025	0.006

RSL = REGIONAL SCREENING LEVEL

MCL = MAXIMUM CONTAMINANT LEVEL

GWPS = GROUNDWATER PROTECTION STANDARD

N/R = NOT REPORTED

NA = NOT ANALYZED

NOTE(S)

1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. CONCENTRATIONS REPORTED IN MILLIGRAMS PER LITER (MG/L), SAMPLED FEBRUARY 2025. J FLAGS INDICATE ESTIMATED VALUE.
3. THE GEOLOGY PRESENTED ON THIS FIGURE IS TAKEN FROM THE GEOLOGIC MAP PREPARED BY PETROLOGIC SOLUTIONS INC. IN 2020.

REFERENCE(S)

1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.
3. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
4. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.

0 112.5 225 450 Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
2025 SEMI-ANNUAL REMEDY SELECTION AND DESIGN PROGRESS REPORT

TITLE
INSET C - COBALT ISOCONCENTRATION MAP FEBRUARY 2025

CONSULTANT
wsp

YYYY-MM-DD	2025-08-26
DESIGNED	RHG
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO.
31406440.018

FIGURE
4C

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

Appendix A
Bench Scale Testing

August 14, 2025

Todd Rees, PhD, PE
Senior Program Leader

PJ Nolan, PhD, PG *(MN/KY)*
Senior Technical Principal, Geochemistry
Assistant Vice President
WSP

TERRA SYSTEMS FINAL REPORT TO WSP FOR COAL ASH RESIDUE TREATABILITY STUDY PLANT SCHERER, JULIETTE GA VERSION 2

1.0 INTRODUCTION

Coal ash residue landfill may generate acidic conditions which allow metals such as arsenic, beryllium, cobalt, lithium, molybdenum, and selenium to accumulate to levels above regulatory limits. This bench-scale treatability evaluated neutralization/precipitation with sodium bicarbonate and enhanced precipitation/adsorption with manganese oxyhydroxide (MnOOH), manganese hydroxide ($Mn(OH)_2$), manganese oxide (Mn_2O_3), and potassium permanganate ($KMnO_4$) that can adsorb cobalt and other heavy metals for five (5) different groundwaters and associated soils at Plant Scherer.

2.0 BENCH-SCALE STUDY SCOPE

The objectives of the bench-scale study were to evaluate the appropriate in situ remediation technology for cobalt:

- Identify the feasibility of in-situ remediation.
- Determine the design parameters including reagent dosage and demand.

The bench-scale treatability study investigated a control and five reagents: sodium bicarbonate and sodium bicarbonate supplemented with manganese oxyhydroxide, manganese hydroxide, manganese oxide, and potassium permanganate using site groundwater and soils/sediments. Three loadings were evaluated for the manganese reagents: 50, 100, and 1,000 mg/L.

2.1 Reagent Selection

The bench-scale treatability study assumed that one of the following technologies can be used for in-situ remediation of the metals:

- elevated pH precipitation with sodium bicarbonate alone
- direct sorption/precipitation onto four different manganese-oxide surfaces

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All reagents used for the bench-scale test were commercially available products. Small quantities of manganese oxyhydroxide, manganese hydroxide, and manganese oxide were obtained from Nanochemazone of Leduc, Alberta, Canada. The sodium bicarbonate was purchased from Prochem and the potassium permanganate from Sigma. The reagent usages and their dosages were adjusted according to the results of the activities and observations during the execution of the bench-scale treatability study. The following provides more detail on each of the reagents proposed for the bench-scale treatability testing:

- ProChem Sodium Bicarbonate: This material was purchased from ProChem Inc. of Rockford, IL for $139 plus shipping of $18 for 2.5 kg or about $28/pound. Sodium bicarbonate can increase the pH up to about 8.3 SU. One loading (20 g/L) of sodium bicarbonate was evaluated in the tests to determine precipitation of cobalt from five groundwaters in Plant Scherer.

- Nanochemazone Manganese oxyhydroxide (manganite) or MnOOH is insoluble in water and has a pH of 6-8. One hundred grams of this material was purchased from Nanochemazone of Leduc, Alberta, Canada for $175/100 g plus shipping of $33 or the equivalent of $943/pound. Three loadings (0.05, 0.10, and 1.0 g/L) of manganese oxyhydroxide with 20 g/L sodium bicarbonate were evaluated for the precipitation of cobalt in five (5) groundwaters from Plant Scherer.

- Nanochemazone Manganese (II) hydroxide or $Mn(OH)_2$ is almost insoluble in water (0.0034 g/L at 18 C) and the saturated solution has pH of >12. One hundred grams of this material was purchased from Nanochemazone of Leduc, Alberta, Canada for $155/100 g plus shipping of $33 or the equivalent of $853/pound. Three loadings (0.05, 0.10, and 1.0 g/l) of manganese hydroxide with 20 g/L sodium bicarbonate were evaluated for the precipitation of cobalt in five (5) groundwaters from Plant Scherer.

- Nanochemazone Manganese (III) oxide or Mn_2O_3 is almost insoluble in water (0.00504 g/L) and has a pH of 5.6. One hundred grams of this material was purchased from Nanochemazone of Leduc, Alberta, Canada for $155/100 g plus shipping of $33 or the equivalent of $853/pound. Three loadings (0.05, 0.10, and 1.0 g/L) of manganese (III) oxide with 20 g/L sodium bicarbonate were evaluated for the precipitation of cobalt in five (5) groundwaters from Plant Scherer.

- Sigma Potassium permanganate or $KMnO_4$ or $KMnO_4$ is relatively soluble in water (76 g/L at 25 C) and has a neutral pH. This material was purchased a number of years ago for an unknown price. Hepure, a supplier of potassium permanganate, has a list price of $2.45/pound for 55 pounds plus shipping. Three loadings (0.05, 0.10, and 1.0 g/L) of potassium permanganate were evaluated for the precipitation of cobalt in five (5) groundwaters from Plant Scherer.

It is likely that larger quantities of sodium bicarbonate, manganese oxyhydroxide, manganese hydroxide, or manganese oxide could be purchased at a substantial discount or from other vendors.

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2.2 Bench-scale Groundwater and Soil Collection

Groundwater samples were collected from the five locations in the volumes shown in parenthesis, SCH-SGWC-10 (10.8 kg), SCH-SGWC-11 (11.2 kg), SCH-SGWC-15 (9.1 kg), SCH-SGWC-18 (11.1 kg), and SCH-SGWC-20 (10.8 kg). Some of the SCH-SGWC-15 leaked out of the container during shipping. Soil samples were collected from the five locations, SCH-SB-SGWC-10 20-30'(15.3 kg), SCH-SB-SGWC-11 30-40' (14.2 kg), SCH-SB-SGWC-15 35-45' (17.4 kg), SCH-SB SGWC-18 34-44' (15.9 kg), and SCH-SB-SGWC-20 15-25' (15.6 kg). These weights include the containers. The samples were delivered to the TS under a chain of custody on March 6, 2025.

With screening titrations studies and batch reactors using three dosages for sodium bicarbonate, three dosages for sodium bicarbonate plus manganese oxyhydroxide, three dosages for sodium bicarbonate plus manganese oxide, three dosages for sodium bicarbonate plus manganese hydroxide, three dosages for potassium permanganate, and 1 control (total of 16 tests per groundwater), and assuming 1 L reaction vessels for each treatment at approximately 60% by volume full with groundwater and 40% full with soil/sediment or about 0.72 kg assuming a density of 1.8 g/cm^3, a minimum of 11.2 L (2.9 gallons) of groundwater and 13.4 kg (2.0 gallons of soils/sediments assuming a density of 1.8 g/cm^3) are required for each of the five groundwaters. The field sampling team was instructed to obtain at least 4 gallons of groundwater and 17 kg (37 pounds) or 2.5 gallons of soils/sediments per well.

2.3 Baseline characterization

At the beginning of the bench-scale treatability test, the baseline characterization was performed to verify contaminant concentrations in the samples. The groundwater samples were homogenized to the extent possible. The homogenized groundwater samples were analyzed for total cobalt, arsenic, molybdenum, beryllium, lithium, selenium, iron, potassium, manganese, magnesium, and sodium (metals chosen based upon site characteristics); dissolved arsenic, beryllium, cobalt, molybdenum, lithium, and selenium (based upon site characteristics); dissolved organic carbon (DOC), and sulfate, by the Eurofins Lancaster Laboratories and the soil samples were analyzed for total cobalt, arsenic, molybdenum, beryllium, lithium, selenium, iron, potassium, manganese, magnesium, and sodium (metals chosen based upon site characteristics). TS measured pH, ORP, dissolved oxygen (DO), total suspended solids, bicarbonate alkalinity, total hardness, ferrous iron, and sulfide by TS using calibrated meters and Hach procedures. Each of the five reagents were used to prepare 10 g/L solution in distilled water and analyzed for total cobalt, arsenic, molybdenum, beryllium, lithium, selenium, iron, potassium, manganese, magnesium, and sodium and dissolved arsenic, beryllium, cobalt, molybdenum, lithium, and selenium.

Table 1 presents the results of the field parameters for the five groundwaters as received. The field parameters were measured with meters and probes calibrated daily and by Hach methods for ferrous iron, total iron, sulfide, alkalinity, and hardness. All groundwaters were aerobic with dissolved oxygen levels of 5.2 to 10.7 mg/L and positive redox potentials (202 to 244 mV). The pH ranged from a low 4.6 SU in SCH-SGWC-20 to 5.4 SU in SCH-

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SGWC-10. Specific conductivity ranged from 133 to 738 µmhos/cm. Ferrous iron as measured by the Hach method was generally low ranging from 0.1 to 4.85 mg/L and total iron from 0.75 to 5.1 mg/L. There was little sulfide, 0.03 mg/L or less. Hardness ranged from 50 to 220 mg/L as $CaCO_3$ and alkalinity from <20 to 40 mg/L as $CaCO_3$.

Table 2 presents the dissolved metals, total metals, sulfate, and dissolved organic carbon (DOC) in the groundwaters as determined by Eurofins Lancaster Laboratories Environmental. Dissolved lithium and molybdenum were not detected in any groundwater. Only traces of dissolved arsenic, beryllium, cadmium, and selenium were found in some of the groundwaters. Dissolved cobalt ranged from 0.0213 to 0.250 mg/L with all groundwater exceeding the GWPS of 0.0060 mg/L. Dissolved manganese ranged from 0.572 to 3.5 mg/L. Total lithium and molybdenum were not detected in any groundwater. Only traces of total arsenic, beryllium, cadmium, and selenium were found in some of the groundwaters. Total cobalt ranged from 0.0202 to 0.255 mg/L with all groundwater exceeding the GWPS of 0.0060 mg/L. Total iron ranged from <0.0206 to 1.61 mg/L. Total potassium ranged 0.335 to 5.1 mg/L. Total magnesium ranged 1.62 to 19.9 mg/L. Total manganese ranged from 0.587 to 3.76 mg/L. Total sodium ranged from 7.4 to 303 mg/L. Sulfate ranged from 21.9 to 918 mg/L with wells SCH-SGWC-15, SCH-SGWC-18, and SCH-SGWC-20 having more than 200 mg/L sulfate. DOC were low, <0.5 to 1.17 mg/L.

Table 3 presents the total metals and percent moisture in the soils. Total lithium was not detected in any soil. The following ranges of metals were seen in the soil: arsenic 0.421 to 6.36 mg/kg, beryllium 0.664 to 1.69 mg/kg, cadmium <0.0467 to 0.463 mg/kg, cobalt 106 to 104 mg/kg, iron 51,300 to 64,700 mg/kg, potassium 481 to 4,640 mg/kg, magnesium 1,490 to 10,700 mg/kg, manganese 537 to 2,180 mg/kg, molybdenum <0.124 to 0.263 mg/kg; sodium 79.9 to 362 mg/kg, selenium <0.114 to 0.388 mg/kg, and moisture 31.0 to 34.6%. There are low levels of <1 mg/kg of arsenic, cadmium, molybdenum, and selenium in the soils, moderate levels of 1-2 mg/kg of beryllium, and higher levels of cobalt in the soils that could potentially leach into the groundwater.

Table 4 presents the field parameters, dissolved metals and total metals in the 10,000 mg/L solutions of the five reagents (sodium bicarbonate, manganese oxyhydroxide, manganese oxide, manganese hydroxide, and potassium permanganate) prepared in distilled water. The dissolved oxygen levels were aerobic (9.0 to 9.3 mg/L), redox potentials ranged from 138 to 550 mV, pHs from 3.1 to 8.3 SU, and specific conductivities from 99 to 7,620 µmhos/cm. The 10,000 mg/L solutions of manganese oxyhydroxide and manganese hydroxide solutions were acidic with pHs of 3.1 and 4.7 SU. Dissolved arsenic, beryllium, lithium and molybdenum were not detected in any reagent. Only traces of dissolved cadmium and cobalt were found in some of the reagents. Dissolved selenium at 2.5 mg/L exceeded the GWPS of 0.050 mg/L in the potassium permanganate solution. Dissolved manganese ranged from 0.028 to 3,800 mg/L. Total arsenic, beryllium, iron, and molybdenum were not detected in any reagent solution. Only traces of total cadmium, cobalt, lithium, and selenium were found in some of the reagent solutions. Total potassium ranged <0.25 to 1,700 mg/L. Total magnesium ranged <0.080 to 1.7 mg/L. Total manganese ranged from 4.0 to 1,700 mg/L. Total sodium ranged from 1.8 to 2,500 mg/L.

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Table 1. Groundwater Field Parameters

Sample	DO	pH	ORP	SC	Ferrous Iron	Total Iron	Sulfide	Hardness	Alkalinity
	mg/L	SU	mV	µmhos/cm	mg/L	mg/L	mg/L	mg/L as CaCO3	mg/L as CaCO3
GWPS									
SCH-SGWC-10	7.6	5.4	212	144	0.2	0.75	<0.01	80	<20
SCH-SGWC-11	5.2	5.3	244	146	4.85	5.1	0.03	40	40
SCH-SGWC-15	10.7	5.0	202	265	0.1	1.35	<0.01	160	20
SCH-SGWC-18	8.4	5.2	208	738	0.15	2.8	<0.01	220	40
SCH-SGWC-20	7.3	4.6	227	297	0.01	2.1	<0.01	200	<20

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Table 2. Groundwater Dissolved Metals, Total Metals, Sulfate, and DOC

Sample		GWPS	SCH-SGWC-10	SCH-SGWC-11	SCH-SGWC-15	SCH-SGWC-18	SCH-SGWC-20
Dis. As	mg/L	0.010	<0.00070	<0.00070	<0.00070	0.000928	<0.00070
Dis. Be	mg/L	0.004	<0.000123	<0.000123	0.000473	0.000184	0.00092
Dis. Cd	mg/L	0.0050	<0.000156	<0.000156	0.000224	<0.000156	<0.000156
Dis. Co	mg/L	0.0060	**0.0216**	**0.0213**	**0.250**	**0.0587**	**0.121**
Dis. Li	mg/L	0.040	<0.0113	<0.0113	<0.0113	<0.0114	<0.0113
Dis. Mn	mg/L		0.584	0.695	3.5	0.572	1.67
Dis. Mo	mg/L	0.1	<0.000206	<0.000206	<0.000206	<0.000206	<0.000206
Dis. Se	mg/L	0.050	<0.000286	<0.000286	<0.000286	0.000424	<0.000286
Tot. As	mg/L	0.010	<0.00068	<0.00068	0.000913	0.000797	<0.0070
Tot. Be	mg/L	0.004	<0.000119	<0.000119	0.000517	0.000199	0.000916
Tot. Cd	mg/L	0.0050	<0.000151	<0.000151	0.000254	<0.000156	<0.000156
Tot. Co	mg/L	0.0060	**0.0214**	**0.0202**	**0.255**	**0.0626**	**0.122**
Tot. Fe	mg/L		0.159	1.61	<0.0206	<0.0206	<0.0206
Tot. K	mg/L		0.335	0.615	5.1	2.87	3.69
Tot. Li	mg/L	0.040	<0.0110	<0.0110	<0.0113	<0.0113	<0.0113
Tot. Mg	mg/L		8.85	1.62	15.4	16.0	19.9
Tot. Mn	mg/L		0.587	0.665	3.76	0.614	1.67
Tot. Mo	mg/L	0.1	<0.00020	<0.00020	<0.000206	<0.000206	<0.000206
Tot. Na	mg/L		7.4	15.6	51.7	303	62.2
Tot. Se	mg/L	0.050	<0.000278	<0.000278	<0.000278	0.000306	<0.000286
SO4	mg/L		41.2	21.9	202	918	294
DOC	mg/L		0.76	1.17	<0.5	0.516	0.57

0.000473	J value, compound detected above method detection limit but below method calibration range

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Table 3. Soils Total Metals and Percent Moisture

		SCH-SB-SGWC-10 (20-30')	SCH-SB=SGWC-11 (30-40')	SCH-SB-SGWC-15 (35-45')	SCH-SB-SGWC-18 (34-44')	SCH-SB-SGWC-20 (15-25')
Tot. As	mg/kg	0.709	6.36	0.65	0.568	0.421
Tot. Be	mg/kg	1.24	0.879	0.664	1.69	0.786
Tot. Cd	mg/kg	0.103	0.463	0.0915	0.215	<0.0467
Tot. Co	mg/kg	66.2	69.8	104	54.1	16.5
Tot. Fe	mg/kg	60700	51300	59700	64700	57800
Tot. K	mg/kg	4640	2160	803	481	2880
Tot. Li	mg/kg	<14.9	<55.8	<13.5	<11.4	<11.7
Tot. Mg	mg/kg	10700	7170	1900	1490	2880
Tot. Mn	mg/kg	1270	2180	1980	1760	537
Tot. Mo	mg/kg	<0.137	0.128	<0.124	0.263	0.118
Tot. Na	mg/kg	79.9	95.5	97.3	362	138
Tot. Se	mg/kg	<0.149	0.388	0.158	<0.114	0.321
Moisture	%	34.6	33.6	32.2	33.3	31.0
0.000473	J value, compound detected above method detection limit but below method calibration range					
2880	B compound detected in blank					

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Table 4. Reagent Field Parameters, Dissolved Metals, and Total Metals

Sample		GWPS	10 g/L Nanochemzone Manganese Oxide	10 g/L Nanochemzone Manganese Oxyhydroxide	10 g/L Nanochemzone Manganese Hydroxide	10 g/L Sigma Potassium Permanganate	10 g/L Prochem Sodium Bicarbonate
DO	mg/L		9.1	9.3	9.3	9.0	9.2
pH	SU		7.4	3.1	4.7	7.7	8.3
ORP	mV		162	387	138	550	223
SC	umhos/cm		134	204	99	357	7620
Dis. As	mg/L	0.010	<0.016	<0.016	<0.016	<0.16	<0.016
Dis. Be	mg/L	0.004	<0.0010	<0.0010	<0.0010	<0.010	<0.0010
Dis. Cd	mg/L	0.0050	<0.0010	<0.0010	0.0019	<0.010	0.0059
Dis. Co	mg/L	0.0060	<0.0015	<0.0015	0.0062	<0.015	<0.0015
Dis. Li	mg/L	0.040	0.015	<0.011	<0.011	<0.11	<0.011
Dis. Mn	mg/L		0.38	0.63	17	3800	0.028
Dis. Mo	mg/L	0.1	<0.0021	<0.0021	<0.0021	<2.1	<0.0021
Dis. Se	mg/L	0.050	<0.016	<0.016	<0.016	**2.5**	<0.016
Tot. As	mg/L	0.010	<0.016	<0.016	<0.016	<0.16	<0.016
Tot. Be	mg/L	0.004	<0.0010	<0.0010	<0.0010	<0.010	<0.0010
Tot. Cd	mg/L	0.0050	<0.0010	<0.0010	<0.0010	0.034	<0.0010
Tot. Co	mg/L	0.0060	<0.0015	<0.0015	0.011	<0.0015	<0.0015
Tot. Fe	mg/L		<0.080	<0.080	<0.080	<0.80	<0.080
Tot. K	mg/L		0.58	<0.25	<0.25	1700	<0.25
Tot. Li	mg/L	0.040	0.016	0.014	<0.011	<0.11	<0.011
Tot. Mg	mg/L		0.45	1.7	<0.080	<0.80	0.27
Tot. Mn	mg/L		30	4.0	10.0	1700	0.022
Tot. Mo	mg/L	0.1	<0.0020	<0.0020	<0.0020	<0.020	<0.0020
Tot. Na	mg/L		23	1.8	2.2	5.7	2500
Tot. Se	mg/L	0.050	0.030	<0.016	<0.016	**1.6**	<0.016
0.000473	J value, compound detected above method detection limit but below method calibration range						

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2.4 Titration Tests

Tests were conducted to determine the pH of groundwater and soil with control, sodium bicarbonate, manganese oxyhydroxide, manganese hydroxide, manganese oxide, and potassium permanganate reactors. Tests were completed to determine the pH of the SCH-SGWC-10 groundwater and soil with a control; 2,000, 5,000 and 10,000 mg/L of sodium bicarbonate; with 1,000, 5,000, and 10,000 mg/L of manganese oxyhydroxide; with 1,000, 5,000, and 10,000 of manganese hydroxide, with 1,000, 5,000, and 10,000 mg/L of manganese (III) oxide, and with 1,000, 5,000, and 10,000 mg/L of potassium permanganate. Sixteen reactors were prepared with 60 mL of each groundwater and 72 g associated soil (Table 5). The pH of the SCH-SGWC-10 Control was 5.2 SU. The sodium bicarbonate increased the pH to between 6.2 and 6.9 SU. The pH fell to the 4.3 to 4.7 SU range with the higher loadings of manganese oxyhydroxide and potassium permanganate. Only the potassium permanganate had much impact on the redox potential. Specific conductivity increased with the higher loadings of sodium bicarbonate, manganese oxyhydroxide, and manganese hydroxide.

The loadings were higher than planned. Additional reactors were prepared with SCH-SGWC-10 groundwater and soil including 1, 5, and 10 mg/L of manganese oxyhydroxide; 10, 50, and 100 of manganese hydroxide, 10, 50, and 100 of manganese (III) oxide, and and 10, 50, and 100 mg/L of potassium permanganate. Solutions of 1 g/L manganese oxyhydroxide, 10 g/L manganese hydroxide, 10 g/L manganese (III) oxide, and 10 g/L potassium permanganate were prepared in distilled water and the volumes shown in Table 5 were added. The pH was not impacted with a range of 5.0 to 5.3 SU. Redox potential (340 to 380 mV) and specific conductivity (98 to 420 μmhos/cm) also showed little change.

Reactors were prepared with SCH-SGWC-11 groundwater and soil including control; 2,000, 5,000 and 10,000 mg/L of sodium bicarbonate; with 1, 5, and 10 mg/L of manganese oxyhydroxide; with 10, 50, and 100 mg/L of manganese hydroxide, with 10, 50, and 100 mg/L of manganese (III) oxide, and with 10, 50, and 100 mg/L of potassium permanganate (Table 6). The pH of the SCH-SGWC-11 Control was 4.7 SU. The sodium bicarbonate increased the pH to between 5.5 and 6.0 SU. The pH fell to the 4.5 to 4.9 SU range with manganese oxyhydroxide, manganese hydroxide, manganese oxide, and potassium permanganate. None of the treatments had much impact on the redox potential (range 397 to 434 mV). Specific conductivity increased with the sodium bicarbonate but was not impacted by the other reagents.

Reactors were prepared with SCH-SGWC-15 groundwater and soil including control; 2,000, 5,000 and 10,000 mg/L of sodium bicarbonate; with 5, 10, and 1,000 mg/L of manganese oxyhydroxide and 20,000 mg/L sodium bicarbonate; with 50, 100, and 1,000 of manganese hydroxide and 20,000 mg/L sodium bicarbonate, with 50, 100, and 1,000 of manganese (III) oxide and 20,000 mg/L sodium bicarbonate, and with 50, 100, and 1,000 mg/L of potassium permanganate and 20,000 mg/L sodium bicarbonate (Table 7). The pH of the SCH-SGWC-15 Control was 4.9 SU. The sodium bicarbonate increased the pH to between 6.1 and 6.4 SU. The pH ranged from 6.9 to 7.2 SU with manganese oxyhydroxide, manganese hydroxide, manganese oxide, and potassium permanganate treatments amended with 20,000 mg/L sodium bicarbonate (except 50 mg/L potassium permanganate

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and 20,000 mg/L sodium bicarbonate where the pH was 5.9 SU). Only the potassium permanganate treatments impacted the redox potential (range 453 to 543 mV). Specific conductivity increased with the sodium bicarbonate added to the manganese reagents.

Reactors were prepared with SCH-SGWC-18 groundwater and soil including control; 2,000, 5,000 and 10,000 mg/L of sodium bicarbonate; with 5, 10, and 1,000 mg/L of manganese oxyhydroxide and 20,000 mg/L sodium bicarbonate; with 50, 100, and 1,000 of manganese hydroxide and 20,000 mg/L sodium bicarbonate, with 50, 100, and 1,000 of manganese (III) oxide and 20,000 mg/L sodium bicarbonate, and with 50, 100, and 1,000 mg/L of potassium permanganate and 20,000 mg/L sodium bicarbonate (Table 8). The pH of the SCH-SGWC-18 Control was 5.2 SU. The sodium bicarbonate increased the pH to between 6.7 and 7.3 SU. The pH ranged from 7.0 to 7.5 SU with manganese oxyhydroxide, manganese hydroxide, manganese oxide, and potassium permanganate treatments amended with 20,000 mg/L sodium bicarbonate. Only the highest potassium permanganate treatment impacted the redox potential (514 mV). Specific conductivity increased with the sodium bicarbonate added to the manganese reagents.

Reactors were prepared with SCH-SGWC-20 groundwater and soil including control; 2,000, 5,000 and 10,000 mg/L of sodium bicarbonate; with 5, 10, and 1,000 mg/L of manganese oxyhydroxide and 20,000 mg/L sodium bicarbonate; with 50, 100, and 1,000 of manganese hydroxide and 20,000 mg/L sodium bicarbonate, with 50, 100, and 1,000 of manganese (III) oxide and 20,000 mg/L sodium bicarbonate, and with 50, 100, and 1,000 mg/L of potassium permanganate and 20,000 mg/L sodium bicarbonate (Table 9). The pH of the SCH-SGWC-20 Control was 4.6 SU. The sodium bicarbonate increased the pH to between 5.3 and 6.3 SU. The pH ranged from 7.0 to 7.3 SU with manganese oxyhydroxide, manganese hydroxide, manganese oxide, and potassium permanganate treatments amended with 20,000 mg/L sodium bicarbonate. Only the highest potassium permanganate treatment impacted the redox potential (568 mV). Specific conductivity increased with the sodium bicarbonate added to the manganese reagents.

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Table 5. SCH-SGWC-10 Titrations

SCH-SGWC-10 GW and Soil	Soil	Groundwater	Reagent	pH	ORP	SC
	g	g	g	SU	mV	µmhos/cm
Control	72	60		5.2	211	126
2000 mg/L Sodium Bicarbonate	72	60	0.12	6.2	226	841
5000 mg/L Sodium Bicarbonate	72	60	0.3	6.6	261	1974
10000 mg/L Sodium Bicarbonate	72	60	0.6	6.9	269	3990
1000 mg/L Manganese Oxyhydroxide	72	60	0.06	5.3	226	309
5000 mg/L Manganese Oxyhydroxide	72	60	0.3	4.7	248	1488
10000 mg/L Manganese Oxyhydroxide	72	60	0.6	4.3	275	1759
1000 mg/L Manganese Hydroxide	72	60	0.06	5.1	282	130
5000 mg/L Manganese Hydroxide	72	60	0.3	5.2	288	1323
10000 mg/L Manganese Hydroxide	72	60	0.6	5.4	293	1308
1000 mg/L Manganese Oxide	72	60	0.06	5.1	296	124
5000 mg/L Manganese Oxide	72	60	0.3	5.1	295	146
10000 mg/L Manganese Oxide	72	60	0.6	5.1	295	162
1000 mg/L Potassium Permanganate	72	60	0.06	4.6	478	200
5000 mg/L Potassium Permanganate	72	60	0.3	4.4	520	376
10000 mg/L Potassium Permanganate	72	60	0.6	4.2	530	701

SCH-SGWC-10 GW and Soil	Soil	Groundwater	Reagent	pH	ORP	SC
	g	g	mL	SU	mV	µmhos/cm
1 mg/L Manganese Oxyhydroxide	72	60	0.06	5.2	340	118
5 mg/L Manganese Oxyhydroxide	72	60	0.3	5.0	358	98
10 mg/L Manganese Oxyhydroxide	72	60	0.6	5.2	373	420
10 mg/L Manganese Hydroxide	72	60	0.06	5.1	380	108
50 mg/L Manganese Hydroxide	72	60	0.3	5.2	383	99
100 mg/L Manganese Hydroxide	72	60	0.6	5.2	387	122
10 mg/L Manganese Oxide	72	60	0.06	5.2	385	110
50 mg/L Manganese Oxide	72	60	0.3	5.3	386	116
100 mg/L Manganese Oxide	72	60	0.6	5.3	384	112
10 mg/L Potassium Permanganate	72	60	0.06	5.1	385	106
50 mg/L Potassium Permanganate	72	60	0.3	5.1	383	114
100 mg/L Potassium Permanganate	72	60	0.6	5.1	383	108

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Table 6. SCH-SGWC-11 Titrations

SCH-SGWC-11 GW and Soil	Soil	Groundwater	Reagent	Reagent	pH	ORP	SC
	g	g	g	mL	SU	mV	µmhos/cm
Control	72	60			4.7	334	122
2000 mg/L Sodium Bicarbonate	72	60	0.12		5.5	402	680
5000 mg/L Sodium Bicarbonate	72	60	0.3		5.9	411	1459
10000 mg/L Sodium Bicarbonate	72	60	0.6		6.0	402	4860
1 mg/L Manganese Oxyhydroxide	72	60		0.06	4.8	397	200
5 mg/L Manganese Oxyhydroxide	72	60		0.3	4.6	407	130
10 mg/L Manganese Oxyhydroxide	72	60		0.6	4.7	410	117
10 mg/L Manganese Hydroxide	72	60		0.06	4.9	415	141
50 mg/L Manganese Hydroxide	72	60		0.3	4.6	419	131
100 mg/L Manganese Hydroxide	72	60		0.6	4.6	422	131
10 mg/L Manganese Oxide	72	60		0.06	4.6	430	103
50 mg/L Manganese Oxide	72	60		0.3	4.6	425	133
100 mg/L Manganese Oxide	72	60		0.6	4.7	431	148
10 mg/L Potassium Permanganate	72	60		0.06	4.6	433	111
50 mg/L Potassium Permanganate	72	60		0.3	4.5	434	124
100 mg/L Potassium Permanganate	72	60		0.6	4.6	434	122

Table 7. SCH-SGWC-15 Titrations

SCH-SGWC-15 GW and Soil	Soil	Groundwater	Reagent	Reagent	Sodium Bicarbonate	pH	ORP	SC
Mn reagents receive 10 g/L Sodium bicarbonate	g	g	g	mL	g	SU	mV	µmhos/cm
Control	72	60				4.9	298	414
2000 mg/L Sodium Bicarbonate	72	60			0.12	6.1	323	1422
5000 mg/L Sodium Bicarbonate	72	60			0.3	6.2	352	1934
10000 mg/L Sodium Bicarbonate	72	60			0.6	6.4	351	4960
5 mg/L Manganese Oxyhydroxide	72	60		0.3	0.6	6.9	350	3960
10 mg/L Manganese Oxyhydroxide	72	60		0.6	0.6	6.9	344	3888
1000 mg/L Manganese Oxyhydroxide	72	60	0.06		0.6	7.0	350	4430
50 mg/L Manganese Hydroxide	72	60		0.3	0.6	6.9	342	3590
100 mg/L Manganese Hydroxide	72	60		0.6	0.6	6.9	339	3830
1000 mg/L Manganese Hydroxide	72	60	0.06		0.6	7.2	343	5530
50 mg/L Manganese Oxide	72	60		0.3	0.6	6.4	333	4800
100 mg/L Manganese Oxide	72	60		0.6	0.6	6.9	335	4240
1000 mg/L Manganese Oxide	72	60	0.06		0.6	6.9	337	4460
50 mg/L Potassium Permanganate	72	60		0.3	0.6	5.9	500	4850
100 mg/L Potassium Permanganate	72	60		0.6	0.6	6.8	453	3870
1000 mg/L Potassium Permanganate	72	60	0.06		0.6	6.9	543	4650

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Table 8. SCH-SGWC-18 Titrations

SCH-SGWC-18 GW and Soil	Soil	Groundwater	Reagent	Reagent	Sodium Bicarbonate	pH	ORP	SC
Mn reagents receive 10 g/L Sodium bicarbonate	g	g	g	mL	g	SU	mV	µmhos/cm
Control	72	60				5.2	312	1120
2000 mg/L Sodium Bicarbonate	72	60			0.12	6.7	353	3480
5000 mg/L Sodium Bicarbonate	72	60			0.3	6.8	351	5520
10000 mg/L Sodium Bicarbonate	72	60			0.6	7.3	413	9530
5 mg/L Manganese Oxyhydroxide	72	60		0.3	0.6	7.3	391	8930
10 mg/L Manganese Oxyhydroxide	72	60		0.6	0.6	7.3	372	8030
1000 mg/L Manganese Oxyhydroxide	72	60	0.06		0.6	7.1	361	7910
50 mg/L Manganese Hydroxide	72	60		0.3	0.6	7.0	356	8350
100 mg/L Manganese Hydroxide	72	60		0.6	0.6	7.3	360	9350
1000 mg/L Manganese Hydroxide	72	60	0.06		0.6	7.3	355	10200
50 mg/L Manganese Oxide	72	60		0.3	0.6	7.2	352	11000
100 mg/L Manganese Oxide	72	60		0.6	0.6	7.1	353	10300
1000 mg/L Manganese Oxide	72	60	0.06		0.6	7.4	373	8300
50 mg/L Potassium Permanganate	72	60		0.3	0.6	7.2	349	8260
100 mg/L Potassium Permanganate	72	60		0.6	0.6	7.2	350	8930
1000 mg/L Potassium Permanganate	72	60	0.06		0.6	7.5	514	9180

Table 9. SCH-SGWC-20 Titrations

SCH-SGWC-20 GW and Soil	Soil	Groundwater	Reagent	Reagent	Sodium Bicarbonate	pH	ORP	SC
Mn reagents receive 10 g/L Sodium bicarbonate	g	g	g	mL	g	SU	mV	µmhos/cm
Control	72	60				4.6	325	448
2000 mg/L Sodium Bicarbonate	72	60			0.12	5.3	395	993
5000 mg/L Sodium Bicarbonate	72	60			0.3	6.3	402	1768
10000 mg/L Sodium Bicarbonate	72	60			0.6	7.0	382	7290
5 mg/L Manganese Oxyhydroxide	72	60		0.3	0.6	7.1	380	7880
10 mg/L Manganese Oxyhydroxide	72	60		0.6	0.6	7.1	385	7140
1000 mg/L Manganese Oxyhydroxide	72	60	0.06		0.6	7.1	387	7010
50 mg/L Manganese Hydroxide	72	60		0.3	0.6	7.0	405	7630
100 mg/L Manganese Hydroxide	72	60		0.6	0.6	7.2	460	8430
1000 mg/L Manganese Hydroxide	72	60	0.06		0.6	7.0	385	8340
50 mg/L Manganese Oxide	72	60		0.3	0.6	7.0	377	8290
100 mg/L Manganese Oxide	72	60		0.6	0.6	7.0	393	7900
1000 mg/L Manganese Oxide	72	60	0.06		0.6	7.1	382	6640
50 mg/L Potassium Permanganate	72	60		0.3	0.6	7.0	381	6830
100 mg/L Potassium Permanganate	72	60		0.6	0.6	7.0	371	7460
1000 mg/L Potassium Permanganate	72	60	0.06		0.6	7.3	568	7630

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2.5 Reagent Screening

The reagent dosages were determined from the baseline characterization and titrations. For each sample, a total of fourteen reactors were set up for each location. The studies were prepared in an anaerobic chamber with 92% nitrogen, 5% carbon dioxide, and 3% hydrogen atmosphere to maintain the redox state of the groundwater. The groundwater was sparged with nitrogen for at least 15 minutes to reduce dissolved oxygen.

Because of the limited solubility of the manganese oxyhydroxide, manganese oxide, and manganese hydroxide, the reagents were added as dry powders to the groundwater.

The following treatments for Plant Scherer cobalt were prepared for each SGWC-10, SGWC-11, SGWC-15, SGWC-18 and SGWC-20:

- Control
- Sodium Bicarbonate: 20,000 mg/L dosages
- Sodium Bicarbonate (20,000 mg/L) plus manganese oxyhydroxide: 50, 100, and 1,000 mg/L dosages
- Sodium Bicarbonate (20,000 mg/L) plus manganese hydroxide: 50, 100, and 1,000 mg/L dosages
- Sodium Bicarbonate (20,000 mg/L) plus manganese III oxide: 50, 100, and 1,000 mg/L dosages
- Sodium Bicarbonate (20,000 mg/L) plus potassium permanganate: 50, 100, and 1,000 mg/L dosages

The containers were filled with groundwater. All containers were mixed and turned periodically for seven days. Groundwater samples (the supernatants in the reactors) were then analyzed for:

- total arsenic, beryllium, cadmium, chromium, cobalt, iron, lithium, magnesium, manganese, molybdenum, potassium, selenium, and sodium
- dissolved arsenic, beryllium, cadmium, chromium, cobalt, lithium, manganese, molybdenum, and selenium
- dissolved organic carbon (DOC)
- sulfate

Eurofins Lancaster Laboratories Environmental conducted the metals, DOC, and sulfate analyses. The pH, ORP, dissolved oxygen (DO), bicarbonate alkalinity, total hardness, ferrous iron, and sulfide were conducted by TS using calibrated meters and Hach procedures.

2.6. SCH-SGWC-10 Testing Results

Table 10 presents the results for SCH-SGWC-10 testing. The Control treatment received 720 g soil and 573 g groundwater. The other treatments received 700 g of soil and between 573 and 646 g groundwater. Due to variability in the groundwater volumes, sodium

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bicarbonate loadings ranged from 18,576 to 20,833 mg/L and reagent concentrations between 50 and 1,042 mg/L.

The pH increased from 6.2 SU in the Control to between 7.4 to 7.6 SU in the treatments receiving 20 g/L sodium bicarbonate. Dissolved oxygen ranged from 2.7 to 6.4 mg/L and redox potential from 207 to 358 mV indicating mildly oxidizing conditions. The specific conductivity increased from 1349 µmhos/cm in the Control up to 9,590 µmhos/cm in the sodium bicarbonate amended treatments.

Due to the matrix, detection limits were elevated above the GWPS for many of the dissolved and total arsenic, total beryllium, total cadmium, dissolved and total lithium, and total selenium. Compounds highlighted in yellow were J values which were found between method detection limit and lowest method calibration range. Dissolved arsenic above the GWPS of 0.010 mg/L was only found in 100 mg/L manganese oxide (0.016 mg/L J) and total arsenic in the Control (0.051 mg/L), 20,000 mg/L sodium bicarbonate (0.029 mg/L J), 100 mg/L manganese hydroxide (0.016 mg/L J), and 100 mg/L potassium permanganate (0.053 mg/L) treatments. Dissolved beryllium was not detected in any treatment. Total beryllium was detected at low concentrations below the GWPS of 0.0040 mg/L in the Control (0.0012 mg/L J), 20,000 mg/L sodium bicarbonate (0.016 mg/L J), and 100 mg/L potassium permanganate (0.0012 mg/L J). Dissolved and total cadmium were not detected in any treatment although the detection limits exceeded the GWPS of 0.0050 mg/L in several treatments. Low levels of dissolved chromium were found in several treatments but the only treatment to exceed the GWPS of 0.10 mg/L was 1,000 mg/L potassium permanganate (0.60 mg/L). Total chromium exceeded the GWPS in the 50 mg/L manganese oxyhydroxide (0.11 mg/L), 1,000 mg/L manganese oxyhydroxide (0.18 mg/L), 50 mg/L manganese oxide (0.17 mg/L), 100 mg/L potassium permanganate (0.13 mg/L), and 1,000 potassium permanganate (0.51 mg/L) treatments. Precipitated chromium may have been carried over with the total samples and dissolved by the nitric acid preservative. Dissolved and total lithium were not detected. Total iron ranged from a low of <0.8 to a maximum of 100 mg/L. The sodium bicarbonate additions increased total magnesium from 10 mg/L in the Control to between 140 and 200 mg/L. Dissolved manganese was only elevated above the Control (0.29 mg/L)and 20,000 mg/L sodium bicarbonate (1.3 mg/L) treatments with the 1,000 mg/L potassium permanganate (130 mg/L) treatment. Total manganese was elevated above 10 mg/L only in the 1,000 mg/L manganese oxyhydroxide, 1,000 mg/L manganese oxide, and 1,000 mg/L potassium permanganate treatments. Dissolved and total molybdenum were not detected in any treatment. Total potassium ranged from 1.4 mg/L in the Control to a maximum of 41 mg/L in the 1,000 mg/L potassium permanganate treatment. The sodium bicarbonate additions increased sodium from 7.5 mg/L in the Control to between 2,600 and 3,600 mg/L. Dissolved and total selenium were not detected. The DOC increased from 1.5 mg/L in the Control to between 840 and 1,400 mg/L in the manganese and sodium bicarbonate amended treatments. Sulfate increased from 35 mg/L in the Control to a maximum of 120 mg/L.

The dissolved cobalt was 0.0216 mg/L in the initial characterization sample and 0.021 mg/L in the Control treatment. Dissolved cobalt fell below the GWPS of 0.0060 mg/L in the 100 mg/L manganese oxyhydroxide (0.0020 mg/L J), 1,000 mg/L manganese

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oxyhydroxide (<0.0015 mg/L), 1,000 manganese hydroxide (0.0040 mg/L J), and 100 mg/L potassium permanganate (<0.0015 mg/L). Total cobalt was 0.0214 mg/L in the Initial Characterization and 0.078 mg/L in the Control. No treatments reached the GWPS for total cobalt with the 1,000 mg/L potassium permanganate treatment showing <0.015 mg/L. Precipitated cobalt may have been carried over with the total cobalt analyses.

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Table 10. SCH-SGWC-10 Testing Results

		GWPS	IC	Control	20000 mg/L NaHCO3	50 mg/L MnOOH	100 mg/L MnOOH	1000 mg/L MnOOH	50 mg/L $Mn(OH)_2$	100 mg/L $Mn(OH)_2$	1000 mg/L $Mn(OH)_2$	50 mg/L Mn_2O_3	100 mg/L Mn_2O_3	1000 mg/L Mn_2O_3	50 mg/L KMnO4	100 mg/L KMnO4	1000 mg/L KMnO4
				720	700	700	700	700	700	700	700	700	700	700	700	700	700
	g			573	578	598	598	593	578	646	601	579	583	576	603	595	598
Sodium Bicarbonate	g				12	12	12	12	12	12	12	12	12	12	12	12	12
Reagent	mg					30	60	600	30	60	600	30	60	600	30	60	600
Sodium Bicarbonate	g/L				20761	20067	20067	20236	20761	18576	19967	20725	20583	20833	19900	20168	20067
Reagent	mg/L					50	100	1012	52	93	998	52	103	1042	50	101	1003
pH	SU			6.2	7.4	7.5	7.5	7.5	7.5	7.6	7.4	7.4	7.6	7.6	7.4	7.4	7.5
DO	mg/L			6.0	5.6	6.1	4.9	2.7	5.4	4.3	5.4	5.1	4.6	5.0	5.0	6.4	5.7
ORP	mV			207	255	248	242	2465	244	240	245	247	247	243	244	247	358
SC	µmhos/cm			1349	8330	8720	8270	8180	9270	8680	8250	8230	9180	9590	8040	7630	8620
Dis. As	mg/L	0.010	<0.00070	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**
Total As	mg/L	0.010	<0.00068	**0.051**	**0.029**	**<0.080**	**<0.080**	**<0.080**	**<0.016**	**0.016**	**<0.016**	**<0.080**	**<0.080**	**<0.080**	**<0.080**	**0.053**	**<0.16**
Dis. Be	mg/L	0.004	<0.000123	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.010**
Total Be	mg/L	0.004	<0.000119	0.0012	0.0016	**<0.0050**	**<0.0050**	**<0.0050**	<0.0010	<0.0010	<0.0010	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	0.0012	**<0.010**
Dis. Cd	mg/L	0.0050	<0.000156	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.010**
Total Cd	mg/L	0.0050	<0.000151	<0.0010	<0.0010	**<0.0050**	**<0.0050**	**<0.0050**	<0.0010	<0.0010	<0.0010	**<0.0050**	**<0.0050**	**<0.0050**	**<0.0050**	<0.0010	**<0.010**
Dis. Co	mg/L	0.0060	**0.0216**	**0.021**	**0.026**	**0.0078**	0.0020	<0.0015	**0.023**	**0.010**	0.0040	**0.026**	**0.023**	**0.020**	**0.012**	<0.0015	**0.032**
Total Co	mg/L	0.0060	**0.0214**	**0.078**	**0.096**	**0.12**	**0.051**	**0.16**	**0.056**	**0.053**	**0.028**	**0.20**	**0.056**	**0.10**	**0.056**	**0.067**	**<0.015**
Dis. Cr	mg/L	0.10		<0.0031	0.015	0.012	0.013	0.024	0.011	0.010	0.020	0.014	0.0097	0.0090	0.022	0.072	**0.60**
Total Cr.	mg/L	0.10		0.069	0.098	**0.11**	0.050	**0.18**	0.038	0.023	0.037	**0.17**	0.052	0.082	0.065	**0.13**	**0.51**
Dis. Li	mg/L	0.040	<0.0113	<0.011	<0.011	<0.011	**<0.23**	<0.011	**<0.23**	**<0.11**	<0.011	<0.011	**<0.11**	**<0.23**	<0.011	<0.011	**<0.11**
Total Li	mg/L	0.040	<0.0110	<0.011	<0.011	**<0.055**	**<0.055**	**<0.055**	**<0.22**	**<0.22**	**<0.22**	**<0.055**	**<0.055**	**<0.055**	**<0.055**	<0.011	**<0.11**
Total Fe	mg/L		0.159	39	51	67	24	100	12	5.7	7.6	66	26	29	28	40	<0.8
Total Mg	mg/L		8.85	10	190	170	150	180	170	140	160	200	150	140	180	170	190
Dis. Mn	mg/L		0.584	0.29	1.3	0.24	0.092	0.021	0.38	1.3	0.17	1.2	0.57	0.25	0.50	0.015	130
Total Mn	mg/L		0.587	1.2	2.4	2.7	1.6	16	1.2	1.8	3.1	5.1	1.8	20	1.2	1.2	140
Dis. Mo	mg/L	0.1	<0.000206	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.021
Total Mo	mg/L	0.1	<0.00020	<0.0020	<0.0020	<0.0010	<0.010	<0.010	<0.0020	<0.0020	<0.0020	<0.010	<0.010	<0.010	<0.010	<0.0020	<0.0020
Tot. K	mg/L		0.335	1.4	4.3	<6.3	<6.3	<6.3	<5.0	<5.0	<5.0	<6.3	<6.3	<6.3	<6.3	7.5	41
Total Na	mg/L		7.4	7.5	3000	3100	2800	2700	3500	3200	3000	3000	3400	3600	2600	2600	3200
Dis. Se	mg/L	0.050	<0.000286	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	**<0.16**
Total Se	mg/L	0.050	<0.000278	<0.016	<0.016	**<0.080**	**<0.080**	**<0.080**	<0.016	<0.016	<0.016	**<0.080**	**<0.080**	**<0.080**	**<0.080**	<0.016	**<0.16**
DOC	mg/L		0.76	1.5	1200	1200	1000	1100	1400	1100	980	1100	1300	1300	980	840	1100
Sulfate	mg/L		41.2	35	96	59	51	54	61	63	28	69	120	64	63	56	58

<0.016 Exceeds GWPS.

0.0012 J Value, compound above method detection limit but below method calibration range

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2.7 SCH-SGWC-11 Testing Results

Table 11 presents the results for SCH-SGWC-11. The treatments received 700 g of soil and between 546 and 610 g groundwater to fill the containers. Due to variability in the groundwater volumes, sodium bicarbonate loadings ranged from 19,672 to 21,978 mg/L and reagent concentrations between 50 and 1,099 mg/L.

The pH increased from 2.6 SU in the Control (anomalous) to between 6.6 to 7.0 SU in the treatments receiving 20 g/L sodium bicarbonate. Dissolved oxygen ranged from 2.3 to 5.4 mg/L and redox potential from 348 to 454 mV, indicating mildly oxidizing conditions. The specific conductivity increased from 118 µmhos/cm in the Control up to 8,630 µmhos/cm in the sodium bicarbonate amended treatments.

No treatments had detections of dissolved arsenic or total arsenic above the GWPS of 0.010 mg/L, dissolved beryllium and total beryllium above the GWPS of 0.004 mg/L, dissolved or total cadmium above the GWPS of 0.0050 mg/L, dissolved or total lithium above the GWPOS of 0.010 mg/L, dissolved or total molybdenum above the GWPS of 0.10 mg/L, or dissolved or total selenium above the GWPS of 0.050 mg/L. Due to matrix interference, detection limits for many of these constituents were above the GWSP. Low levels of dissolved chromium were found in several treatments but the only treatment to exceed the GWPS of 0.10 mg/L was 100 mg/L manganese oxide (0.30 mg/L). Total chromium exceeded the GWPS in the 20,000 mg/L sodium bicarbonate (1.5 mg/L J), 50 mg/L manganese oxyhydroxide (1.6 mg/L J), 100 mg/L manganese oxyhydroxide (0.40 mg/L J), 1,000 mg/L manganese oxyhydroxide (1.2 mg/L J), 50 mg/L manganese hydroxide (0.15 mg/L J), 100 mg/L manganese hydroxide (0.60 mg/L J), 50 mg/L manganese oxide (0.28 mg/L J), and 1,000 mg/L manganese oxide (0.20 mg/L J) treatments. Precipitated chromium may have been carried over with the total samples and dissolved by the nitric acid preservative. Total iron ranged from a low of 5.4 to a maximum of 1,800 mg/L. The sodium bicarbonate additions increased total magnesium from 7.1 mg/L in the Control to between 6.3 and 270 mg/L. Dissolved manganese was only substantially elevated above the Control (0.10 mg/L) and 20,000 mg/L sodium bicarbonate (1.6 mg/L) treatments with the 1,000 mg/L potassium permanganate (73.0 mg/L) treatment. Total manganese was elevated above 10 mg/L in the 20,000 mg/L sodium bicarbonate (18 mg/L), 50 mg/L manganese oxyhydroxide (24 mg/L), 1,000 mg/L manganese oxyhydroxide (98 mg/L), 100 mg/L manganese hydroxide (24 mg/L), 1,000 mg/L manganese hydroxide (17 mg/L), 50 mg/L manganese hydroxide (12 mg/L), 1,000 mg/L manganese oxide (39 mg/L), and 1,000 mg/L potassium permanganate (100 mg/L) treatments. Total potassium ranged from 1.3 mg/L in the Control to a maximum of 17 mg/L in the 1,000 mg/L potassium permanganate treatment. The sodium bicarbonate additions increased sodium from 8.1 mg/L in the Control to between 2,300 and 4,100 mg/L. The DOC increased from 2.0 mg/L in the Control to between 4.1 and 61 mg/L in the manganese and sodium bicarbonate amended treatments. Sulfate increased from 22 mg/L in the Control to a maximum of 39 mg/L.

The dissolved cobalt was 0.0213 mg/L in the initial characterization sample and 0.010 mg/L in the Control treatment. Dissolved cobalt or the detection limits remained above the GWPS of 0.0060 mg/L in all treatments. The following treatments had no detectable dissolved cobalt: 100 mg/L manganese oxide (<0.0077 mg/L), 50 mg/L potassium

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permanganate (<0.031 mg/L), 100 mg/L potassium permanganate (0.031 mg/L), and 1,000 mg/L potassium permanganate (<0.015 mg/L). Total cobalt was 0.0202 mg/L in the Initial Characterization and 0.032 mg/L in the Control. The only treatment to reach below the GWPS for total cobalt was 100 mg/L potassium permanganate treatment (0.0028 mg/L J). Precipitated cobalt may have been carried over with the total cobalt analyses.

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Table 11. SCH-SGWC-11 Testing Results

		GWPS	IC	Control	20000 mg/L NaHCO3	50 mg/L MnOOH	100 mg/L MnOOH	1000 mg/L MnOOH	50 mg/L $Mn(OH)_2$	100 mg/L $Mn(OH)_2$	1000 mg/L $Mn(OH)_2$	50 mg/L Mn_2O_3	100 mg/L Mn_2O_3	1000 mg/L Mn_2O_3	50 mg/L KMnO4	100 mg/L KMnO4	1000 mg/L KMnO4
				700	700	700	700	700	700	700	700	700	700	700	700	700	700
	g			581	569	552	567	558	571	600	556	568	610	546	597	608	591
Sodium Bicarbonate	g				12	12	12	12	12	12	12	12	12	12	12	12	12
Reagent	mg					30	60	600	30	60	600	30	60	600	30	60	600
Sodium Bicarbonate	g/L				21090	21739	21164	21505	21016	20000	21583	21127	19672	21978	20101	19737	20305
Reagent	mg/L					54	106	1075	53	100	1079	53	98	1099	50	99	1015
pH	SU			2.6	6.7	6.8	6.7	6.9	6.9	6.7	6.6	6.7	6.9	6.9	7.0	7.0	6.6
DO	mg/L			5.4	3.4	2.9	3.5	3.8	4.3	2.3	3.7	4.3	4.1	3.0	3.3	3.4	3.3
ORP	mV			454	370	358	358	353	348	352	357	353	351	350	352	351	428
SC	µmhos/cm			118	6420	7460	7050	8590	8630	7440	5920	7150	8460	7640	8270	8020	630
Dis. As	mg/L	0.010	<0.00070	**<0.016**	**<0.33**	**<0.33**	**<0.16**	**<0.33**	**<0.33**	**<0.33**	**<0.016**	**<0.016**	**<0.082**	**<0.16**	**<0.33**	**<0.33**	**<0.016**
Total As	mg/L	0.010	<0.00068	**<0.080**	**<3.2**	**<3.2**	**<0.80**	**<1.6**	**<0.400**	**<1.6**	**<0.160**	**<0.800**	**<0.080**	**<0.80**	**<0.080**	**<0.016**	**<0.80**
Dis. Be	mg/L	0.004	<0.000123	<0.0010	**<0.021**	**<0.021**	**<0.010**	**<0.021**	**<0.021**	**<0.021**	<0.0010	<0.0010	**<0.0052**	**<0.010**	**<0.021**	**<0.021**	**<0.010**
Total Be	mg/L	0.004	<0.000119	**<0.0050**	**<0.200**	**<0.200**	**<0.050**	**<0.100**	**<0.025**	**<0.100**	**<0.0050**	**<0.050**	**<0.0050**	**<0.050**	**<0.0050**	<0.0010	**<0.050**
Dis. Cd	mg/L	0.0050	<0.000156	<0.0010	**<0.021**	**<0.021**	**<0.010**	**<0.021**	**<0.021**	**<0.021**	<0.0010	<0.0010	**<0.0052**	**<0.010**	**<0.021**	**<0.021**	**<0.010**
Total Cd	mg/L	0.0050	<0.000151	**<0.0050**	**<0.200**	**<0.200**	**<0.050**	**<0.100**	**<0.025**	**<0.100**	**<0.010**	**<0.050**	**<0.0050**	**<0.050**	**<0.0050**	<0.0010	**<0.050**
Dis. Co	mg/L	0.0060	**0.0213**	**0.010**	**0.0806**	**0.045**	**0.043**	**0.037**	**0.077**	**0.033**	**0.013**	**0.052**	**<0.0077**	**0.037**	**<0.031**	**<0.031**	**<0.015**
Total Co	mg/L	0.0060	**0.0202**	**0.032**	**1.4**	**1.2**	**0.36**	**1.00**	**0.15**	**0.78**	**0.100**	**0.31**	**0.045**	**0.170**	**0.030**	0.0028	**0.034**
Dis. Cr	mg/L	0.10		<0.0031	<0.062	<0.062	<0.031	<0.062	<0.062	<0.062	0.014	**0.30**	0.058	<0.031	<0.062	<0.0031	0.033
Total Cr.	mg/L	0.10		0.048	**1.5**	**1.6**	**0.40**	**1.2**	**0.15**	**0.600**	0.088	**0.29**	0.023	**0.20**	0.056	0.0050	**<0.150**
Dis. Li	mg/L	0.040	<0.0113	<0.011	**<0.23**	**<0.23**	**<0.11**	**<0.23**	**<0.23**	**<0.23**	**<0.057**	**<0.23**	**<0.057**	**<0.11**	**<0.23**	**<0.23**	**<0.11**
Total Li	mg/L	0.040	<0.0110	**<0.055**	**<2.2**	**<2.2**	**<0.55**	**<1.1**	**<0.28**	**<1.1**	**<0.055**	**<0.55**	**<0.055**	**<0.55**	**<0.55**	<0.011	**<0.55**
Total Fe	mg/L		1.61	53	1100	1800	340	1400	140	990	110	430	21	280	55	5.4	60
Total Mg	mg/L		1.62	7.1	270	270	100	200	100	180	41	110	64	70	55	6.3	58
Dis. Mn	mg/L		0.695	0.10	1.60	1.30	1.10	0.79	1.80	0.99	0.32	1.90	0.066	0.62	0.47	0.31	73.0
Total Mn	mg/L		0.665	0.44	18	24	8.4	98	4.8	24	17	12	1.5	39	1.1	0.30	100
Dis. Mo	mg/L	0.1	<0.000206	<0.0021	<0.041	<0.041	<0.021	<0.041	<0.041	<0.041	<0.0021	<0.0021	<0.010	<0.021	<0.041	<0.041	<0.021
Total Mo	mg/L	0.1	<0.00020	<0.010	**<0.400**	**<0.400**	**<0.100**	**<0.200**	<0.050	**<0.200**	<0.020	**<0.100**	<0.010	**<0.100**	<0.010	<0.0020	**<0.100**
Tot. K	mg/L		0.615	1.3	<50	<50	15	<25	<6.3	<25	3.0	13	<2.5	<13	3.4	0.51	17
Total Na	mg/L		15.6	8.1	3400	3800	2200	4100	2800	3500	1500	3200	2700	2400	3100	2700	2300
Dis. Se	mg/L	0.050	<0.000286	<0.016	**<0.33**	**<0.33**	**<0.16**	**<0.33**	**<0.33**	**<0.33**	<0.016	<0.016	**<0.082**	**<0.16**	**<0.33**	**<0.33**	**<0.16**
Total Se	mg/L	0.050	<0.000278	**<0.080**	**<3.2**	**<3.2**	**<0.80**	**<1.6**	**<0.40**	**<1.6**	**<0.16**	**<0.80**	**<0.080**	**<0.800**	**<0.080**	<0.016	**<0.80**
DOC	mg/L		1.17	2.0	55.0	46.0	61.0	40.0	35.0	36.0	43.0	47.0	38.0	47.0	29.0	38.0	4.1
Sulfate	mg/L		21.9	22	37	21	18	39	34	19	21	32	23	25	35	19	20

<0.016 Exceeds GWPS.

0.0012 J Value, compound above method detection limit but below method calibration range

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2.8 SCH-SGWC-15 Testing Results

Table 12 presents the results for SCH-SGWC-15. The container with the SCH-SGWC-15 groundwater leaked and there was not enough groundwater to set up all of the treatments. The 50 mg/L manganese oxide and 50 mg/L potassium permanganate treatments were not prepared. The Control treatment received 700 g of soil and 655 g groundwater. The other treatments received 800 g of soil and between 534 and 611 g groundwater to fill the containers. Due to variability in the groundwater volumes, sodium bicarbonate loadings ranged from 19,640 to 22,472 mg/L and reagent concentrations between 54 and 1,124 mg/L.

The pH increased from 4.8 SU in the Control to between 7.0 to 7.3 SU in the treatments receiving 20 g/L sodium bicarbonate. Dissolved oxygen ranged from 3.9 to 5.9 mg/L and redox potential from 317 to 442 mV, indicating mildly oxidizing conditions. The specific conductivity increased from 442 µmhos/cm in the Control up to 10,270 µmhos/cm in the sodium bicarbonate amended treatments.

Due to the matrix, detection limits were elevated above the GWPS for many dissolved and total arsenic, total beryllium, total cadmium, dissolved and total lithium, and total selenium. The only treatment with detection of dissolved arsenic above the GWPS was 100 mg/L manganese oxyhydroxide (0.016 mg/L J) and total arsenic was 1,000 mg/L manganese oxyhydroxide (0.017 mg/L J). Dissolved beryllium was below the GWPS in all treatments. The following treatments had detectable total beryllium above the GWPS:100 mg/L manganese oxide (0.015 mg/L J), and 1,000 mg/L manganese oxide (0.022 mg/L J). No treatments had dissolved cadmium above the GWPS of 0.0050 mg/L. Total cadmium above the GWSP was detected in the 1,000 mg/L manganese oxide (0.018 mg/L J) treatment. Dissolved chromium concentrations above the GWPS of 0.10 mg/L were found in all treatments except the Control and 50 mg/L manganese hydroxide with a maximum of 0.78 mg/L. Total chromium exceeded the GWPS in all treatments but the Control with a maximum of 4.7 mg/L. Dissolved lithium was not detected in any treatment. Total lithium above the GWPS of 0.040 mg/L was found in the 100 mg/L manganese oxyhydroxide (0.012 mg/L J) and 50 mg/L manganese hydroxide (0.013 mg/L J) treatments. Total iron ranged from a low of 0.11 to a maximum of 2,000 mg/L. The sodium bicarbonate additions increased total magnesium from 13 mg/L in the Control to between 34 and 110 mg/L. Dissolved manganese was only elevated significantly above the Control (3.5 mg/L) and 20,000 mg/L sodium bicarbonate (1.2 mg/L) treatments with the 1,000 mg/L potassium permanganate (91 mg/L) treatment. Total manganese was elevated above 10 mg/L in the 50 mg/L manganese oxyhydroxide, 1,000 mg/L manganese hydroxide, 100 mg/L manganese oxide, 1,000 mg/L manganese oxide, and 1,000 mg/L potassium permanganate treatments. Only a trace of total molybdenum was found in the 100 mg/L manganese hydroxide treatment. Total potassium ranged from 4.7 mg/L in the Control to a maximum of 63 mg/L in the 1,000 mg/L potassium permanganate treatment. The sodium bicarbonate additions increased sodium from 45 mg/L in the Control to between 2,300 and 3,600 mg/L. A trace amount of total selenium was found in the 1,000 mg/L manganese oxyhydroxide treatment. The DOC increased from 6.8 mg/L in the Control to between 790 and 1,300 mg/L in the manganese and sodium bicarbonate amended treatments. Sulfate increased from 200 mg/L in the Control to a maximum of 470 mg/L.

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The dissolved cobalt was 0.250 mg/L in the initial characterization sample and the Control treatment. Dissolved cobalt was below the GWPS of 0.0060 mg/L in the following treatments: 1,000 mg/L manganese oxyhydroxide (0.0022 mg/L J), 50 mg/L manganese hydroxide (0.0051 mg/L J), 1,000 mg/L manganese hydroxide (0.0044 mg/L J), and 100 mg/L potassium permanganate (<0.0015 mg/L) with the 1,000 mg/L potassium permanganate having <0.0077 mg/L. Total cobalt was 0.255 mg/L in the Initial Characterization and 0.22 mg/L in the Control. No treatments reached the GWPS for total cobalt.

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Table 12. SCH-SGWC-15 Testing Results

		GWPS	IC	Control	20000 mg/L NaHCO3	50 mg/L MnOOH	100 mg/L MnOOH	1000 mg/L MnOOH	50 mg/L $Mn(OH)_2$	100 mg/L $Mn(OH)_2$	1000 mg/L $Mn(OH)_2$	100 mg/L Mn_2O_3	1000 mg/L Mn_2O_3	100 mg/L KMnO4	1000 mg/L KMnO4
				700	800	800	800	800	800	800	800	800	800	800	800
	g			655	553	547	564	554	552	611	557	543	534	594	543
Sodium Bicarbonate	g				12	12	12	12	12	12	12	12	12	12	12
Reagent	mg					30	60	600	30	60	600	60	600	60	600
Sodium Bicarbonate	g/L				21700	21938	21277	21661	21739	19640	21544	22099	22472	20202	22099
Reagent	mg/L					55	106	1083	54	98	1077	110	1124	101	1105
pH	SU			4.8	7.2	7.2	7.2	7.2	7.1	7.2	7.3	7.1	7.0	7.2	7.2
DO	mg/L			5.3	4.7	5.3	3.9	4.3	5.3	5.9	5.2	4.6	5.0	4.9	5.4
ORP	mV			319	331	323	323	320	320	317	319	321	327	328	442
SC	µmhos/cm			422	8860	9840	9380	8890	9800	9090	9790	10270	8370	8350	9750
Dis. As	mg/L	0.010	<0.00070	**<0.016**	**<0.016**	**<0.016**	**0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.082**
Total As	mg/L	0.010	0.000913	**<0.016**	**<0.16**	**<0.16**	**<0.16**	**0.017**	**<0.16**	**<0.080**	**<0.16**	**<0.16**	**<0.16**	**<0.16**	**<0.16**
Dis. Be	mg/L	0.004	0.000473	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.0052**
Total Be	mg/L	0.004	0.000517	<0.0010	**<0.010**	**<0.010**	**<0.010**	<0.0010	**<0.010**	0.0010	**<0.010**	**0.015**	**0.022**	**<0.010**	**<0.010**
Dis. Cd	mg/L	0.0050	0.000224	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.0052**
Total Cd	mg/L	0.0050	0.000254	<0.0010	**<0.010**	**<0.010**	**<0.010**	<0.0010	**<0.010**	**0.0021**	**<0.010**	**<0.010**	**0.018**	**<0.010**	**<0.010**
Dis. Co	mg/L	0.0060	**0.250**	**0.25**	**0.036**	**0.021**	**0.032**	0.0022	0.0051	**0.031**	0.0044	**0.023**	**0.032**	<0.0015	**<0.0077**
Total Co	mg/L	0.0060	**0.255**	**0.22**	**0.37**	**0.840**	**0.260**	**0.210**	**0.720**	**0.100**	**0.610**	**1.20**	**2.00**	**0.190**	**0.910**
Dis. Cr	mg/L	0.10		0.031	**0.32**	**0.32**	**0.37**	**0.37**	0.034	**0.17**	**0.29**	**0.44**	**0.47**	**0.63**	**0.78**
Total Cr.	mg/L	0.10		0.027	**0.26**	**1.6**	**0.22**	**0.22**	**0.14**	**0.37**	**1.2**	**3.00**	**4.70**	**0.94**	**2.00**
Dis. Li	mg/L	0.040	<0.0113	<0.011	**<0.23**	**<0.23**	**<0.23**	<0.011	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.057**
Total Li	mg/L	0.040	<0.0113	<0.011	**<0.11**	**<0.11**	**0.12**	0.014	**0.13**	<0.011	**<0.11**	**<0.11**	**<0.11**	**<0.23**	**<0.11**
Total Fe	mg/L		<0.0206	0.11	12	610	5.3	2.9	9.1	100	580	1400	2000	180	660
Total Mg	mg/L		15.4	13	47	73	42	34	50	36	58	79	110	45	77
Dis. Mn	mg/L		3.5	3.5	1.2	0.64	1.5	0.024	0.070	1.6	0.40	1.4	1.7	0.24	91
Total Mn	mg/L		3.76	3.3	5.9	17	4.7	3.5	17	4.1	82.0	34	120	4.1	120
Dis. Mo	mg/L	0.1	<0.000206	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.010
Total Mo	mg/L	0.1	<0.000206	<0.0020	<0.020	<0.020	<0.020	<0.0020	<0.020	0.0024	<0.020	<0.020	<0.020	<0.020	<0.020
Tot. K	mg/L		5.1	4.7	13	33	13	13	18	14	30	35	49	17	63
Total Na	mg/L		51.7	45	2800	3600	2900	2800	3000	3500	3100	3000	2300	2700	3300
Dis. Se	mg/L	0.050	<0.000286	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	**<0.082**
Total Se	mg/L	0.050	<0.000278	<0.016	**<0.16**	**<0.16**	**<0.16**	0.016	**<0.16**	<0.016	**<0.16**	**<0.16**	**<0.16**	**<0.16**	**<0.16**
DOC	mg/L		<0.5	6.8	1100	1200	1100	930	1300	950	1100	1300	840	790	1200
Sulfate	mg/L		202	200	400	360	380	350	420	420	420	470	470	420	380

<0.016 Exceeds GWPS.
0.0012 J Value, compound above method detection limit but below method calibration range

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2.8 SCH-SGWC-18 Testing Results

Table 13 presents the results for SCH-SGWC-18. The treatments received 700 g of soil and between 576 and 660 g groundwater to fill the containers. Due to variability in the groundwater volumes, sodium bicarbonate loadings ranged from 18,182 to 20,833 mg/L and reagent concentrations between 49 and 1,042 mg/L.

The pH increased from 5.2 SU in the Control to between 6.9 to 7.4 SU in the treatments receiving 20 g/L sodium bicarbonate. Dissolved oxygen ranged from 4.1 to 6.4 mg/L and redox potential from 303 to 431 mV, indicating mildly oxidizing conditions. The specific conductivity increased from 304 µmhos/cm in the Control up to 10,730 µmhos/cm in the sodium bicarbonate amended treatments.

Due to the matrix, detection limits were elevated above the GWPS for many of the dissolved and total arsenic, total beryllium, total cadmium, dissolved and total lithium, and total selenium treatments. No treatments had detections of dissolved arsenic or total arsenic above the GWPS of 0.010 mg/L, dissolved beryllium above the GWPS of 0.004 mg/L, dissolved cadmium above the GWPS of 0.0050 mg/L, dissolved lithium above the GWPS of 0.010 mg/L, dissolved molybdenum above the GWPS of 0.10 mg/L, or dissolved selenium above the GWPS of 0.050 mg/L. Total beryllium exceeded the GWPS in the 100 mg/L manganese oxyhydroxide (0.017 mg/L), 50 mg/L manganese oxide (0.0058 mg/L), and 100 mg/L manganese oxide (0.020 mg/L) treatments with detectable beryllium below the GWPS for the 1,000 mg/L manganese oxide (0.0038 mg/L J) treatment. Total cadmium exceeded the GWPS in the 100 mg/L manganese oxide treatment (0.014 mg/L J) with a trace in the 1,000 mg/L manganese oxide treatment. Low levels of dissolved chromium were found in several treatments but no treatment exceeded the GWPS of 0.10 mg/L. Total chromium exceeded the GWPS in the 100 mg/L manganese oxyhydroxide (0.16 mg/L J), 100 mg/L manganese hydroxide (0.038 mg/L J), 50 mg/L manganese hydroxide (0.23 mg/L J), and 1,000 mg/L potassium permanganate (0.28 mg/L J) treatments. Total iron ranged from a low of 0.13 to a maximum of 810 mg/L. The sodium bicarbonate additions increased total magnesium from 18 mg/L in the Control to between 37 and 62 mg/L. Dissolved manganese was only substantially elevated above the Control (1.8 mg/L) and 20,000 mg/L sodium bicarbonate (0.76 mg/L) treatments with the 1,000 mg/L potassium permanganate (52 mg/L) treatment. Total manganese was elevated above 10 mg/L in the 100 mg/L manganese oxyhydroxide, 100 mg/L manganese oxide, 1,000 mg/L manganese oxide, and 1,000 mg/L potassium permanganate treatments. Total potassium ranged from 3.7 mg/L in the Control to a maximum of 31 mg/L in the 1,000 mg/L potassium permanganate treatment. The sodium bicarbonate additions increased sodium from 270 mg/L in the Control to between 3,100 and 4,000 mg/L. Total selenium exceeded the GWPS of 0.050 mg/L in the 1,000 mg/L potassium permanganate (0.085 mg/L J) treatment. The DOC increased from 7.2 mg/L in the Control to between 880 and 1,400 mg/L in the manganese and sodium bicarbonate amended treatments. Sulfate increased from 820 mg/L in the Control to a maximum of 1,500 mg/L.

The dissolved cobalt was 0.0587 mg/L in the initial characterization sample and 0.11 mg/L in the Control treatment. Dissolved cobalt or the detection limits remained above the GWPS of 0.0060 mg/L only in the 20,000 mg/L sodium bicarbonate (0.032 mg/L J)

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treatment. Total cobalt was 0.0626 mg/L in the Initial Characterization sample and 0.10 mg/L in the Control. No treatment reached the GWPS for total cobalt although the 1,000 mg/L potassium permanganate treatment was close (0.010 mg/L J).

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Table 13. SCH-SGWC-18 Testing Results

		GWPS	IC	Control	20000 mg/L NaHCO3	50 mg/L MnOOH	100 mg/L MnOOH	1000 mg/L MnOOH	50 mg/L $Mn(OH)_2$	100 mg/L $Mn(OH)_2$	1000 mg/L $Mn(OH)_2$	50 mg/L Mn_2O_3	100 mg/L Mn_2O_3	1000 mg/L Mn_2O_3	50 mg/L KMnO4	100 mg/L KMnO4	1000 mg/L KMnO4
				700	700	700	700	700	700	700	700	700	700	700	700	700	700
	g			596	602	593	647	660	610	604	599	610	601	576	598	594	593
Sodium Bicarbonate	g				12	12	12	12	12	12	12	12	12	12	12	12	12
Reagent	mg					30	60	600	30	60	600	30	60	600	30	60	600
Sodium Bicarbonate	g/L				19934	20236	18547	18182	19672	19868	20033	19672	19967	20833	20067	20202	20236
Reagent	mg/L					51	93	909	49	99	1002	49	100	1042	50	101	1012
pH	SU			5.2	7.4	7.3	7.4	7.2	7.1	6.9	7.0	7.0	7.1	7.0	7.0	6.9	7.0
DO	mg/L			6.0	4.9	4.1	5.9	6.4	4.2	4.2	5.0	4.1	5.7	5.6	6.1	5.6	6.4
ORP	mV			304	316	312	307	307	310	309	311	312	311	309	305	303	431
SC	µmhos/cm			1092	10230	10730	9850	9360	10140	9290	9280	9450	9800	9250	10600	10110	10450
Dis. As	mg/L	0.010	0.000928	**<0.016**	**<0.33**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.082**
Total As	mg/L	0.010	0.000797	**<0.016**	**<0.016**	**<0.080**	**<0.016**	**<0.016**	**<0.080**	**<0.080**	**<0.080**	**<0.080**	**<0.016**	**<0.016**	**<0.080**	**<0.016**	**<0.080**
Dis. Be	mg/L	0.004	0.000184	<0.0010	**<0.021**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.0052**
Total Be	mg/L	0.004	0.000199	<0.0010	<0.0010	**<0.0050**	**0.017**	<0.0010	**<0.0050**	**<0.0050**	**<0.0050**	**0.0058**	**0.020**	0.0038	**<0.0050**	<0.0010	**<0.0050**
Dis. Cd	mg/L	0.0050	<0.000156	<0.0010	**<0.021**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.0052**
Total Cd	mg/L	0.0050	<0.000156	<0.0010	<0.0010	**<0.0050**	<0.0010	<0.0010	**<0.0050**	**<0.0050**	**<0.0050**	<0.0010	**0.014**	0.0027	**<0.0050**	<0.0010	**<0.0050**
Dis. Co	mg/L	0.0060	**0.0587**	**0.11**	**0.032**	0.0018	0.0015	<0.0015	0.0026	0.0053	<0.0015	0.0047	0.0053	0.0055	<0.0015	0.0021	<0.0077
Total Co	mg/L	0.0060	**0.0626**	**0.10**	**0.0097**	**0.076**	**0.440**	**0.015**	**0.040**	**0.028**	**0.065**	**0.110**	**0.490**	**0.0800**	**0.060**	**0.028**	**0.010**
Dis. Cr	mg/L	0.10		0.0044	<0.062	0.033	<0.0062	<0.062	0.038	<0.062	0.046	<0.062	<0.062	0.031	0.063	0.072	<0.062
Total Cr.	mg/L	0.10		0.0048	0.033	0.057	**0.16**	0.048	0.037	**0.038**	0.064	0.075	**0.23**	0.087	0.064	0.069	**0.28**
Dis. Li	mg/L	0.040	<0.0114	<0.011	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.057**
Total Li	mg/L	0.040	<0.0113	0.012	0.017	**<0.055**	<0.011	<0.011	**<0.055**	**<0.055**	**<0.055**	<0.011	**0.13**	<0.011	**<0.055**	0.012	**<0.055**
Total Fe	mg/L		<0.0206	0.13	11	120	640	22	26	30	67	180	810	140	50	4.7	9.7
Total Mg	mg/L		16.0	18	44	43	37	44	43	45	41	48	62	46	46	48	48
Dis. Mn	mg/L		0.572	1.8	0.76	0.034	0.0094	0.0087	0.050	0.11	0.061	0.076	0.11	0.090	0.020	0.017	52
Total Mn	mg/L		0.614	1.9	0.27	2.6	14	1.6	1.4	0.99	7.0	3.8	19	13	1.5	0.61	61
Dis. Mo	mg/L	0.1	<0.000206	<0.0021	<0.041	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.010
Total Mo	mg/L	0.1	<0.000206	<0.0020	0.0071	<0.010	<0.040	<0.0020	<0.010	<0.010	<0.010	<0.0020	<0.0020	0.0043	<0.010	<0.0020	<0.010
Tot. K	mg/L		2.87	3.7	10	<13	6.4	<5.0	<13	<13	13	6.4	12	6.3	<13	9.3	31
Total Na	mg/L		303	270	4000	3800	3900	3500	3500	3100	3100	3600	3700	3500	3600	3800	3700
Dis. Se	mg/L	0.050	0.000424	<0.016	**<0.33**	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	**<0.082**
Total Se	mg/L	0.050	0.000306	<0.016	<0.016	**<0.080**	<0.016	<0.016	**<0.080**	**<0.080**	**<0.080**	<0.016	<0.016	<0.016	**<0.080**	<0.016	**0.085**
DOC	mg/L		0.516	7.2	1100	1400	1000	950	1100	940	820	950	1000	880	1200	990	1200
Sulfate	mg/L		918	820	930	930	920	970	1100	1500	1100	930	1000	1100	1100	1000	980

<0.016 Exceeds GWPS.

0.0012 J Value, compound above method detection limit but below method calibration range

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2.9 SCH-SGWC-20 Testing Results

Table 14 presents the results for SCH-SGWC-20. The treatments received 720 g of soil and between 573 and 652 g groundwater to fill the containers. Due to variability in the groundwater volumes, sodium bicarbonate loadings ranged from 18,405 to 20,942 mg/L and reagent concentrations between 46 and 1,007 mg/L.

The pH increased from 5.3 SU in the Control to between 6.6 to 7.0 SU in the treatments receiving 20 g/L sodium bicarbonate. Dissolved oxygen ranged from 3.4 to 5.9 mg/L and redox potential from 285 to 426 mV, indicating mildly oxidizing conditions. The specific conductivity increased from 469 µmhos/cm in the Control up to 9.830 µmhos/cm in the sodium bicarbonate amended treatments.

Due to the matrix, detection limits were elevated above the GWPS for many of the dissolved and total arsenic, dissolved and total beryllium, dissolved and total cadmium, dissolved and total lithium, and dissolved and total selenium analyses. No treatments had detections of dissolved arsenic, dissolved beryllium, dissolved or total cadmium, dissolved lithium, dissolved molybdenum, or dissolved selenium. Total arsenic was elevated above the GWPS of 0.010 mg/L in the Control (0.041 mg/L J), 1,000 mg/L manganese hydroxide (4.5 mg/L J), and 50 mg/L potassium permanganate (0.021 mg/L J) treatments. Total beryllium exceeded the GWPS in the 100 mg/L manganese oxyhydroxide (0.015 mg/L J), 1,000 mg/L manganese hydroxide (0.082 mg/L J), and 50 mg/L manganese oxide treatments (0.0069 mg/L J) with detectable beryllium below the GWPS for the 50 mg/L potassium permanganate (0.0016 mg/L J) treatment. Low levels of dissolved chromium were found in several treatments but only the 1,000 mg/L potassium permanganate (0.50 mg/L) treatment exceeded the GWPS of 0.10 mg/L. Total chromium exceeded the GWPS in the 20,000 mg/L sodium bicarbonate (1.1 mg/L), 50 mg/L manganese oxyhydroxide (0.17 mg/L) , 100 mg/L manganese oxyhydroxide (0.62 mg/L), 1,000 mg/L manganese oxyhydroxide (0.11 mg/L), 1,000 mg/L manganese hydroxide (3.5 mg/L), 50 mg/L manganese oxide (0.16 mg/L), 1,000 mg/L manganese oxide (0.16 mg/L), and 1,000 mg/L potassium permanganate (0.49 mg/L) treatments. Traces of total lithium were detected in the 50 mg/L manganese hydroxide treatment. Total iron ranged from a low of 75 to a maximum of 5,100 mg/L. The sodium bicarbonate additions increased total magnesium from 25 mg/L in the Control to between 57 and 260 mg/L. Dissolved manganese was only elevated substantially above the Control (1.7 mg/L) and 20,000 mg/L sodium bicarbonate (1.1 mg/L) treatments with the 1,000 mg/L potassium permanganate (78 mg/L) treatment. Total manganese was elevated above 10 mg/L in the 20,000 mg/L sodium bicarbonate, 1,000 mg/L manganese hydroxide, 1,000 mg/L manganese oxide, and 1,000 mg/L potassium permanganate treatments. A trace of total molybdenum was detected in the 100 mg/L potassium permanganate treatment. Total potassium ranged from 7.4 mg/L in the Control to a maximum of 200 mg/L in the 1,000 mg/L manganese hydroxide treatment. The sodium bicarbonate additions increased sodium from 53 mg/L in the Control to between 2,700 and 4,500 mg/L. Total selenium exceeded the GWPS of 0.050 mg/L in the 1,000 mg/L potassium permanganate (0.13 mg/L J) treatment. The DOC increased from 1.8 mg/L in the Control to between 3.6 and 6.5 mg/L in the manganese and sodium bicarbonate amended treatments. Sulfate increased from 250 mg/L in the Control to a maximum of 480 mg/L.

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The dissolved cobalt was 0.121 mg/L in the initial characterization sample and 0.097 mg/L in the Control treatment. Dissolved cobalt or the detection limits were below the GWPS of 0.0060 mg/L for 100 mg/L manganese oxyhydroxide (0.0039 mg/L J), 1,000 mg/L manganese hydroxide (0.0034 mg/L J), and 50 mg/L potassium permanganate (0.0032 mg/L J) treatments with the 100 and 1,000 mg/L potassium permanganate having no detectable cobalt but the detection limits exceeded the GWPS. Total cobalt was 0.122 mg/L in the Initial Characterization sample and 0.16 mg/L in the Control. The only treatments that reached the GWPS or were non-detect for total cobalt were the 50 mg/L manganese oxyhydroxide (<0.0015 mg/L), 100 mg/L potassium permanganate (<0.0015 mg/L), and 1,000 mg/L potassium permanganate (<0.0075 mg/L) treatments.

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Table 14. SCH-SGWC-20 Testing Results

		GWPS	IC	Control	20000 mg/L NaHCO3	50 mg/L MnOOH	100 mg/L MnOOH	1000 mg/L MnOOH	50 mg/L $Mn(OH)_2$	100 mg/L $Mn(OH)_2$	1000 mg/L $Mn(OH)_2$	50 mg/L Mn_2O_3	100 mg/L Mn_2O_3	1000 mg/L Mn_2O_3	50 mg/L KMnO4	100 mg/L KMnO4	1000 mg/L KMnO4
				700	700	700	700	700	700	700	700	700	700	700	700	700	700
	g			596	602	593	647	660	610	604	599	610	601	576	598	594	593
Sodium Bicarbonate	g				12	12	12	12	12	12	12	12	12	12	12	12	12
Reagent	mg					30	60	600	30	60	600	30	60	600	30	60	600
Sodium Bicarbonate	g/L				19934	20236	18547	18182	19672	19868	20033	19672	19967	20833	20067	20202	20236
Reagent	mg/L					51	93	909	49	99	1002	49	100	1042	50	101	1012
pH	SU			5.2	7.4	7.3	7.4	7.2	7.1	6.9	7.0	7.0	7.1	7.0	7.0	6.9	7.0
DO	mg/L			6.0	4.9	4.1	5.9	6.4	4.2	4.2	5.0	4.1	5.7	5.6	6.1	5.6	6.4
ORP	mV			304	316	312	307	307	310	309	311	312	311	309	305	303	431
SC	µmhos/cm			1092	10230	10730	9850	9360	10140	9290	9280	9450	9800	9250	10600	10110	10450
Dis. As	mg/L	0.010	0.000928	**<0.016**	**<0.33**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.016**	**<0.082**
Total As	mg/L	0.010	0.000797	**<0.016**	**<0.016**	**<0.080**	**<0.016**	**<0.016**	**<0.080**	**<0.080**	**<0.080**	**<0.080**	**<0.016**	**<0.016**	**<0.080**	**<0.016**	**<0.080**
Dis. Be	mg/L	0.004	0.000184	<0.0010	**<0.021**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.0052**
Total Be	mg/L	0.004	0.000199	<0.0010	<0.0010	**<0.0050**	**0.017**	<0.0010	**<0.0050**	**<0.0050**	**<0.0050**	**0.0058**	**0.020**	0.0038	**<0.0050**	<0.0010	**<0.0050**
Dis. Cd	mg/L	0.0050	<0.000156	<0.0010	**<0.021**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**<0.0052**
Total Cd	mg/L	0.0050	<0.000156	<0.0010	<0.0010	**<0.0050**	<0.0010	<0.0010	**<0.0050**	**<0.0050**	**<0.0050**	<0.0010	**0.014**	0.0027	**<0.0050**	<0.0010	**<0.0050**
Dis. Co	mg/L	0.0060	**0.0587**	**0.11**	**0.032**	0.0018	0.0015	<0.0015	0.0026	0.0053	<0.0015	0.0047	0.0053	0.0055	<0.0015	0.0021	<0.0077
Total Co	mg/L	0.0060	**0.0626**	**0.10**	**0.0097**	**0.076**	**0.440**	**0.015**	**0.040**	**0.028**	**0.065**	**0.110**	**0.490**	**0.0800**	**0.060**	**0.028**	**0.010**
Dis. Cr	mg/L	0.10		0.0044	<0.062	0.033	<0.0062	<0.062	0.038	<0.062	0.046	<0.062	<0.062	0.031	0.063	0.072	<0.062
Total Cr.	mg/L	0.10		0.0048	0.033	0.057	**0.16**	0.048	0.037	**0.038**	0.064	0.075	**0.23**	0.087	0.064	0.069	**0.28**
Dis. Li	mg/L	0.040	<0.0114	<0.011	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.23**	**<0.057**
Total Li	mg/L	0.040	<0.0113	0.012	0.017	**<0.055**	<0.011	<0.011	**<0.055**	**<0.055**	**<0.055**	<0.011	**0.13**	<0.011	**<0.055**	0.012	**<0.055**
Total Fe	mg/L		<0.0206	0.13	11	120	640	22	26	30	67	180	810	140	50	4.7	9.7
Total Mg	mg/L		16.0	18	44	43	37	44	43	45	41	48	62	46	46	48	48
Dis. Mn	mg/L		0.572	1.8	0.76	0.034	0.0094	0.0087	0.050	0.11	0.061	0.076	0.11	0.090	0.020	0.017	52
Total Mn	mg/L		0.614	1.9	0.27	2.6	14	1.6	1.4	0.99	7.0	3.8	19	13	1.5	0.61	61
Dis. Mo	mg/L	0.1	<0.000206	<0.0021	<0.041	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.010
Total Mo	mg/L	0.1	<0.000206	<0.0020	0.0071	<0.010	<0.040	<0.0020	<0.010	<0.010	<0.010	<0.0020	<0.0020	0.0043	<0.010	<0.0020	<0.010
Tot. K	mg/L		2.87	3.7	10	<13	6.4	<5.0	<13	<13	13	6.4	12	6.3	<13	9.3	31
Total Na	mg/L		303	270	4000	3800	3900	3500	3500	3100	3100	3600	3700	3500	3600	3800	3700
Dis. Se	mg/L	0.050	0.000424	<0.016	**<0.33**	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	**<0.082**
Total Se	mg/L	0.050	0.000306	<0.016	<0.016	**<0.080**	<0.016	<0.016	**<0.080**	**<0.080**	**<0.080**	<0.016	<0.016	<0.016	**<0.080**	<0.016	**0.085**
DOC	mg/L		0.57	7.2	1100	1400	1000	950	1100	940	820	950	1000	880	1200	990	1200
Sulfate	mg/L		294	820	930	930	920	970	1100	1500	1100	930	1000	1100	1100	1000	980

<0.016 Exceeds GWPS.

0.0012 J Value, compound above method detection limit but below method calibration range

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3.0 COMPARISON OF COBALT TREATMENT EFFICIENCIES

Table 15 shows a comparison of the treatments for cobalt across the five groundwaters and associated soils. The percent removal from the initial characterization samples and from the Control Day 7 treatments are provided.

Sodium bicarbonate alone was not able to reach the cobalt GWPS in any of the five groundwaters and associated soils.

Manganese oxyhydroxide with sodium bicarbonate reduced dissolved cobalt to below the GWPS or to non-detect levels in the SCH-SGWC-10 moderate and high loadings, SCH-SGWC-15 high loading, all loadings of SCH-SGWC-18, and the moderate loading for SCH-SGWC-20. No treatment with manganese oxyhydroxide met the GWPS for dissolved cobalt in SCH-SGWC-11. Total cobalt remained above the GWPS with all of the treatments with manganese oxyhydroxide.

Manganese hydroxide with sodium bicarbonate reduced dissolved cobalt to below the GWPS or to non-detect levels in the SCH-SGWC-10 high loading, SCH-SGWC-15 low and high loadings, all loadings for SCH-SGWC-18, and the low and high loadings for SCH-SGWC-20. No treatment with manganese hydroxide met the GWPS for dissolved cobalt in SCH-SGWC-11. Total cobalt remained above the GWPS with all of the treatments with manganese hydroxide except the low loading in SCH-SGWC-20.

Manganese oxide with sodium bicarbonate reduced dissolved cobalt to below the GWPS only in all loadings for SCH-SGWC-18. No dissolved cobalt was detected in the SCH-SGWC-11 moderate loading, but the detection limit was above the GWPS. No treatment with manganese oxide met the GWPS for dissolved cobalt in SCH-SGWC-10, SCH-SGWC-15, and SCH-SGWC-20. Total cobalt remained above the GWPS with all of the treatments with manganese hydroxide.

Potassium permanganate with sodium bicarbonate reduced dissolved cobalt to below the GWPS or to non-detect levels in the moderate loadings for SCH-SGWC-10, all three loadings for SCH-SGWC-11, moderate and high loadings of SCH-SGWC-15, all loadings for SCH-SGWC-18, and all three loadings for SCH-SGWC-20. The following treatments with potassium permanganate met the GWPS or reached non-detect levels for total cobalt in high loading of SCH-SGWC-10, moderate loading for SCH-SGWC-11, and the moderate and high loadings for SCH-SGWC-20. Total cobalt remained above the GWPS with all of the treatments with potassium permanganate for SCH-SGWC-18.

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Table 15. Comparison of Manganese Reagents Across the Five Groundwaters and Associated Soils

	SCH-SGWC-10 GW and Soil		SCH-SGWC-11 GW and Soil		SCH-SGWC-15 GW and Soil		SCH-SGWC-18 GW and Soil		SCH-SGWC-20 GW and Soil	
	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
GWPS	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
IC	**0.0216**	**0.0214**	**0.0213**	**0.0202**	**0.250**	**0.255**	**0.0587**	**0.0626**	**0.121**	**0.122**
Control	**0.021**	**0.078**	**0.010**	**0.032**	**0.25**	**0.22**	**0.11**	**0.10**	**0.097**	**0.16**
20000 mg/L Sodium Bicarbonate	**0.026**	**0.096**	**0.0806**	**1.4**	**0.036**	**0.37**	**0.032**	**0.0097**	**0.013**	**0.81**
50 mg/L Manganese Oxyhydroxide	**0.0078**	**0.12**	**0.045**	**1.2**	**0.021**	**0.840**	0.0018	**0.076**	**0.0093**	**0.12**
100 mg/L Manganese Oxyhydroxide	0.0020	**0.051**	**0.043**	**0.36**	**0.032**	**0.260**	0.0015	**0.440**	0.0039	**0.41**
1000 mg/L Manganese Oxyhydroxide	<0.0015	**0.16**	**0.037**	**1.00**	0.0022	**0.210**	<0.0015	**0.015**	**0.011**	**0.11**
50 mg/L Manganese Hydroxide	**0.023**	**0.056**	**0.077**	**0.15**	0.0051	**0.720**	0.0026	**0.040**	**<0.0077**	<0.0015
100 mg/L Manganese Hydroxide	**0.010**	**0.053**	**0.033**	**0.78**	**0.031**	**0.100**	0.0053	**0.028**	**0.0120**	**0.0080**
1000 mg/L Manganese Hydroxide	0.0040	**0.028**	**0.013**	**0.100**	0.0044	**0.610**	<0.0015	**0.065**	0.0034	**3.10**
50 mg/L Manganese Oxide	**0.026**	**0.20**	**0.052**	**0.31**			0.0047	**0.110**	**0.017**	**0.14**
100 mg/L Manganese Oxide	**0.023**	**0.056**	**<0.0077**	**0.045**	**0.023**	**1.20**	0.0053	**0.490**	**0.020**	**0.076**
1000 mg/L Manganese Oxide	**0.020**	**0.10**	**0.037**	**0.170**	**0.032**	**2.00**	0.0055	**0.0800**	**0.015**	**0.11**
50 mg/L Potassium Permanganate	**0.012**	**0.056**	**<0.031**	**0.030**			<0.0015	**0.060**	0.0032	**0.019**
100 mg/L Potassium Permanganate	<0.0015	**0.067**	**<0.031**	0.0028	<0.0015	**0.190**	0.0021	**0.028**	**<0.0077**	<0.0015
1000 mg/L Potassium Permanganate	**0.032**	**<0.015**	**<0.015**	**0.034**	**<0.0077**	**0.910**	**<0.0077**	**0.010**	**<0.015**	**<0.0075**
	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co
	% Rem IC	% Rem IC	% Rem IC	% Rem IC	% Rem IC	% Rem IC	% Rem IC	% Rem IC	% Rem IC	% Rem IC
Control	2.8	-264.5	53.1	-58.4	0.0	13.7	-87.4	-59.7	19.8	-31.1
20000 mg/L Sodium Bicarbonate	-20.4	-348.6	-278.4	-6830.7	85.6	-45.1	45.5	84.5	89.3	-563.9
50 mg/L Manganese Oxyhydroxide	63.9	-460.7	-111.3	-5840.6	91.6	-229.4	96.9	-21.4	92.3	1.6
100 mg/L Manganese Oxyhydroxide	90.7	-138.3	-101.9	-1682.2	87.2	-2.0	97.4	-602.9	96.8	-236.1
1000 mg/L Manganese Oxyhydroxide	>93.1	-647.7	-73.7	-4850.5	99.1	17.6	>97.4	76.0	90.9	9.8
50 mg/L Manganese Hydroxide	-6.5	-161.7	-261.5	-642.6	98.0	-182.4	95.6	36.1	>93.6	>98.8
100 mg/L Manganese Hydroxide	53.7	-147.7	-54.9	-3761.4	87.6	60.8	91.0	55.3	90.1	93.4
1000 mg/L Manganese Hydroxide	81.5	-30.8	39.0	-395.0	98.2	-139.2	>97.4	-3.8	97.2	-2441.0
50 mg/L Manganese Oxide	-20.4	-834.6	-144.1	-1434.7			92.0	-75.7	86.0	-14.8
100 mg/L Manganese Oxide	>93.8	-161.7	>93.8	-122.8	90.8	-370.6	91.0	-682.7	83.5	37.7
1000 mg/L Manganese Oxide	7.4	-367.3	-73.7	-741.6	87.2	-684.3	90.6	-27.8	87.6	9.8
50 mg/L Potassium Permanganate	44.4	-161.7	>-45.5	-48.5			>97.4	4.2	97.4	84.4
100 mg/L Potassium Permanganate	>93.1	-213.1	>-45.5	86.1	>99.4	25.5	96.4	55.3	>93.6	>98.8
1000 mg/L Potassium Permanganate	-48.1	>29.9	>29.6	-68.3	>96.9	-256.9	>86.9	84.0	>87.6	>93.9
	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co	Dis. Co	Total Co
	% Rem Con 7	% Rem Con 7	% Rem Con 7	% Rem Con 7	% Rem Con 7	% Rem Con 7	% Rem Con 7	% Rem Con 7	% Rem Con 7	% Rem Con 7
20000 mg/L Sodium Bicarbonate	-23.8	-23.1	-706.0	-4275.0	85.6	-68.2	70.9	90.3	86.6	-406.3
50 mg/L Manganese Oxyhydroxide	62.9	-53.8	-350.0	-3650.0	91.6	-281.8	98.4	24.0	90.4	25.0
100 mg/L Manganese Oxyhydroxide	90.5	34.6	-330.0	-1025.0	87.2	-18.2	98.6	-340.0	96.0	-156.3
1000 mg/L Manganese Oxyhydroxide	>92.9	-105.1	-270.0	-3025.0	99.1	4.5	>98.6	85.0	88.7	31.3
50 mg/L Manganese Hydroxide	-9.5	28.2	-670.0	-368.8	98.0	-227.3	97.6	60.0	>92.1	>99.1
100 mg/L Manganese Hydroxide	52.4	32.1	-230.0	-2337.5	87.6	54.5	95.2	72.0	87.6	95.0
1000 mg/L Manganese Hydroxide	81.0	64.1	-30.0	-212.5	98.2	-177.3	>98.6	35.0	96.5	-1837.5
50 mg/L Manganese Oxide	-23.8	-156.4	-420.0	-868.8			95.7	-10.0	82.5	12.5
100 mg/L Manganese Oxide	-9.5	28.2	>23.0	-40.6	90.8	-445.5	95.2	-390.0	79.4	52.5
1000 mg/L Manganese Oxide	4.8	-28.2	-270.0	-431.3	87.2	-809.1	95.0	20.0	84.5	31.3
50 mg/L Potassium Permanganate	42.9	28.2	>-210.0	6.3			>98.6	40.0	96.7	88.1
100 mg/L Potassium Permanganate	>92.9	14.1	>-210.0	91.3	>99.4	13.6	98.1	72.0	>92.1	>99.1
1000 mg/L Potassium Permanganate	-52.4	>80.8	>-50.0	-6.3	>96.9	-313.6	>93.0	90.0	>84.5	>95.3
90.7	Treatment reduced Co below GWPS									
>80.8	Treatment reduced Co to below detection limits, but were above GWPS									

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4.0 CONCLUSIONS

- Based upon price and efficacy, potassium permanganate is the recommended reagent for a field test or additional laboratory testing.
- The low dose of 50 mg/L loadings of potassium permanganate reached the GWPS or non-detect for dissolved cobalt in three of the four groundwaters and associated soils tested but not for total cobalt. The 100 mg/L loading of potassium permanganate reached the GWPS or non-detect levels for dissolved cobalt in all of the five groundwaters and associated soils (not SCH-SGWC-10 high loading) and two of the five groundwaters and soils for total cobalt. The 1,000 mg/L loading for potassium permanganate reached the GWPS or non-detect levels for dissolved cobalt in four of the five groundwaters and associated soils (not SCH-SGWC-10 high loading) and two of the five groundwaters and soils for total cobalt.
- The 1,000 mg/L loading of potassium permanganate resulted in dissolved chromium above the GWPS of 0.10 mg/L in SCH-SGWC-10 and SCH-SGWC-20. The SCH-SGWC-15 treatments had elevated dissolved chromium in almost all treatments except the Control.
- Elevated dissolved (2.5 mg/L) and total selenium (1.6 mg/L) were found in the 10 g/L potassium permanganate solution. The only potassium permanganate treatments that showed detections of elevated total selenium was 0.085 mg/L J with 1,000 mg/L potassium permanganate in SCH-SGWC-18 and 0.13 mg/L J in the 1,000 mg/L potassium SCH-SGWC-20. Perhaps a higher purity potassium permanganate could be purchased.

Please let me know if you have any questions about this final report.

Sincerely,
TERRA SYSTEMS

Michael D Lee, PhD.

Michael D. Lee, Ph.D.
Vice-President Research and Development

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ANALYTICAL REPORTS

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Michael D Lee
Terra Systems Inc
130 Hickman Road
Suite 1
Claymont, Delaware 19703

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JOB DESCRIPTION

WSP Plant Scherer CCR TS

JOB NUMBER

410-211333-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

Job Notes

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Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Stephen Gordon, Senior Project Manager
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(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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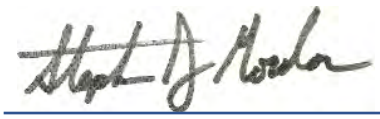


Table of Contents

Cover Page 1
Table of Contents 4
Definitions/Glossary 5
Case Narrative 6
Detection Summary 7
Client Sample Results 11
QC Sample Results 18
QC Association Summary 26
Lab Chronicle 31
Certification Summary 36
Method Summary 38
Sample Summary 39
Chain of Custody 40
Receipt Checklists 41

Definitions/Glossary

Client: Terra Systems Inc
Job ID: 410-211333-1
Project/Site: WSP Plant Scherer CCR TS

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-211333-1 — Eurofins Lancaster Laboratories Environment

Job Narrative
410-211333-1

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 3/7/2025 3:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

Receipt Exceptions
HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The following sample was diluted due to the nature of the sample matrix: SGWC-20 (15-25') (410-211333-10). Elevated reporting limits (RLs) are provided.

Method 6010D: The following samples were diluted due to the nature of the sample matrix: SCH-SB-SGWC-10 (20-30') (410-211333-2), SCH-SB-SGWC-15 (35-45') (410-211333-6) and SGWC-18 (34-44') (410-211333-8). Elevated reporting limits (RLs) are provided.

Method 6010D: The following sample was diluted due to the nature of the sample matrix: SCH-SB-SGWC-11 (30-40') (410-211333-4). 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.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-211333-1

Client Sample ID: SCH-SGWC-10 — Lab Sample ID: 410-211333-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	41.2		7.50	2.50	mg/L	5		EPA 300.0 R2.1	Total/NA
Cobalt	21.4		0.500	0.156	ug/L	1		6020B	Total Recoverable
Iron	159		50.0	20.0	ug/L	1		6020B	Total Recoverable
Magnesium	8850		50.0	16.0	ug/L	1		6020B	Total Recoverable
Manganese	587		2.00	0.950	ug/L	1		6020B	Total Recoverable
Potassium	335		200	65.0	ug/L	1		6020B	Total Recoverable
Sodium	7400		200	90.0	ug/L	1		6020B	Total Recoverable
Cobalt	21.6		0.515	0.161	ug/L	1		6020B	Dissolved
Manganese	584		2.06	0.979	ug/L	1		6020B	Dissolved
Dissolved Organic Carbon	0.760	J	1.00	0.500	mg/L	1		415.1	Dissolved

Client Sample ID: SCH-SB-SGWC-10 (20-30') — Lab Sample ID: 410-211333-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.709	cn	0.594	0.199	mg/Kg	2	☼	6020B	Total/NA
Beryllium	1.24	cn	0.149	0.0354	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.103	J cn	0.149	0.0594	mg/Kg	2	☼	6020B	Total/NA
Cobalt	66.2	cn	0.297	0.119	mg/Kg	2	☼	6020B	Total/NA
Iron	60700	^2 cn	149	68.5	mg/Kg	10	☼	6020B	Total/NA
Magnesium	10700	cn	14.9	7.28	mg/Kg	2	☼	6020B	Total/NA
Manganese	1270	^2 cn	0.594	0.297	mg/Kg	2	☼	6020B	Total/NA
Potassium	4640	cn	59.4	23.8	mg/Kg	2	☼	6020B	Total/NA
Sodium	79.9	cn	74.3	35.7	mg/Kg	2	☼	6020B	Total/NA

Client Sample ID: SCH-SGWC-11 — Lab Sample ID: 410-211333-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	21.9		1.50	0.500	mg/L	1		EPA 300.0 R2.1	Total/NA
Cobalt	20.2		0.500	0.156	ug/L	1		6020B	Total Recoverable
Iron	1610		50.0	20.0	ug/L	1		6020B	Total Recoverable
Magnesium	1620		50.0	16.0	ug/L	1		6020B	Total Recoverable
Manganese	665		2.00	0.950	ug/L	1		6020B	Total Recoverable
Potassium	615		200	65.0	ug/L	1		6020B	Total Recoverable
Sodium	15600		200	90.0	ug/L	1		6020B	Total Recoverable
Cobalt	21.3		0.515	0.161	ug/L	1		6020B	Dissolved
Manganese	695		2.06	0.979	ug/L	1		6020B	Dissolved
Dissolved Organic Carbon	1.17		1.00	0.500	mg/L	1		415.1	Dissolved

Client Sample ID: SCH-SB-SGWC-11 (30-40') — Lab Sample ID: 410-211333-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.36	cn	0.558	0.187	mg/Kg	2	☼	6020B	Total/NA
Beryllium	0.879	cn	0.139	0.0332	mg/Kg	2	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SCH-SB-SGWC-11 (30-40') (Continued) — Lab Sample ID: 410-211333-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.463	cn	0.139	0.0558	mg/Kg	2	☼	6020B	Total/NA
Cobalt	69.8	cn	0.279	0.112	mg/Kg	2	☼	6020B	Total/NA
Iron	51300	^2 cn	139	64.2	mg/Kg	10	☼	6020B	Total/NA
Magnesium	7170	cn	13.9	6.83	mg/Kg	2	☼	6020B	Total/NA
Manganese	2180	^2 cn	2.79	1.39	mg/Kg	10	☼	6020B	Total/NA
Molybdenum	0.128	J cn	0.279	0.128	mg/Kg	2	☼	6020B	Total/NA
Potassium	2160	cn	55.8	22.3	mg/Kg	2	☼	6020B	Total/NA
Selenium	0.388	J cn	0.558	0.139	mg/Kg	2	☼	6020B	Total/NA
Sodium	95.5	cn	69.7	33.5	mg/Kg	2	☼	6020B	Total/NA

Client Sample ID: SCH-SGWC-15 — Lab Sample ID: 410-211333-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	202		75.0	25.0	mg/L	50		EPA 300.0 R2.1	Total/NA
Arsenic	0.913	J	2.06	0.700	ug/L	1		6020B	Total Recoverable
Beryllium	0.517		0.515	0.123	ug/L	1		6020B	Total Recoverable
Cadmium	0.254	J	0.515	0.156	ug/L	1		6020B	Total Recoverable
Cobalt	255		0.515	0.161	ug/L	1		6020B	Total Recoverable
Magnesium	15400		51.5	16.5	ug/L	1		6020B	Total Recoverable
Manganese	3760		2.06	0.979	ug/L	1		6020B	Total Recoverable
Potassium	5100		206	67.0	ug/L	1		6020B	Total Recoverable
Sodium	51700		206	92.7	ug/L	1		6020B	Total Recoverable
Beryllium	0.473	J	0.515	0.123	ug/L	1		6020B	Dissolved
Cadmium	0.224	J	0.515	0.156	ug/L	1		6020B	Dissolved
Cobalt	250		0.515	0.161	ug/L	1		6020B	Dissolved
Manganese	3500		2.06	0.979	ug/L	1		6020B	Dissolved

Client Sample ID: SCH-SB-SGWC-15 (35-45') — Lab Sample ID: 410-211333-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.650	cn	0.541	0.181	mg/Kg	2	☼	6020B	Total/NA
Beryllium	0.664	cn	0.135	0.0322	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.0915	J cn	0.135	0.0541	mg/Kg	2	☼	6020B	Total/NA
Cobalt	104	cn	0.271	0.108	mg/Kg	2	☼	6020B	Total/NA
Iron	59700	cn	135	62.4	mg/Kg	10	☼	6020B	Total/NA
Magnesium	1900	cn	13.5	6.63	mg/Kg	2	☼	6020B	Total/NA
Manganese	1980	cn	2.71	1.35	mg/Kg	10	☼	6020B	Total/NA
Potassium	803	cn	54.1	21.7	mg/Kg	2	☼	6020B	Total/NA
Selenium	0.158	J cn	0.541	0.135	mg/Kg	2	☼	6020B	Total/NA
Sodium	97.3	cn	67.7	32.5	mg/Kg	2	☼	6020B	Total/NA

Client Sample ID: SCH-SGWC-18 — Lab Sample ID: 410-211333-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	918		150	50.0	mg/L	100		EPA 300.0 R2.1	Total/NA
Arsenic	0.797	J	2.06	0.700	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: SCH-SGWC-18 (Continued) — Lab Sample ID: 410-211333-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.199	J	0.515	0.123	ug/L	1		6020B	Total Recoverable
Cobalt	62.6		0.515	0.161	ug/L	1		6020B	Total Recoverable
Magnesium	16000		51.5	16.5	ug/L	1		6020B	Total Recoverable
Manganese	614		2.06	0.979	ug/L	1		6020B	Total Recoverable
Potassium	2870		206	67.0	ug/L	1		6020B	Total Recoverable
Selenium	0.306	J	1.03	0.286	ug/L	1		6020B	Total Recoverable
Sodium	303000		2060	927	ug/L	10		6020B	Total Recoverable
Arsenic	0.928	J	2.06	0.700	ug/L	1		6020B	Dissolved
Beryllium	0.184	J	0.515	0.123	ug/L	1		6020B	Dissolved
Cobalt	58.7		0.515	0.161	ug/L	1		6020B	Dissolved
Manganese	572		2.06	0.979	ug/L	1		6020B	Dissolved
Selenium	0.424	J	1.03	0.286	ug/L	1		6020B	Dissolved
Dissolved Organic Carbon	0.516	J	1.00	0.500	mg/L	1		415.1	Dissolved

Client Sample ID: SGWC-18 (34-44') — Lab Sample ID: 410-211333-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.568	cn	0.455	0.152	mg/Kg	2	☼	6020B	Total/NA
Beryllium	1.69	cn	0.114	0.0270	mg/Kg	2	☼	6020B	Total/NA
Cadmium	0.215	cn	0.114	0.0455	mg/Kg	2	☼	6020B	Total/NA
Cobalt	54.1	cn	0.227	0.0909	mg/Kg	2	☼	6020B	Total/NA
Iron	64700	^2 cn	114	52.4	mg/Kg	10	☼	6020B	Total/NA
Magnesium	1490	cn	11.4	5.57	mg/Kg	2	☼	6020B	Total/NA
Manganese	1760	^2 cn	2.27	1.14	mg/Kg	10	☼	6020B	Total/NA
Molybdenum	0.263	cn	0.227	0.105	mg/Kg	2	☼	6020B	Total/NA
Potassium	481	cn	45.5	18.2	mg/Kg	2	☼	6020B	Total/NA
Sodium	382	cn	56.8	27.3	mg/Kg	2	☼	6020B	Total/NA

Client Sample ID: SCH-SGWC-20 — Lab Sample ID: 410-211333-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	294		75.0	25.0	mg/L	50		EPA 300.0 R2.1	Total/NA
Beryllium	0.916		0.515	0.123	ug/L	1		6020B	Total Recoverable
Cobalt	122		0.515	0.161	ug/L	1		6020B	Total Recoverable
Magnesium	19900		51.5	16.5	ug/L	1		6020B	Total Recoverable
Manganese	1670		2.06	0.979	ug/L	1		6020B	Total Recoverable
Potassium	3690		206	67.0	ug/L	1		6020B	Total Recoverable
Sodium	62200		206	92.7	ug/L	1		6020B	Total Recoverable
Beryllium	0.920		0.515	0.123	ug/L	1		6020B	Dissolved
Cobalt	121		0.515	0.161	ug/L	1		6020B	Dissolved
Manganese	1590		2.06	0.979	ug/L	1		6020B	Dissolved
Dissolved Organic Carbon	0.570	J	1.00	0.500	mg/L	1		415.1	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-211333-1

Client Sample ID: SGWC-20 (15-25')

Lab Sample ID: 410-211333-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.421	J cn	0.467	0.156	mg/Kg	2	☼	6020B	Total/NA
Beryllium	0.786	cn	0.117	0.0278	mg/Kg	2	☼	6020B	Total/NA
Cobalt	16.5	cn	0.234	0.0935	mg/Kg	2	☼	6020B	Total/NA
Iron	57800	^2 cn	117	53.9	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2880	B cn	11.7	5.73	mg/Kg	2	☼	6020B	Total/NA
Manganese	537	cn	0.467	0.234	mg/Kg	2	☼	6020B	Total/NA
Molybdenum	0.118	J cn	0.234	0.108	mg/Kg	2	☼	6020B	Total/NA
Potassium	2000	cn	46.7	18.7	mg/Kg	2	☼	6020B	Total/NA
Selenium	0.321	J cn	0.467	0.117	mg/Kg	2	☼	6020B	Total/NA
Sodium	138	cn	58.4	28.0	mg/Kg	2	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SCH-SGWC-10

Lab Sample ID: 410-211333-1

Date Collected: 03/06/25 08:00

Matrix: Water

Date Received: 03/07/25 15:16

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**41.2**		7.50	2.50	mg/L			03/18/25 12:33	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.0		50.0	11.0	ug/L		03/18/25 07:00	03/18/25 20:31	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0113		0.0515	0.0113	mg/L		03/15/25 03:00	03/17/25 18:20	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.680		2.00	0.680	ug/L		03/18/25 07:00	03/19/25 17:18	1
Beryllium	<0.119		0.500	0.119	ug/L		03/18/25 07:00	03/19/25 17:18	1
Cadmium	<0.151		0.500	0.151	ug/L		03/18/25 07:00	03/19/25 17:18	1
Cobalt	**21.4**		0.500	0.156	ug/L		03/18/25 07:00	03/19/25 17:18	1
Iron	**159**		50.0	20.0	ug/L		03/18/25 07:00	03/19/25 17:18	1
Magnesium	**8850**		50.0	16.0	ug/L		03/18/25 07:00	03/19/25 17:18	1
Manganese	**587**		2.00	0.950	ug/L		03/18/25 07:00	03/19/25 17:18	1
Molybdenum	<0.200		0.500	0.200	ug/L		03/18/25 07:00	03/19/25 17:18	1
Potassium	**335**		200	65.0	ug/L		03/18/25 07:00	03/19/25 17:18	1
Selenium	<0.278		1.00	0.278	ug/L		03/18/25 07:00	03/19/25 17:18	1
Sodium	**7400**		200	90.0	ug/L		03/18/25 07:00	03/19/25 17:18	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/15/25 03:00	03/17/25 16:30	1
Beryllium	<0.123		0.515	0.123	ug/L		03/15/25 03:00	03/18/25 12:21	1
Cadmium	<0.156		0.515	0.156	ug/L		03/15/25 03:00	03/17/25 16:30	1
Cobalt	**21.6**		0.515	0.161	ug/L		03/15/25 03:00	03/17/25 16:30	1
Manganese	**584**		2.06	0.979	ug/L		03/15/25 03:00	03/17/25 16:30	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/15/25 03:00	03/17/25 16:30	1
Selenium	<0.286	^+	1.03	0.286	ug/L		03/15/25 03:00	03/17/25 16:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (EPA 415.1)	**0.760**	**J**	1.00	0.500	mg/L			03/18/25 23:58	1

Client Sample ID: SCH-SB-SGWC-10 (20-30')

Lab Sample ID: 410-211333-2

Date Collected: 03/06/25 08:15

Matrix: Solid

Date Received: 03/07/25 15:16

Percent Solids: 65.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<14.9	cn	37.1	14.9	mg/Kg	☼	03/16/25 22:00	03/18/25 01:28	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.709**	**cn**	0.594	0.199	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2
Beryllium	**1.24**	**cn**	0.149	0.0354	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2
Cadmium	**0.103**	**J cn**	0.149	0.0594	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2

Client Sample ID: SCH-SB-SGWC-10 (20-30')

Lab Sample ID: 410-211333-2
Date Collected: 03/06/25 08:15
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 65.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**66.2**	**cn**	0.297	0.119	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2
Iron	**60700**	**^2 cn**	149	68.5	mg/Kg	☼	03/16/25 22:00	03/17/25 10:55	10
Magnesium	**10700**	**cn**	14.9	7.28	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2
Manganese	**1270**	**^2 cn**	0.594	0.297	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2
Molybdenum	<0.137	cn	0.297	0.137	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2
Potassium	**4640**	**cn**	59.4	23.8	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2
Selenium	<0.149	cn	0.594	0.149	mg/Kg	☼	03/16/25 22:00	03/17/25 15:41	2
Sodium	**79.9**	**cn**	74.3	35.7	mg/Kg	☼	03/16/25 22:00	03/17/25 10:53	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**34.6**		1.0	1.0	%			03/10/25 10:33	1

Client Sample ID: SCH-SGWC-11

Lab Sample ID: 410-211333-3
Date Collected: 03/06/25 08:30
Matrix: Water
Date Received: 03/07/25 15:16

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**21.9**		1.50	0.500	mg/L			03/14/25 11:57	1

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.0		50.0	11.0	ug/L		03/18/25 07:00	03/18/25 20:37	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0113		0.0515	0.0113	mg/L		03/15/25 01:45	03/17/25 12:04	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.680		2.00	0.680	ug/L		03/18/25 07:00	03/19/25 17:31	1
Beryllium	<0.119		0.500	0.119	ug/L		03/18/25 07:00	03/19/25 17:31	1
Cadmium	<0.151		0.500	0.151	ug/L		03/18/25 07:00	03/19/25 17:31	1
Cobalt	**20.2**		0.500	0.156	ug/L		03/18/25 07:00	03/19/25 17:31	1
Iron	**1610**		50.0	20.0	ug/L		03/18/25 07:00	03/19/25 17:31	1
Magnesium	**1620**		50.0	16.0	ug/L		03/18/25 07:00	03/19/25 17:31	1
Manganese	**665**		2.00	0.950	ug/L		03/18/25 07:00	03/19/25 17:31	1
Molybdenum	<0.200		0.500	0.200	ug/L		03/18/25 07:00	03/19/25 17:31	1
Potassium	**615**		200	65.0	ug/L		03/18/25 07:00	03/19/25 17:31	1
Selenium	<0.278		1.00	0.278	ug/L		03/18/25 07:00	03/19/25 17:31	1
Sodium	**15600**		200	90.0	ug/L		03/18/25 07:00	03/19/25 17:31	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/15/25 01:45	03/18/25 19:36	1
Beryllium	<0.123		0.515	0.123	ug/L		03/15/25 01:45	03/18/25 19:36	1
Cadmium	<0.156		0.515	0.156	ug/L		03/15/25 01:45	03/18/25 19:36	1
Cobalt	**21.3**		0.515	0.161	ug/L		03/15/25 01:45	03/18/25 19:36	1
Manganese	**695**		2.06	0.979	ug/L		03/15/25 01:45	03/18/25 19:36	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/15/25 01:45	03/18/25 19:36	1

Client Sample ID: SCH-SGWC-11
Lab Sample ID: 410-211333-3
Date Collected: 03/06/25 08:30
Matrix: Water
Date Received: 03/07/25 15:16

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.286		1.03	0.286	ug/L		03/15/25 01:45	03/18/25 19:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (EPA 415.1)	1.17		1.00	0.500	mg/L			03/19/25 00:23	1

Client Sample ID: SCH-SB-SGWC-11 (30-40')
Lab Sample ID: 410-211333-4
Date Collected: 03/06/25 08:45
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 66.4

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<55.8	cn	139	55.8	mg/Kg	☼	03/16/25 22:00	03/18/25 08:31	20

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.36	cn	0.558	0.187	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2
Beryllium	0.879	cn	0.139	0.0332	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2
Cadmium	0.463	cn	0.139	0.0558	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2
Cobalt	69.8	cn	0.279	0.112	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2
Iron	51300	^2 cn	139	64.2	mg/Kg	☼	03/16/25 22:00	03/17/25 10:47	10
Magnesium	7170	cn	13.9	6.83	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2
Manganese	2180	^2 cn	2.79	1.39	mg/Kg	☼	03/16/25 22:00	03/17/25 10:47	10
Molybdenum	0.128	J cn	0.279	0.128	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2
Potassium	2160	cn	55.8	22.3	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2
Selenium	0.388	J cn	0.558	0.139	mg/Kg	☼	03/16/25 22:00	03/17/25 15:37	2
Sodium	95.5	cn	69.7	33.5	mg/Kg	☼	03/16/25 22:00	03/17/25 10:45	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	33.6		1.0	1.0	%			03/10/25 10:33	1

Client Sample ID: SCH-SGWC-15
Lab Sample ID: 410-211333-5
Date Collected: 03/06/25 09:00
Matrix: Water
Date Received: 03/07/25 15:16

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	202		75.0	25.0	mg/L			03/17/25 16:41	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.3		51.5	11.3	ug/L		03/18/25 07:00	03/19/25 22:07	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0113		0.0515	0.0113	mg/L		03/15/25 03:00	03/17/25 18:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.913	J	2.06	0.700	ug/L		03/18/25 07:00	03/20/25 15:05	1

Client Sample ID: SCH-SGWC-15

Lab Sample ID: 410-211333-5

Date Collected: 03/06/25 09:00

Matrix: Water

Date Received: 03/07/25 15:16

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.517**		0.515	0.123	ug/L		03/18/25 07:00	03/20/25 15:05	1
Cadmium	**0.254**	**J**	0.515	0.156	ug/L		03/18/25 07:00	03/20/25 15:05	1
Cobalt	**255**		0.515	0.161	ug/L		03/18/25 07:00	03/20/25 15:05	1
Iron	<20.6		51.5	20.6	ug/L		03/18/25 07:00	03/20/25 15:05	1
Magnesium	**15400**		51.5	16.5	ug/L		03/18/25 07:00	03/20/25 15:05	1
Manganese	**3760**		2.06	0.979	ug/L		03/18/25 07:00	03/20/25 15:05	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/18/25 07:00	03/20/25 18:02	1
Potassium	**5100**		206	67.0	ug/L		03/18/25 07:00	03/20/25 15:05	1
Selenium	<0.286		1.03	0.286	ug/L		03/18/25 07:00	03/20/25 15:05	1
Sodium	**51700**		206	92.7	ug/L		03/18/25 07:00	03/20/25 15:05	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/15/25 03:00	03/17/25 16:19	1
Beryllium	**0.473**	**J**	0.515	0.123	ug/L		03/15/25 03:00	03/18/25 12:07	1
Cadmium	**0.224**	**J**	0.515	0.156	ug/L		03/15/25 03:00	03/17/25 16:19	1
Cobalt	**250**		0.515	0.161	ug/L		03/15/25 03:00	03/17/25 16:19	1
Manganese	**3500**		2.06	0.979	ug/L		03/15/25 03:00	03/17/25 16:19	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/15/25 03:00	03/17/25 16:19	1
Selenium	<0.286		1.03	0.286	ug/L		03/15/25 03:00	03/18/25 12:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (EPA 415.1)	<0.500		1.00	0.500	mg/L			03/19/25 00:49	1

Client Sample ID: SCH-SB-SGWC-15 (35-45')

Lab Sample ID: 410-211333-6

Date Collected: 03/06/25 09:15

Matrix: Solid

Date Received: 03/07/25 15:16

Percent Solids: 67.8

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<13.5	cn	33.8	13.5	mg/Kg	☼	03/16/25 22:00	03/18/25 00:59	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.650**	**cn**	0.541	0.181	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2
Beryllium	**0.664**	**cn**	0.135	0.0322	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2
Cadmium	**0.0915**	**J cn**	0.135	0.0541	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2
Cobalt	**104**	**cn**	0.271	0.108	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2
Iron	**59700**	**cn**	135	62.4	mg/Kg	☼	03/16/25 22:00	03/17/25 10:35	10
Magnesium	**1900**	**cn**	13.5	6.63	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2
Manganese	**1980**	**cn**	2.71	1.35	mg/Kg	☼	03/16/25 22:00	03/17/25 10:35	10
Molybdenum	<0.124	cn	0.271	0.124	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2
Potassium	**803**	**cn**	54.1	21.7	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2
Selenium	**0.158**	**J cn**	0.541	0.135	mg/Kg	☼	03/16/25 22:00	03/17/25 15:35	2
Sodium	**97.3**	**cn**	67.7	32.5	mg/Kg	☼	03/16/25 22:00	03/17/25 10:32	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**32.2**		1.0	1.0	%			03/10/25 10:33	1

Client Sample ID: SCH-SGWC-18

Lab Sample ID: 410-211333-7

Date Collected: 03/06/25 09:30

Matrix: Water

Date Received: 03/07/25 15:16

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**918**		150	50.0	mg/L			03/19/25 13:53	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.3		51.5	11.3	ug/L		03/18/25 07:00	03/19/25 22:01	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0113		0.0515	0.0113	mg/L		03/15/25 03:00	03/17/25 18:17	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.797**	**J**	2.06	0.700	ug/L		03/18/25 07:00	03/20/25 15:01	1
Beryllium	**0.199**	**J**	0.515	0.123	ug/L		03/18/25 07:00	03/20/25 15:01	1
Cadmium	<0.156		0.515	0.156	ug/L		03/18/25 07:00	03/20/25 15:01	1
Cobalt	**62.6**		0.515	0.161	ug/L		03/18/25 07:00	03/20/25 15:01	1
Iron	<20.6		51.5	20.6	ug/L		03/18/25 07:00	03/20/25 15:01	1
Magnesium	**16000**		51.5	16.5	ug/L		03/18/25 07:00	03/20/25 15:01	1
Manganese	**614**		2.06	0.979	ug/L		03/18/25 07:00	03/20/25 15:01	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/18/25 07:00	03/20/25 17:58	1
Potassium	**2870**		206	67.0	ug/L		03/18/25 07:00	03/20/25 15:01	1
Selenium	**0.306**	**J**	1.03	0.286	ug/L		03/18/25 07:00	03/20/25 15:01	1
Sodium	**303000**		2060	927	ug/L		03/18/25 07:00	03/20/25 15:08	10

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.928**	**J**	2.06	0.700	ug/L		03/15/25 03:00	03/17/25 16:21	1
Beryllium	**0.184**	**J**	0.515	0.123	ug/L		03/15/25 03:00	03/18/25 12:10	1
Cadmium	<0.156		0.515	0.156	ug/L		03/15/25 03:00	03/17/25 16:21	1
Cobalt	**58.7**		0.515	0.161	ug/L		03/15/25 03:00	03/17/25 16:21	1
Manganese	**572**		2.06	0.979	ug/L		03/15/25 03:00	03/17/25 16:21	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/15/25 03:00	03/17/25 16:21	1
Selenium	**0.424**	**J**	1.03	0.286	ug/L		03/15/25 03:00	03/18/25 12:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (EPA 415.1)	**0.516**	**J**	1.00	0.500	mg/L			03/19/25 01:16	1

Client Sample ID: SGWC-18 (34-44')

Lab Sample ID: 410-211333-8

Date Collected: 03/06/25 09:45

Matrix: Solid

Date Received: 03/07/25 15:16

Percent Solids: 66.7

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.4	cn	28.4	11.4	mg/Kg	☼	03/16/25 22:00	03/18/25 01:12	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.568**	**cn**	0.455	0.152	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2
Beryllium	**1.69**	**cn**	0.114	0.0270	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2
Cadmium	**0.215**	**cn**	0.114	0.0455	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2

Client Sample ID: SGWC-18 (34-44')

Lab Sample ID: 410-211333-8
Date Collected: 03/06/25 09:45
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 66.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**54.1**	**cn**	0.227	0.0909	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2
Iron	**64700**	**^2 cn**	114	52.4	mg/Kg	☼	03/16/25 22:00	03/17/25 10:51	10
Magnesium	**1490**	**cn**	11.4	5.57	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2
Manganese	**1760**	**^2 cn**	2.27	1.14	mg/Kg	☼	03/16/25 22:00	03/17/25 10:51	10
Molybdenum	**0.263**	**cn**	0.227	0.105	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2
Potassium	**481**	**cn**	45.5	18.2	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2
Selenium	<0.114	cn	0.455	0.114	mg/Kg	☼	03/16/25 22:00	03/17/25 15:39	2
Sodium	**382**	**cn**	56.8	27.3	mg/Kg	☼	03/16/25 22:00	03/17/25 10:49	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**33.3**		1.0	1.0	%			03/10/25 10:33	1

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 410-211333-9
Date Collected: 03/06/25 10:00
Matrix: Water
Date Received: 03/07/25 15:16

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**294**		75.0	25.0	mg/L			03/17/25 16:51	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.3		51.5	11.3	ug/L		03/18/25 07:00	03/19/25 22:04	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0113		0.0515	0.0113	mg/L		03/15/25 01:45	03/17/25 12:01	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/18/25 07:00	03/20/25 15:03	1
Beryllium	**0.916**		0.515	0.123	ug/L		03/18/25 07:00	03/20/25 15:03	1
Cadmium	<0.156		0.515	0.156	ug/L		03/18/25 07:00	03/20/25 15:03	1
Cobalt	**122**		0.515	0.161	ug/L		03/18/25 07:00	03/20/25 15:03	1
Iron	<20.6		51.5	20.6	ug/L		03/18/25 07:00	03/20/25 15:03	1
Magnesium	**19900**		51.5	16.5	ug/L		03/18/25 07:00	03/20/25 15:03	1
Manganese	**1670**		2.06	0.979	ug/L		03/18/25 07:00	03/20/25 15:03	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/18/25 07:00	03/20/25 18:00	1
Potassium	**3690**		206	67.0	ug/L		03/18/25 07:00	03/20/25 15:03	1
Selenium	<0.286		1.03	0.286	ug/L		03/18/25 07:00	03/20/25 15:03	1
Sodium	**62200**		206	92.7	ug/L		03/18/25 07:00	03/20/25 15:03	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/15/25 01:45	03/18/25 19:34	1
Beryllium	**0.920**		0.515	0.123	ug/L		03/15/25 01:45	03/18/25 19:34	1
Cadmium	<0.156		0.515	0.156	ug/L		03/15/25 01:45	03/18/25 19:34	1
Cobalt	**121**		0.515	0.161	ug/L		03/15/25 01:45	03/18/25 19:34	1
Manganese	**1590**		2.06	0.979	ug/L		03/15/25 01:45	03/18/25 19:34	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/15/25 01:45	03/18/25 19:34	1

Client Sample ID: SCH-SGWC-20

Lab Sample ID: 410-211333-9

Date Collected: 03/06/25 10:00

Matrix: Water

Date Received: 03/07/25 15:16

Method: SW846 6020B - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.286		1.03	0.286	ug/L		03/15/25 01:45	03/18/25 19:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (EPA 415.1)	0.570	J	1.00	0.500	mg/L			03/19/25 01:43	1

Client Sample ID: SGWC-20 (15-25')

Lab Sample ID: 410-211333-10

Date Collected: 03/06/25 10:15

Matrix: Solid

Date Received: 03/07/25 15:16

Percent Solids: 69.0

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.7	cn	29.2	11.7	mg/Kg	☼	03/13/25 02:35	03/13/25 22:33	5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.421	J cn	0.467	0.156	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Beryllium	0.786	cn	0.117	0.0278	mg/Kg	☼	03/13/25 02:35	03/19/25 15:11	2
Cadmium	<0.0467	cn	0.117	0.0467	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Cobalt	16.5	cn	0.234	0.0935	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Iron	57800	^2 cn	117	53.9	mg/Kg	☼	03/13/25 02:35	03/13/25 19:26	10
Magnesium	2880	B cn	11.7	5.73	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Manganese	537	cn	0.467	0.234	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Molybdenum	0.118	J cn	0.234	0.108	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Potassium	2000	cn	46.7	18.7	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Selenium	0.321	J cn	0.467	0.117	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2
Sodium	138	cn	58.4	28.0	mg/Kg	☼	03/13/25 02:35	03/13/25 19:24	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	31.0		1.0	1.0	%			03/10/25 10:33	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-617227/5
Matrix: Water
Analysis Batch: 617227

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.500		1.50	0.500	mg/L			03/14/25 08:26	1

Lab Sample ID: LCS 410-617227/3
Matrix: Water
Analysis Batch: 617227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.327		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-617227/4
Matrix: Water
Analysis Batch: 617227

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
Sulfate	7.50	7.321		mg/L		98	90 - 110	0	20

Lab Sample ID: MB 410-618264/5
Matrix: Water
Analysis Batch: 618264

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.500		1.50	0.500	mg/L			03/17/25 09:57	1

Lab Sample ID: LCS 410-618264/3
Matrix: Water
Analysis Batch: 618264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.316		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-618264/4
Matrix: Water
Analysis Batch: 618264

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
Sulfate	7.50	7.323		mg/L		98	90 - 110	0	20

Lab Sample ID: MB 410-618812/5
Matrix: Water
Analysis Batch: 618812

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.500		1.50	0.500	mg/L			03/18/25 08:31	1

Lab Sample ID: LCS 410-618812/3
Matrix: Water
Analysis Batch: 618812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.257		mg/L		97	90 - 110

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: LCSD 410-618812/4
Matrix: Water
Analysis Batch: 618812

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
Sulfate			7.50	7.170		mg/L		96	90 - 110	1	20

Lab Sample ID: MB 410-619018/5
Matrix: Water
Analysis Batch: 619018

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.500		1.50	0.500	mg/L			03/19/25 08:27	1

Lab Sample ID: LCS 410-619018/3
Matrix: Water
Analysis Batch: 619018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			7.50	7.462		mg/L		99	90 - 110		

Lab Sample ID: LCSD 410-619018/4
Matrix: Water
Analysis Batch: 619018

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
Sulfate			7.50	7.467		mg/L		100	90 - 110	0	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-616022/1-A
Matrix: Solid
Analysis Batch: 616903

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<2.00		5.00	2.00	mg/Kg		03/13/25 02:35	03/13/25 19:18	1

Lab Sample ID: LCS 410-616022/2-A
Matrix: Solid
Analysis Batch: 616903

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616022

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lithium			50.0	51.64		mg/Kg		103	89 - 110		

Lab Sample ID: MB 410-616778/1-A
Matrix: Water
Analysis Batch: 617966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0113		0.0515	0.0113	mg/L		03/15/25 01:45	03/17/25 11:13	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-616778/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 618120
Prep Batch: 616778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.5191		mg/L		104	88 - 113

Lab Sample ID: MB 410-616851/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 618107
Prep Batch: 616851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.0113		0.0515	0.0113	mg/L		03/15/25 03:00	03/17/25 17:34	1

Lab Sample ID: LCS 410-616851/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 618107
Prep Batch: 616851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.4957		mg/L		99	88 - 113

Lab Sample ID: MB 410-617595/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 618175
Prep Batch: 617595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<2.00		5.00	2.00	mg/Kg		03/16/25 22:00	03/18/25 00:19	1

Lab Sample ID: LCS 410-617595/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 618175
Prep Batch: 617595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	50.0	51.56		mg/Kg		103	89 - 110

Lab Sample ID: MB 410-616800/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 618663
Prep Batch: 616800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.0		50.0	11.0	ug/L		03/18/25 07:00	03/18/25 19:42	1

Lab Sample ID: LCS 410-616800/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 618663
Prep Batch: 616800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	500	503.5		ug/L		101	88 - 113

Lab Sample ID: MB 410-616808/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 619271
Prep Batch: 616808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<11.3		51.5	11.3	ug/L		03/18/25 07:00	03/19/25 19:44	1

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 410-616808/2-A
Matrix: Water
Analysis Batch: 619271

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 616808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	500	483.8		ug/L		97	88 - 113

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-616022/1-A ^2
Matrix: Solid
Analysis Batch: 616864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616022

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.134		0.400	0.134	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Cadmium	<0.0400		0.100	0.0400	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Cobalt	<0.0800		0.200	0.0800	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Iron	<9.22		20.0	9.22	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Magnesium	4.940	J	10.0	4.90	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Manganese	<0.200		0.400	0.200	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Molybdenum	<0.0920		0.200	0.0920	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Potassium	<16.0		40.0	16.0	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Selenium	<0.100		0.400	0.100	mg/Kg		03/13/25 02:35	03/13/25 18:35	2
Sodium	<24.0		50.0	24.0	mg/Kg		03/13/25 02:35	03/13/25 18:35	2

Lab Sample ID: LCS 410-616022/2-A ^2
Matrix: Solid
Analysis Batch: 616864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616022

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	48.32		mg/Kg		97	87 - 114
Cadmium	5.00	5.016		mg/Kg		100	88 - 117
Cobalt	50.0	47.89		mg/Kg		96	85 - 115
Iron	500	492.1		mg/Kg		98	87 - 117
Magnesium	500	483.5		mg/Kg		97	83 - 119
Manganese	50.0	48.80		mg/Kg		98	87 - 116
Molybdenum	5.00	5.029		mg/Kg		101	86 - 119
Potassium	500	483.5		mg/Kg		97	83 - 118
Selenium	10.0	9.909		mg/Kg		99	87 - 115
Sodium	500	491.4		mg/Kg		98	81 - 120

Lab Sample ID: MB 410-616778/1-A
Matrix: Water
Analysis Batch: 618688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/15/25 01:45	03/18/25 19:21	1
Beryllium	<0.123		0.515	0.123	ug/L		03/15/25 01:45	03/18/25 19:21	1
Cadmium	<0.156		0.515	0.156	ug/L		03/15/25 01:45	03/18/25 19:21	1
Cobalt	<0.161		0.515	0.161	ug/L		03/15/25 01:45	03/18/25 19:21	1
Manganese	<0.979		2.06	0.979	ug/L		03/15/25 01:45	03/18/25 19:21	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/15/25 01:45	03/18/25 19:21	1
Selenium	<0.286		1.03	0.286	ug/L		03/15/25 01:45	03/18/25 19:21	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-616778/2-A
Matrix: Water
Analysis Batch: 618688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	503.5		ug/L		101	90 - 109
Beryllium	50.0	54.07		ug/L		108	82 - 120
Cadmium	50.0	49.41		ug/L		99	90 - 112
Cobalt	500	499.4		ug/L		100	90 - 110
Manganese	500	503.1		ug/L		101	90 - 111
Molybdenum	50.0	49.21		ug/L		98	90 - 115
Selenium	100	99.77		ug/L		100	90 - 110

Lab Sample ID: MB 410-616851/1-A
Matrix: Water
Analysis Batch: 618148

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/15/25 03:00	03/17/25 15:44	1
Cadmium	<0.156		0.515	0.156	ug/L		03/15/25 03:00	03/17/25 15:44	1
Cobalt	<0.161		0.515	0.161	ug/L		03/15/25 03:00	03/17/25 15:44	1
Manganese	<0.979		2.06	0.979	ug/L		03/15/25 03:00	03/17/25 15:44	1
Molybdenum	<0.206		0.515	0.206	ug/L		03/15/25 03:00	03/17/25 15:44	1
Selenium	<0.286	^+	1.03	0.286	ug/L		03/15/25 03:00	03/17/25 15:44	1

Lab Sample ID: MB 410-616851/1-A
Matrix: Water
Analysis Batch: 618485

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.123		0.515	0.123	ug/L		03/15/25 03:00	03/18/25 11:54	1

Lab Sample ID: LCS 410-616851/2-A
Matrix: Water
Analysis Batch: 618148

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	512.2		ug/L		102	90 - 109
Cadmium	50.0	50.16		ug/L		100	90 - 112
Cobalt	500	492.2		ug/L		98	90 - 110
Manganese	500	491.3		ug/L		98	90 - 111
Molybdenum	50.0	49.53		ug/L		99	90 - 115

Lab Sample ID: LCS 410-616851/2-A
Matrix: Water
Analysis Batch: 618485

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	50.09		ug/L		100	82 - 120
Selenium	100	93.62		ug/L		94	90 - 110

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-617595/1-A ^2
Matrix: Solid
Analysis Batch: 617969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.134		0.400	0.134	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Beryllium	<0.0238		0.100	0.0238	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Cadmium	<0.0400		0.100	0.0400	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Cobalt	<0.0800		0.200	0.0800	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Iron	<9.22		20.0	9.22	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Magnesium	<4.90		10.0	4.90	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Manganese	<0.200		0.400	0.200	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Molybdenum	<0.0920		0.200	0.0920	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Potassium	<16.0		40.0	16.0	mg/Kg		03/16/25 22:00	03/17/25 09:33	2
Sodium	<24.0		50.0	24.0	mg/Kg		03/16/25 22:00	03/17/25 09:33	2

Lab Sample ID: MB 410-617595/1-A ^2
Matrix: Solid
Analysis Batch: 618153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617595

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.100		0.400	0.100	mg/Kg		03/16/25 22:00	03/17/25 15:09	2

Lab Sample ID: LCS 410-617595/2-A ^2
Matrix: Solid
Analysis Batch: 617969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	51.13		mg/Kg		102	87 - 114
Beryllium	5.00	4.618		mg/Kg		92	80 - 120
Cadmium	5.00	5.038		mg/Kg		101	88 - 117
Cobalt	50.0	50.22		mg/Kg		100	85 - 115
Iron	500	504.3		mg/Kg		101	87 - 117
Magnesium	500	495.7		mg/Kg		99	83 - 119
Manganese	50.0	50.48		mg/Kg		101	87 - 116
Molybdenum	5.00	5.052		mg/Kg		101	86 - 119
Potassium	500	500.8		mg/Kg		100	83 - 118
Sodium	500	497.5		mg/Kg		100	81 - 120

Lab Sample ID: LCS 410-617595/2-A ^2
Matrix: Solid
Analysis Batch: 618153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	10.0	9.480		mg/Kg		95	87 - 115

Lab Sample ID: MB 410-616800/1-A
Matrix: Water
Analysis Batch: 619270

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 616800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.680		2.00	0.680	ug/L		03/18/25 07:00	03/19/25 16:31	1
Beryllium	<0.119		0.500	0.119	ug/L		03/18/25 07:00	03/19/25 16:31	1
Cadmium	<0.151		0.500	0.151	ug/L		03/18/25 07:00	03/19/25 16:31	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-616800/1-A
Matrix: Water
Analysis Batch: 619270

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 616800

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.156		0.500	0.156	ug/L		03/18/25 07:00	03/19/25 16:31	1
Iron	<20.0		50.0	20.0	ug/L		03/18/25 07:00	03/19/25 16:31	1
Magnesium	<16.0		50.0	16.0	ug/L		03/18/25 07:00	03/19/25 16:31	1
Manganese	<0.950		2.00	0.950	ug/L		03/18/25 07:00	03/19/25 16:31	1
Molybdenum	<0.200		0.500	0.200	ug/L		03/18/25 07:00	03/19/25 16:31	1
Potassium	<65.0		200	65.0	ug/L		03/18/25 07:00	03/19/25 16:31	1
Selenium	<0.278		1.00	0.278	ug/L		03/18/25 07:00	03/19/25 16:31	1
Sodium	<90.0		200	90.0	ug/L		03/18/25 07:00	03/19/25 16:31	1

Lab Sample ID: LCS 410-616800/2-A
Matrix: Water
Analysis Batch: 619270

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 616800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	483.3		ug/L		97	90 - 109
Beryllium	50.0	51.41		ug/L		103	82 - 120
Cadmium	50.0	49.20		ug/L		98	90 - 112
Cobalt	500	475.4		ug/L		95	90 - 110
Iron	5000	4786		ug/L		96	90 - 111
Magnesium	5000	4826		ug/L		97	90 - 110
Manganese	500	480.0		ug/L		96	90 - 111
Molybdenum	50.0	49.09		ug/L		98	90 - 115
Potassium	5000	4877		ug/L		98	90 - 110
Selenium	100	96.76		ug/L		97	90 - 110
Sodium	5000	4863		ug/L		97	89 - 114

Lab Sample ID: MB 410-616808/1-A
Matrix: Water
Analysis Batch: 619637

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 616808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700		2.06	0.700	ug/L		03/18/25 07:00	03/20/25 14:30	1
Beryllium	<0.123		0.515	0.123	ug/L		03/18/25 07:00	03/20/25 14:30	1
Cadmium	<0.156		0.515	0.156	ug/L		03/18/25 07:00	03/20/25 14:30	1
Cobalt	<0.161		0.515	0.161	ug/L		03/18/25 07:00	03/20/25 14:30	1
Iron	<20.6		51.5	20.6	ug/L		03/18/25 07:00	03/20/25 14:30	1
Magnesium	<16.5		51.5	16.5	ug/L		03/18/25 07:00	03/20/25 14:30	1
Manganese	<0.979		2.06	0.979	ug/L		03/18/25 07:00	03/20/25 14:30	1
Potassium	<67.0		206	67.0	ug/L		03/18/25 07:00	03/20/25 14:30	1
Selenium	<0.286		1.03	0.286	ug/L		03/18/25 07:00	03/20/25 14:30	1
Sodium	<92.7		206	92.7	ug/L		03/18/25 07:00	03/20/25 14:30	1

Lab Sample ID: MB 410-616808/1-A
Matrix: Water
Analysis Batch: 619804

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 616808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.206		0.515	0.206	ug/L		03/18/25 07:00	03/20/25 17:53	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-616808/2-A
Matrix: Water
Analysis Batch: 619637

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 616808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	490.2		ug/L		98	90 - 109
Beryllium	50.0	53.14		ug/L		106	82 - 120
Cadmium	50.0	49.73		ug/L		99	90 - 112
Cobalt	500	495.7		ug/L		99	90 - 110
Iron	5000	5178		ug/L		104	90 - 111
Magnesium	5000	5068		ug/L		101	90 - 110
Manganese	500	519.3		ug/L		104	90 - 111
Potassium	5000	5059		ug/L		101	90 - 110
Selenium	100	103.3		ug/L		103	90 - 110
Sodium	5000	5061		ug/L		101	89 - 114

Lab Sample ID: LCS 410-616808/2-A
Matrix: Water
Analysis Batch: 619804

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 616808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molybdenum	50.0	49.68		ug/L		99	90 - 115

Method: 415.1 - DOC

Lab Sample ID: MB 410-619174/7
Matrix: Water
Analysis Batch: 619174

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.500		1.00	0.500	mg/L			03/18/25 22:13	1

Lab Sample ID: LCS 410-619174/6
Matrix: Water
Analysis Batch: 619174

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	50.0	51.37		mg/L		103	90 - 110

Lab Sample ID: MRL 410-619174/3
Matrix: Water
Analysis Batch: 619174

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.00	0.6187	J	mg/L		62	50 - 150

HPLC/IC

Analysis Batch: 617227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-3	SCH-SGWC-11	Total/NA	Water	EPA 300.0 R2.1	
MB 410-617227/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-617227/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-617227/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 618264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-5	SCH-SGWC-15	Total/NA	Water	EPA 300.0 R2.1	
410-211333-9	SCH-SGWC-20	Total/NA	Water	EPA 300.0 R2.1	
MB 410-618264/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-618264/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-618264/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 618812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Total/NA	Water	EPA 300.0 R2.1	
MB 410-618812/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-618812/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-618812/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 619018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-7	SCH-SGWC-18	Total/NA	Water	EPA 300.0 R2.1	
MB 410-619018/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-619018/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-619018/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 616022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-10	SGWC-20 (15-25')	Total/NA	Solid	3050B	
MB 410-616022/1-A	Method Blank	Total/NA	Solid	3050B	
MB 410-616022/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-616022/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 410-616022/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 616778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-3	SCH-SGWC-11	Dissolved	Water	Non-Digest Prep	
410-211333-9	SCH-SGWC-20	Dissolved	Water	Non-Digest Prep	
MB 410-616778/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-616778/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 616800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Total Recoverable	Water	3005A	
410-211333-3	SCH-SGWC-11	Total Recoverable	Water	3005A	
MB 410-616800/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-616800/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 616808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-5	SCH-SGWC-15	Total Recoverable	Water	3005A	
410-211333-7	SCH-SGWC-18	Total Recoverable	Water	3005A	
410-211333-9	SCH-SGWC-20	Total Recoverable	Water	3005A	
MB 410-616808/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-616808/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 616851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Dissolved	Water	Non-Digest Prep	
410-211333-5	SCH-SGWC-15	Dissolved	Water	Non-Digest Prep	
410-211333-7	SCH-SGWC-18	Dissolved	Water	Non-Digest Prep	
MB 410-616851/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-616851/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 616864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-10	SGWC-20 (15-25')	Total/NA	Solid	6020B	616022
410-211333-10	SGWC-20 (15-25')	Total/NA	Solid	6020B	616022
MB 410-616022/1-A ^2	Method Blank	Total/NA	Solid	6020B	616022
LCS 410-616022/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	616022

Analysis Batch: 616903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-10	SGWC-20 (15-25')	Total/NA	Solid	6010D	616022
MB 410-616022/1-A	Method Blank	Total/NA	Solid	6010D	616022
LCS 410-616022/2-A	Lab Control Sample	Total/NA	Solid	6010D	616022

Prep Batch: 617595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-2	SCH-SB-SGWC-10 (20-30')	Total/NA	Solid	3050B	
410-211333-4	SCH-SB-SGWC-11 (30-40')	Total/NA	Solid	3050B	
410-211333-6	SCH-SB-SGWC-15 (35-45')	Total/NA	Solid	3050B	
410-211333-8	SGWC-18 (34-44')	Total/NA	Solid	3050B	
MB 410-617595/1-A	Method Blank	Total/NA	Solid	3050B	
MB 410-617595/1-A ^2	Method Blank	Total/NA	Solid	3050B	
LCS 410-617595/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS 410-617595/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 617966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-3	SCH-SGWC-11	Dissolved	Water	6010D	616778
410-211333-9	SCH-SGWC-20	Dissolved	Water	6010D	616778
MB 410-616778/1-A	Method Blank	Total/NA	Water	6010D	616778

Analysis Batch: 617969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-2	SCH-SB-SGWC-10 (20-30')	Total/NA	Solid	6020B	617595
410-211333-2	SCH-SB-SGWC-10 (20-30')	Total/NA	Solid	6020B	617595
410-211333-4	SCH-SB-SGWC-11 (30-40')	Total/NA	Solid	6020B	617595
410-211333-4	SCH-SB-SGWC-11 (30-40')	Total/NA	Solid	6020B	617595
410-211333-6	SCH-SB-SGWC-15 (35-45')	Total/NA	Solid	6020B	617595

Metals (Continued)

Analysis Batch: 617969 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-6	SCH-SB-SGWC-15 (35-45')	Total/NA	Solid	6020B	617595
410-211333-8	SGWC-18 (34-44')	Total/NA	Solid	6020B	617595
410-211333-8	SGWC-18 (34-44')	Total/NA	Solid	6020B	617595
MB 410-617595/1-A ^2	Method Blank	Total/NA	Solid	6020B	617595
LCS 410-617595/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	617595

Analysis Batch: 618107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Dissolved	Water	6010D	616851
410-211333-5	SCH-SGWC-15	Dissolved	Water	6010D	616851
410-211333-7	SCH-SGWC-18	Dissolved	Water	6010D	616851
MB 410-616851/1-A	Method Blank	Total/NA	Water	6010D	616851
LCS 410-616851/2-A	Lab Control Sample	Total/NA	Water	6010D	616851

Analysis Batch: 618120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-616778/2-A	Lab Control Sample	Total/NA	Water	6010D	616778

Analysis Batch: 618148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Dissolved	Water	6020B	616851
410-211333-5	SCH-SGWC-15	Dissolved	Water	6020B	616851
410-211333-7	SCH-SGWC-18	Dissolved	Water	6020B	616851
MB 410-616851/1-A	Method Blank	Total/NA	Water	6020B	616851
LCS 410-616851/2-A	Lab Control Sample	Total/NA	Water	6020B	616851

Analysis Batch: 618153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-2	SCH-SB-SGWC-10 (20-30')	Total/NA	Solid	6020B	617595
410-211333-4	SCH-SB-SGWC-11 (30-40')	Total/NA	Solid	6020B	617595
410-211333-6	SCH-SB-SGWC-15 (35-45')	Total/NA	Solid	6020B	617595
410-211333-8	SGWC-18 (34-44')	Total/NA	Solid	6020B	617595
MB 410-617595/1-A ^2	Method Blank	Total/NA	Solid	6020B	617595
LCS 410-617595/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	617595

Analysis Batch: 618175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-2	SCH-SB-SGWC-10 (20-30')	Total/NA	Solid	6010D	617595
410-211333-6	SCH-SB-SGWC-15 (35-45')	Total/NA	Solid	6010D	617595
410-211333-8	SGWC-18 (34-44')	Total/NA	Solid	6010D	617595
MB 410-617595/1-A	Method Blank	Total/NA	Solid	6010D	617595
LCS 410-617595/2-A	Lab Control Sample	Total/NA	Solid	6010D	617595

Analysis Batch: 618459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-4	SCH-SB-SGWC-11 (30-40')	Total/NA	Solid	6010D	617595

Analysis Batch: 618485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Dissolved	Water	6020B	616851
410-211333-5	SCH-SGWC-15	Dissolved	Water	6020B	616851

Metals (Continued)

Analysis Batch: 618485 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-7	SCH-SGWC-18	Dissolved	Water	6020B	616851
MB 410-616851/1-A	Method Blank	Total/NA	Water	6020B	616851
LCS 410-616851/2-A	Lab Control Sample	Total/NA	Water	6020B	616851

Analysis Batch: 618663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Total Recoverable	Water	6010D	616800
410-211333-3	SCH-SGWC-11	Total Recoverable	Water	6010D	616800
MB 410-616800/1-A	Method Blank	Total Recoverable	Water	6010D	616800
LCS 410-616800/2-A	Lab Control Sample	Total Recoverable	Water	6010D	616800

Analysis Batch: 618688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-3	SCH-SGWC-11	Dissolved	Water	6020B	616778
410-211333-9	SCH-SGWC-20	Dissolved	Water	6020B	616778
MB 410-616778/1-A	Method Blank	Total/NA	Water	6020B	616778
LCS 410-616778/2-A	Lab Control Sample	Total/NA	Water	6020B	616778

Analysis Batch: 619270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Total Recoverable	Water	6020B	616800
410-211333-3	SCH-SGWC-11	Total Recoverable	Water	6020B	616800
MB 410-616800/1-A	Method Blank	Total Recoverable	Water	6020B	616800
LCS 410-616800/2-A	Lab Control Sample	Total Recoverable	Water	6020B	616800

Analysis Batch: 619271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-5	SCH-SGWC-15	Total Recoverable	Water	6010D	616808
410-211333-7	SCH-SGWC-18	Total Recoverable	Water	6010D	616808
410-211333-9	SCH-SGWC-20	Total Recoverable	Water	6010D	616808
MB 410-616808/1-A	Method Blank	Total Recoverable	Water	6010D	616808
LCS 410-616808/2-A	Lab Control Sample	Total Recoverable	Water	6010D	616808

Analysis Batch: 619275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-10	SGWC-20 (15-25')	Total/NA	Solid	6020B	616022

Analysis Batch: 619637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-5	SCH-SGWC-15	Total Recoverable	Water	6020B	616808
410-211333-7	SCH-SGWC-18	Total Recoverable	Water	6020B	616808
410-211333-7	SCH-SGWC-18	Total Recoverable	Water	6020B	616808
410-211333-9	SCH-SGWC-20	Total Recoverable	Water	6020B	616808
MB 410-616808/1-A	Method Blank	Total Recoverable	Water	6020B	616808
LCS 410-616808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	616808

Analysis Batch: 619804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-5	SCH-SGWC-15	Total Recoverable	Water	6020B	616808
410-211333-7	SCH-SGWC-18	Total Recoverable	Water	6020B	616808
410-211333-9	SCH-SGWC-20	Total Recoverable	Water	6020B	616808

Metals (Continued)

Analysis Batch: 619804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-616808/1-A	Method Blank	Total Recoverable	Water	6020B	616808
LCS 410-616808/2-A	Lab Control Sample	Total Recoverable	Water	6020B	616808

General Chemistry

Analysis Batch: 614914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-2	SCH-SB-SGWC-10 (20-30')	Total/NA	Solid	Moisture	
410-211333-4	SCH-SB-SGWC-11 (30-40')	Total/NA	Solid	Moisture	
410-211333-6	SCH-SB-SGWC-15 (35-45')	Total/NA	Solid	Moisture	
410-211333-8	SGWC-18 (34-44')	Total/NA	Solid	Moisture	
410-211333-10	SGWC-20 (15-25')	Total/NA	Solid	Moisture	

Analysis Batch: 619174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-211333-1	SCH-SGWC-10	Dissolved	Water	415.1	
410-211333-3	SCH-SGWC-11	Dissolved	Water	415.1	
410-211333-5	SCH-SGWC-15	Dissolved	Water	415.1	
410-211333-7	SCH-SGWC-18	Dissolved	Water	415.1	
410-211333-9	SCH-SGWC-20	Dissolved	Water	415.1	
MB 410-619174/7	Method Blank	Dissolved	Water	415.1	
LCS 410-619174/6	Lab Control Sample	Dissolved	Water	415.1	
MRL 410-619174/3	Lab Control Sample	Dissolved	Water	415.1	

Lab Chronicle

Client: Terra Systems Inc
Job ID: 410-211333-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: SCH-SGWC-10
Lab Sample ID: 410-211333-1
Date Collected: 03/06/25 08:00
Matrix: Water
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	618812	KJQ8	ELLE	03/18/25 12:33
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6010D		1	618107	T8CQ	ELLE	03/17/25 18:20
Total Recoverable	Prep	3005A			616800	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6010D		1	618663	T8CQ	ELLE	03/18/25 20:31
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6020B		1	618485	F7JF	ELLE	03/18/25 12:21
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6020B		1	618148	LHF4	ELLE	03/17/25 16:30
Total Recoverable	Prep	3005A			616800	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619270	LHF4	ELLE	03/19/25 17:18
Dissolved	Analysis	415.1		1	619174	P684	ELLE	03/18/25 23:58

Client Sample ID: SCH-SB-SGWC-10 (20-30')
Lab Sample ID: 410-211333-2
Date Collected: 03/06/25 08:15
Matrix: Solid
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	614914	E5GC	ELLE	03/10/25 10:33

Client Sample ID: SCH-SB-SGWC-10 (20-30')
Lab Sample ID: 410-211333-2
Date Collected: 03/06/25 08:15
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 65.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6010D		5	618175	MT26	ELLE	03/18/25 01:28
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	618153	LHF4	ELLE	03/17/25 15:41
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	617969	F7JF	ELLE	03/17/25 10:53
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		10	617969	F7JF	ELLE	03/17/25 10:55

Client Sample ID: SCH-SGWC-11
Lab Sample ID: 410-211333-3
Date Collected: 03/06/25 08:30
Matrix: Water
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		1	617227	KJQ8	ELLE	03/14/25 11:57
Dissolved	Prep	Non-Digest Prep			616778	UJL8	ELLE	03/15/25 01:45
Dissolved	Analysis	6010D		1	617966	MT26	ELLE	03/17/25 12:04
Total Recoverable	Prep	3005A			616800	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6010D		1	618663	T8CQ	ELLE	03/18/25 20:37

Client Sample ID: SCH-SGWC-11
Lab Sample ID: 410-211333-3

Date Collected: 03/06/25 08:30
Matrix: Water
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			616778	UJL8	ELLE	03/15/25 01:45
Dissolved	Analysis	6020B		1	618688	LHF4	ELLE	03/18/25 19:36
Total Recoverable	Prep	3005A			616800	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619270	LHF4	ELLE	03/19/25 17:31
Dissolved	Analysis	415.1		1	619174	P684	ELLE	03/19/25 00:23

Client Sample ID: SCH-SB-SGWC-11 (30-40')
Lab Sample ID: 410-211333-4

Date Collected: 03/06/25 08:45
Matrix: Solid
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	614914	E5GC	ELLE	03/10/25 10:33

Client Sample ID: SCH-SB-SGWC-11 (30-40')
Lab Sample ID: 410-211333-4

Date Collected: 03/06/25 08:45
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 66.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6010D		20	618459	MT26	ELLE	03/18/25 08:31
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	618153	LHF4	ELLE	03/17/25 15:37
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	617969	F7JF	ELLE	03/17/25 10:45
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		10	617969	F7JF	ELLE	03/17/25 10:47

Client Sample ID: SCH-SGWC-15
Lab Sample ID: 410-211333-5

Date Collected: 03/06/25 09:00
Matrix: Water
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	618264	PYC6	ELLE	03/17/25 16:41
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6010D		1	618107	T8CQ	ELLE	03/17/25 18:14
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6010D		1	619271	T8CQ	ELLE	03/19/25 22:07
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6020B		1	618485	F7JF	ELLE	03/18/25 12:07
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6020B		1	618148	LHF4	ELLE	03/17/25 16:19
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619804	LHF4	ELLE	03/20/25 18:02
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619637	SAM2	ELLE	03/20/25 15:05

Client Sample ID: SCH-SGWC-15
Lab Sample ID: 410-211333-5
Date Collected: 03/06/25 09:00
Matrix: Water
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	415.1		1	619174	P684	ELLE	03/19/25 00:49

Client Sample ID: SCH-SB-SGWC-15 (35-45')
Lab Sample ID: 410-211333-6
Date Collected: 03/06/25 09:15
Matrix: Solid
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	614914	E5GC	ELLE	03/10/25 10:33

Client Sample ID: SCH-SB-SGWC-15 (35-45')
Lab Sample ID: 410-211333-6
Date Collected: 03/06/25 09:15
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 67.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6010D		5	618175	MT26	ELLE	03/18/25 00:59
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	618153	LHF4	ELLE	03/17/25 15:35
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	617969	F7JF	ELLE	03/17/25 10:32
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		10	617969	F7JF	ELLE	03/17/25 10:35

Client Sample ID: SCH-SGWC-18
Lab Sample ID: 410-211333-7
Date Collected: 03/06/25 09:30
Matrix: Water
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	619018	PYC6	ELLE	03/19/25 13:53
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6010D		1	618107	T8CQ	ELLE	03/17/25 18:17
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6010D		1	619271	T8CQ	ELLE	03/19/25 22:01
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6020B		1	618485	F7JF	ELLE	03/18/25 12:10
Dissolved	Prep	Non-Digest Prep			616851	UJL8	ELLE	03/15/25 03:00
Dissolved	Analysis	6020B		1	618148	LHF4	ELLE	03/17/25 16:21
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619804	LHF4	ELLE	03/20/25 17:58
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619637	SAM2	ELLE	03/20/25 15:01
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		10	619637	SAM2	ELLE	03/20/25 15:08
Dissolved	Analysis	415.1		1	619174	P684	ELLE	03/19/25 01:16

Client Sample ID: SGWC-18 (34-44')
Lab Sample ID: 410-211333-8

Date Collected: 03/06/25 09:45
Matrix: Solid
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	614914	E5GC	ELLE	03/10/25 10:33

Client Sample ID: SGWC-18 (34-44')
Lab Sample ID: 410-211333-8

Date Collected: 03/06/25 09:45
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6010D		5	618175	MT26	ELLE	03/18/25 01:12
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	618153	LHF4	ELLE	03/17/25 15:39
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		2	617969	F7JF	ELLE	03/17/25 10:49
Total/NA	Prep	3050B			617595	UAMX	ELLE	03/16/25 22:00
Total/NA	Analysis	6020B		10	617969	F7JF	ELLE	03/17/25 10:51

Client Sample ID: SCH-SGWC-20
Lab Sample ID: 410-211333-9

Date Collected: 03/06/25 10:00
Matrix: Water
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	618264	PYC6	ELLE	03/17/25 16:51
Dissolved	Prep	Non-Digest Prep			616778	UJL8	ELLE	03/15/25 01:45
Dissolved	Analysis	6010D		1	617966	MT26	ELLE	03/17/25 12:01
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6010D		1	619271	T8CQ	ELLE	03/19/25 22:04
Dissolved	Prep	Non-Digest Prep			616778	UJL8	ELLE	03/15/25 01:45
Dissolved	Analysis	6020B		1	618688	LHF4	ELLE	03/18/25 19:34
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619804	LHF4	ELLE	03/20/25 18:00
Total Recoverable	Prep	3005A			616808	UJL8	ELLE	03/18/25 07:00
Total Recoverable	Analysis	6020B		1	619637	SAM2	ELLE	03/20/25 15:03
Dissolved	Analysis	415.1		1	619174	P684	ELLE	03/19/25 01:43

Client Sample ID: SGWC-20 (15-25')
Lab Sample ID: 410-211333-10

Date Collected: 03/06/25 10:15
Matrix: Solid
Date Received: 03/07/25 15:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	614914	E5GC	ELLE	03/10/25 10:33

Lab Chronicle

Client: Terra Systems Inc
Job ID: 410-211333-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: SGWC-20 (15-25')
Lab Sample ID: 410-211333-10
Date Collected: 03/06/25 10:15
Matrix: Solid
Date Received: 03/07/25 15:16
Percent Solids: 69.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			616022	UJL8	ELLE	03/13/25 02:35
Total/NA	Analysis	6010D		5	616903	T8CQ	ELLE	03/13/25 22:33
Total/NA	Prep	3050B			616022	UJL8	ELLE	03/13/25 02:35
Total/NA	Analysis	6020B		2	616864	LHF4	ELLE	03/13/25 19:24
Total/NA	Prep	3050B			616022	UJL8	ELLE	03/13/25 02:35
Total/NA	Analysis	6020B		10	616864	LHF4	ELLE	03/13/25 19:26
Total/NA	Prep	3050B			616022	UJL8	ELLE	03/13/25 02:35
Total/NA	Analysis	6020B		2	619275	LHF4	ELLE	03/19/25 15:11

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-211333-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-211333-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: Terra Systems Inc
Job ID: 410-211333-1
Project/Site: WSP Plant Scherer CCR TS

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6010D	Metals (ICP)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
415.1	DOC	EPA	ELLE
Moisture	Percent Moisture	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3050B	Preparation, Metals	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Terra Systems Inc
Job ID: 410-211333-1
Project/Site: WSP Plant Scherer CCR TS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-211333-1	SCH-SGWC-10	Water	03/06/25 08:00	03/07/25 15:16
410-211333-2	SCH-SB-SGWC-10 (20-30')	Solid	03/06/25 08:15	03/07/25 15:16
410-211333-3	SCH-SGWC-11	Water	03/06/25 08:30	03/07/25 15:16
410-211333-4	SCH-SB-SGWC-11 (30-40')	Solid	03/06/25 08:45	03/07/25 15:16
410-211333-5	SCH-SGWC-15	Water	03/06/25 09:00	03/07/25 15:16
410-211333-6	SCH-SB-SGWC-15 (35-45')	Solid	03/06/25 09:15	03/07/25 15:16
410-211333-7	SCH-SGWC-18	Water	03/06/25 09:30	03/07/25 15:16
410-211333-8	SGWC-18 (34-44')	Solid	03/06/25 09:45	03/07/25 15:16
410-211333-9	SCH-SGWC-20	Water	03/06/25 10:00	03/07/25 15:16
410-211333-10	SGWC-20 (15-25')	Solid	03/06/25 10:15	03/07/25 15:16

Envir[illegible] Request/Chain of Custody

410-211333 Chain of Custody

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Acct. [illegible] Sample # _____

Client: Terra Systems, Inc.			
Project Name/#: Geosyntec Plant Branch, CCR TS	Site ID #: Juliette GA		
Project Manager: Michael D. Lee	P.O. #: 251022-3-4-25		
Sampler: Greg Maccarone	PWSID #:		
Phone #: 302-798-9553	Quote #: 41023643		
State where samples were collected: ___ GA	For Compliance: Yes ☐ No ☑		

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil / Sediment / Tissue	Matrix: Water / Potable / Ground / NPDES / Surface	Matrix: Other:	Total # of Containers	Analyses Requested (Preservation Codes)														Remarks
									N: Dis As, Be, Cd, Co, Li, Mn, Mo, Se (ff)	N: Total As, Be, Cd, Co, Fe, K, Li, Mg	P: Mn, Mo, Na, Se	"-: Dissolved Organic Carbon (ff)	"-: Sulfate	Total As, Be, Cd, Co, Fe, K, Li, Mg	Mn, Mo, Na, Se, % Mois							
SCH-SGWC-10	3/6/2025	8:00		X		X		4	X	X		X	X										ff- field filtered
SCH-SB-SGWC-10 (20-30')	3/6/2025	8:15		X	X			1						X									
SCH-SGWC-11	3/6/2025	8:30		X		X		4	X	x		X	X										
SCH-SB-SGWC-11 (30-40')	3/6/2025	8:45		X	X			1						X									
SCH-SGWC-15	3/6/2025	9:00		X		X		4	X	x		X	X										
SCH-SB-SGWC-15 (35-45')	3/6/2025	9:15		X	X			1						X									
SCH-SGWC-18	3/6/2025	9:30		X		X		4	X	x		X	X										
SGWC-18 (34-44')	3/6/2025	9:45		X	X			1						X									
SCH-SGWC-20	3/6/2025	10:00		X		X		4	X	x		X	X										
SGWC-20 (15-25')	3/6/2025	10:15		X	X			1						X									

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

For Lab Use Only: SF #: _____ SCR #: _____

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: 3/21/25

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address: mlee@terrasystems.net

Phone: 302-798-9553

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category ☐ A or ☐ B	

EDD Required? Yes ☐ No ☐ If yes, format: _____

Relinquished by:	Date	Time	Received by:	Date	Time
Greg Maccarone	3/7	1:02	[illegible]	3/7/25	1:02
[illegible]	3/7/25	15:16			
			[illegible]	3/7/25	15:16

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt R0.5 C0.3 °C

Login Sample Receipt Checklist

Client: Terra Systems Inc

Job Number: 410-211333-1

Login Number: 211333

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Cyms, Carolyn M

Question	Answer	Comment
The cooler's custody seal is intact.	True	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Michael D Lee
Terra Systems Inc
130 Hickman Road
Suite 1
Claymont, Delaware 19703

Generated 4/4/2025 9:17:25 AM Revision 1

JOB DESCRIPTION

WSP Plant Scherer CCR TS

JOB NUMBER

410-213902-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
4/4/2025 9:17:25 AM
Revision 1

Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

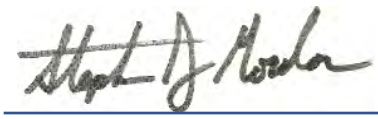


Table of Contents

Cover Page 1
Table of Contents 4
Definitions/Glossary 5
Case Narrative 6
Detection Summary 7
Client Sample Results 9
QC Sample Results 12
QC Association Summary 16
Lab Chronicle 18
Certification Summary 20
Method Summary 22
Sample Summary 23
Chain of Custody 24
Receipt Checklists 26

Definitions/Glossary

Client: Terra Systems Inc
Job ID: 410-213902-1
Project/Site: WSP Plant Scherer CCR TS

Qualifiers

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-213902-1 Eurofins Lancaster Laboratories Environment

Job Narrative
410-213902-1

REVISION

The report being provided is a revision of the original report sent on 4/3/2025. The report (revision 1) is being revised due to Client submitted revised COC to correct job description and project name..

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 3/25/2025 7:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 10 g/L Manganese Hydroxide (410-213902-3). The container labels list date of 3/25/2025, while the COC lists date of 3/24/2025. The client was contacted, and they provided a revised COC on 3/27.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 10 g/L Potassium Permanganate (410-213902-5). The container labels list time of 15:30, while the COC lists time of 16:00. The client was contacted, and they provided a revised COC on 3/27.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): 10 g/L Manganese Oxide (410-213902-4). The container labels list date of 3/25/2025 and time of 16:00, while the COC lists date of 3/24/2025 and time of 15:30. The client was contacted, and they provided a revised COC on 3/27.

Metals
Method 6010D - Dissolved: The following sample was diluted due to the nature of the sample matrix: 10 g/L Potassium Permanganate (410-213902-5). Elevated reporting limits (RLs) are provided.

Method 6010D - Total Recoverable: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 10 g/L Potassium Permanganate (410-213902-5). The reporting limits (RLs) have been adjusted proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-213902-1

Client Sample ID: 10 g/L Sodium Bicarbonate — Lab Sample ID: 410-213902-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	0.27		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	0.022		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Sodium	2500		20	8.0	mg/L	20		6010D	Total Recoverable
Cadmium	0.0059		0.0052	0.0010	mg/L	1		6010D	Dissolved
Manganese	0.028		0.010	0.0031	mg/L	1		6010D	Dissolved

Client Sample ID: 10 g/L Manganese Oxyhydroxide — Lab Sample ID: 410-213902-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.014	J	0.050	0.011	mg/L	1		6010D	Total Recoverable
Magnesium	1.7		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	4.0		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Sodium	1.8		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	0.63		0.010	0.0031	mg/L	1		6010D	Dissolved

Client Sample ID: 10 g/L Manganese Hydroxide — Lab Sample ID: 410-213902-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.011		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Manganese	10		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Sodium	2.2		1.0	0.40	mg/L	1		6010D	Total Recoverable
Cadmium	0.0019	J	0.0052	0.0010	mg/L	1		6010D	Dissolved
Cobalt	0.0062		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	17		0.010	0.0031	mg/L	1		6010D	Dissolved

Client Sample ID: 10 g/L Manganese Oxide — Lab Sample ID: 410-213902-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.016	J	0.050	0.011	mg/L	1		6010D	Total Recoverable
Magnesium	0.45		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	30		0.050	0.015	mg/L	5		6010D	Total Recoverable
Potassium	0.58	J	1.0	0.25	mg/L	1		6010D	Total Recoverable
Selenium	0.030	J	0.050	0.016	mg/L	1		6010D	Total Recoverable
Sodium	23		1.0	0.40	mg/L	1		6010D	Total Recoverable
Lithium	0.015	J	0.052	0.011	mg/L	1		6010D	Dissolved
Manganese	0.38		0.010	0.0031	mg/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-213902-1

Client Sample ID: 10 g/L Potassium Permanganate — Lab Sample ID: 410-213902-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.034	J	0.050	0.010	mg/L	1		6010D	Total Recoverable
Manganese	1700		2.0	0.60	mg/L	20		6010D	Total Recoverable
Potassium	1700		10	2.5	mg/L	1		6010D	Total Recoverable
Selenium	1.6		0.50	0.16	mg/L	1		6010D	Total Recoverable
Sodium	5.7	J	10	4.0	mg/L	1		6010D	Total Recoverable
Manganese	3800	cn	10	3.1	mg/L	100		6010D	Dissolved
Selenium	2.5		0.52	0.16	mg/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10 g/L Sodium Bicarbonate

Lab Sample ID: 410-213902-1
Date Collected: 03/24/25 14:00
Matrix: Water
Date Received: 03/25/25 19:15

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		03/31/25 06:49	03/31/25 20:37	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		03/31/25 06:49	03/31/25 20:37	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		03/31/25 06:49	03/31/25 20:37	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		03/31/25 06:49	03/31/25 20:37	1
Iron	<0.080		0.20	0.080	mg/L		03/31/25 06:49	03/31/25 20:37	1
Lithium	<0.011		0.050	0.011	mg/L		03/31/25 06:49	03/31/25 20:37	1
Magnesium	**0.27**		0.20	0.080	mg/L		03/31/25 06:49	03/31/25 20:37	1
Manganese	**0.022**		0.010	0.0030	mg/L		03/31/25 06:49	03/31/25 20:37	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		03/31/25 06:49	03/31/25 20:37	1
Potassium	<0.25		1.0	0.25	mg/L		03/31/25 06:49	03/31/25 20:37	1
Selenium	<0.016		0.050	0.016	mg/L		03/31/25 06:49	03/31/25 20:37	1
Sodium	**2500**		20	8.0	mg/L		03/31/25 06:49	03/31/25 21:05	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		03/31/25 02:30	03/31/25 19:00	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		03/31/25 02:30	03/31/25 19:00	1
Cadmium	**0.0059**		0.0052	0.0010	mg/L		03/31/25 02:30	03/31/25 19:00	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		03/31/25 02:30	03/31/25 19:00	1
Lithium	<0.011		0.052	0.011	mg/L		03/31/25 02:30	03/31/25 19:00	1
Manganese	**0.028**		0.010	0.0031	mg/L		03/31/25 02:30	03/31/25 19:00	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		03/31/25 02:30	03/31/25 19:00	1
Selenium	<0.016		0.052	0.016	mg/L		03/31/25 02:30	03/31/25 19:00	1

Client Sample ID: 10 g/L Manganese Oxyhydroxide

Lab Sample ID: 410-213902-2
Date Collected: 03/24/25 14:30
Matrix: Water
Date Received: 03/25/25 19:15

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		03/30/25 20:30	04/01/25 01:53	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 01:53	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 01:53	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		03/30/25 20:30	04/01/25 01:53	1
Iron	<0.080		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 01:53	1
Lithium	**0.014**	**J**	0.050	0.011	mg/L		03/30/25 20:30	04/01/25 01:53	1
Magnesium	**1.7**		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 01:53	1
Manganese	**4.0**		0.010	0.0030	mg/L		03/30/25 20:30	04/01/25 01:53	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		03/30/25 20:30	04/01/25 01:53	1
Potassium	<0.25		1.0	0.25	mg/L		03/30/25 20:30	04/01/25 01:53	1
Selenium	<0.016		0.050	0.016	mg/L		03/30/25 20:30	04/01/25 01:53	1
Sodium	**1.8**		1.0	0.40	mg/L		03/30/25 20:30	04/01/25 01:53	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 17:05	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 17:05	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 17:05	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/02/25 12:04	04/02/25 17:05	1
Lithium	<0.011		0.052	0.011	mg/L		04/02/25 12:04	04/02/25 17:05	1

Client Sample ID: 10 g/L Manganese Oxyhydroxide

Lab Sample ID: 410-213902-2
Date Collected: 03/24/25 14:30
Matrix: Water
Date Received: 03/25/25 19:15

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.63**		0.010	0.0031	mg/L		04/02/25 12:04	04/02/25 20:54	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/02/25 12:04	04/02/25 17:05	1
Selenium	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 17:05	1

Client Sample ID: 10 g/L Manganese Hydroxide

Lab Sample ID: 410-213902-3
Date Collected: 03/24/25 15:00
Matrix: Water
Date Received: 03/25/25 19:15

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		03/30/25 20:30	04/01/25 01:47	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 01:47	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 01:47	1
Cobalt	**0.011**		0.0050	0.0015	mg/L		03/30/25 20:30	04/01/25 01:47	1
Iron	<0.080		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 01:47	1
Lithium	<0.011		0.050	0.011	mg/L		03/30/25 20:30	04/01/25 01:47	1
Magnesium	<0.080		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 01:47	1
Manganese	**10**		0.010	0.0030	mg/L		03/30/25 20:30	04/01/25 01:47	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		03/30/25 20:30	04/01/25 01:47	1
Potassium	<0.25		1.0	0.25	mg/L		03/30/25 20:30	04/01/25 01:47	1
Selenium	<0.016		0.050	0.016	mg/L		03/30/25 20:30	04/01/25 01:47	1
Sodium	**2.2**		1.0	0.40	mg/L		03/30/25 20:30	04/01/25 01:47	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 17:08	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 17:08	1
Cadmium	**0.0019**	**J**	0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 17:08	1
Cobalt	**0.0062**		0.0052	0.0015	mg/L		04/02/25 12:04	04/02/25 17:08	1
Lithium	<0.011		0.052	0.011	mg/L		04/02/25 12:04	04/02/25 17:08	1
Manganese	**17**		0.010	0.0031	mg/L		04/02/25 12:04	04/02/25 20:57	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/02/25 12:04	04/02/25 17:08	1
Selenium	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 17:08	1

Client Sample ID: 10 g/L Manganese Oxide

Lab Sample ID: 410-213902-4
Date Collected: 03/24/25 16:00
Matrix: Water
Date Received: 03/25/25 19:15

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		03/30/25 20:30	04/01/25 01:50	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 01:50	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 01:50	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		03/30/25 20:30	04/01/25 01:50	1
Iron	<0.080		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 01:50	1
Lithium	**0.016**	**J**	0.050	0.011	mg/L		03/30/25 20:30	04/01/25 01:50	1
Magnesium	**0.45**		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 01:50	1
Manganese	**30**		0.050	0.015	mg/L		03/30/25 20:30	04/03/25 13:24	5
Molybdenum	<0.0020		0.010	0.0020	mg/L		03/30/25 20:30	04/01/25 01:50	1
Potassium	**0.58**	**J**	1.0	0.25	mg/L		03/30/25 20:30	04/01/25 01:50	1
Selenium	**0.030**	**J**	0.050	0.016	mg/L		03/30/25 20:30	04/01/25 01:50	1

Client Sample ID: 10 g/L Manganese Oxide

Lab Sample ID: 410-213902-4
Matrix: Water
Date Collected: 03/24/25 16:00
Date Received: 03/25/25 19:15

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	**23**		1.0	0.40	mg/L		03/30/25 20:30	04/01/25 01:50	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 17:02	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 17:02	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 17:02	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/02/25 12:04	04/02/25 17:02	1
Lithium	**0.015**	**J**	0.052	0.011	mg/L		04/02/25 12:04	04/02/25 17:02	1
Manganese	**0.38**		0.010	0.0031	mg/L		04/02/25 12:04	04/02/25 20:51	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/02/25 12:04	04/02/25 17:02	1
Selenium	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 17:02	1

Client Sample ID: 10 g/L Potassium Permanganate

Lab Sample ID: 410-213902-5
Matrix: Water
Date Collected: 03/24/25 15:30
Date Received: 03/25/25 19:15

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		03/31/25 06:49	03/31/25 21:01	1
Beryllium	<0.010		0.050	0.010	mg/L		03/31/25 06:49	03/31/25 21:01	1
Cadmium	**0.034**	**J**	0.050	0.010	mg/L		03/31/25 06:49	03/31/25 21:01	1
Cobalt	<0.015		0.050	0.015	mg/L		03/31/25 06:49	03/31/25 21:01	1
Iron	<0.80		2.0	0.80	mg/L		03/31/25 06:49	03/31/25 21:01	1
Lithium	<0.11		0.50	0.11	mg/L		03/31/25 06:49	03/31/25 21:01	1
Magnesium	<0.80		2.0	0.80	mg/L		03/31/25 06:49	03/31/25 21:01	1
Manganese	**1700**		2.0	0.60	mg/L		03/31/25 06:49	03/31/25 21:11	20
Molybdenum	<0.020		0.10	0.020	mg/L		03/31/25 06:49	03/31/25 21:01	1
Potassium	**1700**		10	2.5	mg/L		03/31/25 06:49	03/31/25 21:01	1
Selenium	**1.6**		0.50	0.16	mg/L		03/31/25 06:49	03/31/25 21:01	1
Sodium	**5.7**	**J**	10	4.0	mg/L		03/31/25 06:49	03/31/25 21:01	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.52	0.16	mg/L		04/02/25 12:04	04/02/25 16:51	1
Beryllium	<0.010		0.052	0.010	mg/L		04/02/25 12:04	04/02/25 16:51	1
Cadmium	<0.010		0.052	0.010	mg/L		04/02/25 12:04	04/02/25 16:51	1
Cobalt	<0.015		0.052	0.015	mg/L		04/02/25 12:04	04/02/25 16:51	1
Lithium	<0.11		0.52	0.11	mg/L		04/02/25 12:04	04/02/25 16:51	1
Manganese	**3800**	**cn**	10	3.1	mg/L		04/02/25 12:04	04/02/25 21:00	100
Molybdenum	<2.1	cn	10	2.1	mg/L		04/02/25 12:04	04/02/25 16:54	100
Selenium	**2.5**		0.52	0.16	mg/L		04/02/25 12:04	04/02/25 16:51	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-623788/1-A
Matrix: Water
Analysis Batch: 624353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 623788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		03/31/25 02:30	03/31/25 17:50	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		03/31/25 02:30	03/31/25 17:50	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		03/31/25 02:30	03/31/25 17:50	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		03/31/25 02:30	03/31/25 17:50	1
Lithium	<0.011		0.052	0.011	mg/L		03/31/25 02:30	03/31/25 17:50	1
Manganese	<0.0031		0.010	0.0031	mg/L		03/31/25 02:30	03/31/25 17:50	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		03/31/25 02:30	03/31/25 17:50	1
Selenium	<0.016		0.052	0.016	mg/L		03/31/25 02:30	03/31/25 17:50	1

Lab Sample ID: LCS 410-623788/2-A
Matrix: Water
Analysis Batch: 624353

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 623788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.506		mg/L		101	90 - 115
Beryllium	0.0500	0.0519		mg/L		104	90 - 110
Cadmium	0.0500	0.0512		mg/L		102	90 - 113
Cobalt	0.500	0.512		mg/L		102	90 - 113
Lithium	0.500	0.504		mg/L		101	88 - 113
Manganese	0.500	0.497		mg/L		99	90 - 111
Molybdenum	0.0500	0.0501		mg/L		100	85 - 113
Selenium	0.100	0.112		mg/L		112	80 - 120

Lab Sample ID: MB 410-625232/1-A
Matrix: Water
Analysis Batch: 625493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625232

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 15:42	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 15:42	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/02/25 12:04	04/02/25 15:42	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/02/25 12:04	04/02/25 15:42	1
Lithium	<0.011		0.052	0.011	mg/L		04/02/25 12:04	04/02/25 15:42	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/02/25 12:04	04/02/25 15:42	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/02/25 12:04	04/02/25 15:42	1
Selenium	<0.016		0.052	0.016	mg/L		04/02/25 12:04	04/02/25 15:42	1

Lab Sample ID: LCS 410-625232/2-A
Matrix: Water
Analysis Batch: 625493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.549		mg/L		110	90 - 115
Beryllium	0.0500	0.0541		mg/L		108	90 - 110
Cadmium	0.0500	0.0553		mg/L		111	90 - 113
Cobalt	0.500	0.536		mg/L		107	90 - 113
Lithium	0.500	0.512		mg/L		102	88 - 113
Molybdenum	0.0500	0.0530		mg/L		106	85 - 113
Selenium	0.100	0.111		mg/L		111	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-625232/2-A
Matrix: Water
Analysis Batch: 625557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.523		mg/L		105	90 - 111

Lab Sample ID: MB 410-623674/1-A
Matrix: Water
Analysis Batch: 624412

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 623674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		03/30/25 20:30	04/01/25 00:42	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 00:42	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		03/30/25 20:30	04/01/25 00:42	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		03/30/25 20:30	04/01/25 00:42	1
Iron	<0.080		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 00:42	1
Lithium	<0.011		0.050	0.011	mg/L		03/30/25 20:30	04/01/25 00:42	1
Magnesium	<0.080		0.20	0.080	mg/L		03/30/25 20:30	04/01/25 00:42	1
Manganese	<0.0030		0.010	0.0030	mg/L		03/30/25 20:30	04/01/25 00:42	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		03/30/25 20:30	04/01/25 00:42	1
Potassium	<0.25		1.0	0.25	mg/L		03/30/25 20:30	04/01/25 00:42	1
Selenium	<0.016		0.050	0.016	mg/L		03/30/25 20:30	04/01/25 00:42	1
Sodium	<0.40		1.0	0.40	mg/L		03/30/25 20:30	04/01/25 00:42	1

Lab Sample ID: LCS 410-623674/2-A
Matrix: Water
Analysis Batch: 624412

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 623674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.495		mg/L		99	90 - 115
Beryllium	0.0500	0.0494		mg/L		99	90 - 110
Cadmium	0.0500	0.0501		mg/L		100	90 - 113
Cobalt	0.500	0.489		mg/L		98	90 - 113
Iron	5.00	4.86		mg/L		97	87 - 114
Lithium	0.500	0.477		mg/L		95	88 - 113
Magnesium	5.00	4.89		mg/L		98	90 - 111
Manganese	0.500	0.487		mg/L		97	90 - 111
Molybdenum	0.0500	0.0484		mg/L		97	85 - 113
Potassium	5.00	4.80		mg/L		96	88 - 118
Selenium	0.100	0.102		mg/L		102	80 - 120
Sodium	5.00	5.05		mg/L		101	88 - 118

Lab Sample ID: MB 410-623801/1-A
Matrix: Water
Analysis Batch: 624358

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 623801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		03/31/25 06:49	03/31/25 19:38	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		03/31/25 06:49	03/31/25 19:38	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		03/31/25 06:49	03/31/25 19:38	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		03/31/25 06:49	03/31/25 19:38	1
Iron	<0.080		0.20	0.080	mg/L		03/31/25 06:49	03/31/25 19:38	1
Lithium	<0.011		0.050	0.011	mg/L		03/31/25 06:49	03/31/25 19:38	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-623801/1-A
Matrix: Water
Analysis Batch: 624358

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 623801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.080		0.20	0.080	mg/L		03/31/25 06:49	03/31/25 19:38	1
Manganese	<0.0030		0.010	0.0030	mg/L		03/31/25 06:49	03/31/25 19:38	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		03/31/25 06:49	03/31/25 19:38	1
Potassium	<0.25		1.0	0.25	mg/L		03/31/25 06:49	03/31/25 19:38	1
Selenium	<0.016		0.050	0.016	mg/L		03/31/25 06:49	03/31/25 19:38	1
Sodium	<0.40		1.0	0.40	mg/L		03/31/25 06:49	03/31/25 19:38	1

Lab Sample ID: LCS 410-623801/2-A
Matrix: Water
Analysis Batch: 624358

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 623801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.529		mg/L		106	90 - 115
Beryllium	0.0500	0.0507		mg/L		101	90 - 110
Cadmium	0.0500	0.0525		mg/L		105	90 - 113
Cobalt	0.500	0.498		mg/L		100	90 - 113
Iron	5.00	4.95		mg/L		99	87 - 114
Lithium	0.500	0.480		mg/L		96	88 - 113
Magnesium	5.00	5.08		mg/L		102	90 - 111
Manganese	0.500	0.508		mg/L		102	90 - 111
Molybdenum	0.0500	0.0502		mg/L		100	85 - 113
Potassium	5.00	4.95		mg/L		99	88 - 118
Selenium	0.100	0.105		mg/L		105	80 - 120
Sodium	5.00	5.04		mg/L		101	88 - 118

Lab Sample ID: MB 410-623871/1-A
Matrix: Water
Analysis Batch: 625493

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 623871

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/02/25 07:14	04/02/25 18:25	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/02/25 07:14	04/02/25 18:25	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/02/25 07:14	04/02/25 18:25	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/02/25 07:14	04/02/25 18:25	1
Iron	<0.080		0.20	0.080	mg/L		04/02/25 07:14	04/02/25 18:25	1
Lithium	<0.011		0.050	0.011	mg/L		04/02/25 07:14	04/02/25 18:25	1
Magnesium	<0.080		0.20	0.080	mg/L		04/02/25 07:14	04/02/25 18:25	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/02/25 07:14	04/02/25 18:25	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/02/25 07:14	04/02/25 18:25	1
Potassium	<0.25		1.0	0.25	mg/L		04/02/25 07:14	04/02/25 18:25	1
Selenium	<0.016		0.050	0.016	mg/L		04/02/25 07:14	04/02/25 18:25	1
Sodium	<0.40		1.0	0.40	mg/L		04/02/25 07:14	04/02/25 18:25	1

Lab Sample ID: LCS 410-623871/2-A
Matrix: Water
Analysis Batch: 625493

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 623871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.510		mg/L		102	90 - 115

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-623871/2-A
Matrix: Water
Analysis Batch: 625493

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 623871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.0515		mg/L		103	90 - 110
Cadmium	0.0500	0.0520		mg/L		104	90 - 113
Cobalt	0.500	0.502		mg/L		100	90 - 113
Iron	5.00	5.02		mg/L		100	87 - 114
Lithium	0.500	0.489		mg/L		98	88 - 113
Magnesium	5.00	5.12		mg/L		102	90 - 111
Manganese	0.500	0.522		mg/L		104	90 - 111
Molybdenum	0.0500	0.0506		mg/L		101	85 - 113
Potassium	5.00	4.99		mg/L		100	88 - 118
Selenium	0.100	0.106		mg/L		106	80 - 120
Sodium	5.00	5.15		mg/L		103	88 - 118

Metals

Prep Batch: 623674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-2	10 g/L Manganese Oxyhydroxide	Total Recoverable	Water	3005A	
410-213902-3	10 g/L Manganese Hydroxide	Total Recoverable	Water	3005A	
410-213902-4	10 g/L Manganese Oxide	Total Recoverable	Water	3005A	
MB 410-623674/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-623674/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 623788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-1	10 g/L Sodium Bicarbonate	Dissolved	Water	Non-Digest Prep	
MB 410-623788/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-623788/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 623801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-1	10 g/L Sodium Bicarbonate	Total Recoverable	Water	3005A	
410-213902-5	10 g/L Potassium Permanganate	Total Recoverable	Water	3005A	
MB 410-623801/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-623801/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 623871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-623871/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-623871/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 624353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-1	10 g/L Sodium Bicarbonate	Dissolved	Water	6010D	623788
MB 410-623788/1-A	Method Blank	Total/NA	Water	6010D	623788
LCS 410-623788/2-A	Lab Control Sample	Total/NA	Water	6010D	623788

Analysis Batch: 624358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-1	10 g/L Sodium Bicarbonate	Total Recoverable	Water	6010D	623801
410-213902-1	10 g/L Sodium Bicarbonate	Total Recoverable	Water	6010D	623801
410-213902-5	10 g/L Potassium Permanganate	Total Recoverable	Water	6010D	623801
410-213902-5	10 g/L Potassium Permanganate	Total Recoverable	Water	6010D	623801
MB 410-623801/1-A	Method Blank	Total Recoverable	Water	6010D	623801
LCS 410-623801/2-A	Lab Control Sample	Total Recoverable	Water	6010D	623801

Analysis Batch: 624412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-2	10 g/L Manganese Oxyhydroxide	Total Recoverable	Water	6010D	623674
410-213902-3	10 g/L Manganese Hydroxide	Total Recoverable	Water	6010D	623674
410-213902-4	10 g/L Manganese Oxide	Total Recoverable	Water	6010D	623674
MB 410-623674/1-A	Method Blank	Total Recoverable	Water	6010D	623674
LCS 410-623674/2-A	Lab Control Sample	Total Recoverable	Water	6010D	623674

Prep Batch: 625232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-2	10 g/L Manganese Oxyhydroxide	Dissolved	Water	Non-Digest Prep	
410-213902-3	10 g/L Manganese Hydroxide	Dissolved	Water	Non-Digest Prep	

Metals (Continued)

Prep Batch: 625232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-4	10 g/L Manganese Oxide	Dissolved	Water	Non-Digest Prep	
410-213902-5	10 g/L Potassium Permanganate	Dissolved	Water	Non-Digest Prep	
MB 410-625232/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-625232/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 625493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-2	10 g/L Manganese Oxyhydroxide	Dissolved	Water	6010D	625232
410-213902-3	10 g/L Manganese Hydroxide	Dissolved	Water	6010D	625232
410-213902-4	10 g/L Manganese Oxide	Dissolved	Water	6010D	625232
410-213902-5	10 g/L Potassium Permanganate	Dissolved	Water	6010D	625232
410-213902-5	10 g/L Potassium Permanganate	Dissolved	Water	6010D	625232
MB 410-623871/1-A	Method Blank	Total Recoverable	Water	6010D	623871
MB 410-625232/1-A	Method Blank	Total/NA	Water	6010D	625232
LCS 410-623871/2-A	Lab Control Sample	Total Recoverable	Water	6010D	623871
LCS 410-625232/2-A	Lab Control Sample	Total/NA	Water	6010D	625232

Analysis Batch: 625557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-2	10 g/L Manganese Oxyhydroxide	Dissolved	Water	6010D	625232
410-213902-3	10 g/L Manganese Hydroxide	Dissolved	Water	6010D	625232
410-213902-4	10 g/L Manganese Oxide	Dissolved	Water	6010D	625232
410-213902-5	10 g/L Potassium Permanganate	Dissolved	Water	6010D	625232
LCS 410-625232/2-A	Lab Control Sample	Total/NA	Water	6010D	625232

Analysis Batch: 625876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-213902-4	10 g/L Manganese Oxide	Total Recoverable	Water	6010D	623674

Lab Chronicle

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-213902-1

Client Sample ID: 10 g/L Sodium Bicarbonate
Lab Sample ID: 410-213902-1
Date Collected: 03/24/25 14:00
Matrix: Water
Date Received: 03/25/25 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			623788	UAMX	ELLE	03/31/25 02:30
Dissolved	Analysis	6010D		1	624353	T8CQ	ELLE	03/31/25 19:00
Total Recoverable	Prep	3005A			623801	UJL8	ELLE	03/31/25 06:49
Total Recoverable	Analysis	6010D		1	624358	T8CQ	ELLE	03/31/25 20:37
Total Recoverable	Prep	3005A			623801	UJL8	ELLE	03/31/25 06:49
Total Recoverable	Analysis	6010D		20	624358	T8CQ	ELLE	03/31/25 21:05

Client Sample ID: 10 g/L Manganese Oxyhydroxide
Lab Sample ID: 410-213902-2
Date Collected: 03/24/25 14:30
Matrix: Water
Date Received: 03/25/25 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		1	625493	T8CQ	ELLE	04/02/25 17:05
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		1	625557	T8CQ	ELLE	04/02/25 20:54
Total Recoverable	Prep	3005A			623674	UAMX	ELLE	03/30/25 20:30
Total Recoverable	Analysis	6010D		1	624412	MT26	ELLE	04/01/25 01:53

Client Sample ID: 10 g/L Manganese Hydroxide
Lab Sample ID: 410-213902-3
Date Collected: 03/24/25 15:00
Matrix: Water
Date Received: 03/25/25 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		1	625493	T8CQ	ELLE	04/02/25 17:08
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		1	625557	T8CQ	ELLE	04/02/25 20:57
Total Recoverable	Prep	3005A			623674	UAMX	ELLE	03/30/25 20:30
Total Recoverable	Analysis	6010D		1	624412	MT26	ELLE	04/01/25 01:47

Client Sample ID: 10 g/L Manganese Oxide
Lab Sample ID: 410-213902-4
Date Collected: 03/24/25 16:00
Matrix: Water
Date Received: 03/25/25 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		1	625493	T8CQ	ELLE	04/02/25 17:02
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		1	625557	T8CQ	ELLE	04/02/25 20:51
Total Recoverable	Prep	3005A			623674	UAMX	ELLE	03/30/25 20:30
Total Recoverable	Analysis	6010D		1	624412	MT26	ELLE	04/01/25 01:50
Total Recoverable	Prep	3005A			623674	UAMX	ELLE	03/30/25 20:30
Total Recoverable	Analysis	6010D		5	625876	MT26	ELLE	04/03/25 13:24

Lab Chronicle

Client: Terra Systems Inc
Job ID: 410-213902-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 10 g/L Potassium Permanganate
Lab Sample ID: 410-213902-5
Date Collected: 03/24/25 15:30
Matrix: Water
Date Received: 03/25/25 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		1	625493	T8CQ	ELLE	04/02/25 16:51
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		100	625493	T8CQ	ELLE	04/02/25 16:54
Dissolved	Prep	Non-Digest Prep			625232	UJL8	ELLE	04/02/25 12:04
Dissolved	Analysis	6010D		100	625557	T8CQ	ELLE	04/02/25 21:00
Total Recoverable	Prep	3005A			623801	UJL8	ELLE	03/31/25 06:49
Total Recoverable	Analysis	6010D		1	624358	T8CQ	ELLE	03/31/25 21:01
Total Recoverable	Prep	3005A			623801	UJL8	ELLE	03/31/25 06:49
Total Recoverable	Analysis	6010D		20	624358	T8CQ	ELLE	03/31/25 21:11

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-213902-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-213902-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-213902-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-213902-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-213902-1	10 g/L Sodium Bicarbonate	Water	03/24/25 14:00	03/25/25 19:15
410-213902-2	10 g/L Manganese Oxyhydroxide	Water	03/24/25 14:30	03/25/25 19:15
410-213902-3	10 g/L Manganese Hydroxide	Water	03/24/25 15:00	03/25/25 19:15
410-213902-4	10 g/L Manganese Oxide	Water	03/24/25 16:00	03/25/25 19:15
410-213902-5	10 g/L Potassium Permanganate	Water	03/24/25 15:30	03/25/25 19:15

Envir Request/Chain of Custody

410-213902 Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # _____ Sample # _____

| | | |

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # _____ Group # _410-213902_____ Sample # _____

| | | |

Login Sample Receipt Checklist

Client: Terra Systems Inc

Job Number: 410-213902-1

Login Number: 213902
List Number: 1
Creator: McDonald, Teigan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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Invoice No.	4100300050	**Invoice Date**	May 13, 2025
Terms	Net 30 days		
Remit to	Eurofins Lancaster Laboratories Environment Testing, LLC, PO BOX 1453, Carol Stream, IL 60132-1453		
Wire	Citibank ABA: 031100209 Acct# 38996667 SWIFT Code: CITIUS33		
ACH	Citibank ABA: 031100209 Acct# 38996667 SWIFT Code: CITIUS33		

Bill to:

Terra Systems
Attn: Accounts Payable
130 Hickman Road
Suite 1
Claymont, DE 19703

Ship to:

Terra Systems Inc
130 Hickman Road
Suite 1
Claymont, DE 19703

P.O. Number	W.O. Number	Contract Number	Work Ordered by
251022-4-16-25			Dr. Michael D Lee (302) 798-9553
Job Description	**Site Name**	**SDG Number**	**Invoice Contact**
See below			Dr. Michael D Lee

Job No.	Job Description / Method/Test Description	Receipt Date	Quantity	Unit Price	Amount
J217892-1	**WSP Plant Scherer CCR TS**	**04/17/2025**			
	EPA 300.0 R2.1 - Sulfate		14.00	28.00	392.00
	6010D - Dissolved Metals(12) - Field Filtered		14.00	61.00	854.00
	6010D - Total Recoverable Total Metals(13)		14.00	61.00	854.00
	5310 C-2014 - Carbon, Dissolved - Field Filtered		14.00	40.00	560.00
	Safe and Environmentally Responsible Waste Management (per sample)		14.00	6.00	84.00

Project Number	Client Number	Project Manager	Subtotal (USD)	$2,744.00
41024240	9984	Stephen Gordon		
Latest Sample Receipt Date	**Latest Report Date**	**Phone Number**	**Total (USD)**	**$2,744.00**
04/17/2025	05/07/2025	(412) 525-0071		

For proper credit, please include invoice number on all remittance.

This invoice falls under Eurofins Lancaster Laboratories Environment Testing, LLC Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered. Send remittance info to CUS036AR@nsc.eurofinsus.com

Environmental Analysis Request/Chain of Custody

410-217892 Chain of Custody

Environmental Acct. # Group # Sample #

Client: **Terra Systems, Inc.**

Project Name/#: WSP Plant Scherer CCR TS | Site ID #: Juliette GA

Project Manager: Michael D. Lee | P.O. #: 251022-4-16-25

Sampler: Greg Maccarone | PWSID #:

Phone #: 302-798-9553 | Quote #: 41023643

State where samples were collected: ___ GA | For Compliance: Yes ☐ No ☑

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil/Sediment	Matrix: Tissue	Matrix: Water (Potable/Ground/Surface/NPDES)	Matrix: Other	Total # of Containers	Analyses Requested: Dis As, Be, Cd, Co, Cr, Li, Mn, Mo, Se (N)	Total As, Be, Cd, Co, Cr, Fe, K, Li, Mo (N)	Mn, Mo, Na, Se (N)	DOC (f) (-)	SO4 (-)	Remarks
10 Control	4/16/2025	13:00		X			X		4	X	X		X	X	ff- field filtered
10 20 SB	4/16/2025	13:20		X			X		4	X	X		X	X	
10 0.05 MnOOH	4/16/2025	13:40		X			X		4	X	X		X	X	
10 0.1 MnOOH	4/16/2025	14:00		X			X		4	X	X		X	X	
10 1.0 MnOOH	4/16/2025	14:20		X			X		4	X	X		X	X	
10 0.05 Mn2O3	4/16/2025	14:40		X			X		4	X	X		X	X	
10 0.1 Mn2O3	4/16/2025	15:00		X			X		4	X	X		X	X	
10 1.0 Mn2O3	4/16/2025	15:20		X			X		4	X	X		X	X	
10 0.05 Mn(OH)2	4/16/2025	15:40		X			X		4	X	X		X	X	
10 0.1 Mn(OH)2	4/16/2025	16:00		X			X		4	X	X		X	X	
10 1.0 Mn(OH)2	4/16/2025	16:20		X			X		4	X	X		X	X	
10 0.05 KMnO4	4/16/2025	16:40		X			X		4	X	X		X	X	
10 0.1 KMnO4	4/16/2025	17:00		X			X		4	X	X		X	X	
10 1.0 KMnO4	4/16/2025	17:20		X			X		4	X	X		X	X	

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

For Lab Use Only: SF #: ___ SCR #: ___

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: 5/1/25

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address: mlee@terrasystems.net

Phone: 302-798-9553

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☐ No ☐ If yes, format: ___

	Date	Time	Received by:	Date	Time
Relinquished by: Michael Lee	4/17/25	15:10		4/17/25	1510
Relinquished by:	4/17/25	1717	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	4/17/25	1717

Relinquished by Commercial Carrier: UPS ___ FedEx ___ Other ___

Temperature upon receipt 20.8-20.8 °C

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Michael D Lee
Terra Systems Inc
130 Hickman Road
Suite 1
Claymont, Delaware 19703

Generated 7/17/2025 3:33:52 PM Revision 1

JOB DESCRIPTION

WSP Plant Scherer CCR TS

JOB NUMBER

410-218134-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
7/17/2025 3:33:52 PM
Revision 1

Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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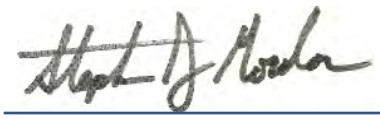


Table of Contents

Cover Page 1
Table of Contents 4
Definitions/Glossary 5
Case Narrative 6
Detection Summary 8
Client Sample Results 14
QC Sample Results 25
QC Association Summary 35
Lab Chronicle 41
Certification Summary 46
Method Summary 47
Sample Summary 48
Chain of Custody 49
Receipt Checklists 50

Definitions/Glossary

Client: Terra Systems Inc
Job ID: 410-218134-1
Project/Site: WSP Plant Scherer CCR TS

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
cn	Refer to Case Narrative for further detail
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-218134-1

REVISION

The report being provided is a revision of the original report sent on 5/20/2025. The report (revision 1) is being revised due to LCS data for selenium revised to report from the correct batch..

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 4/18/2025 3:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

Receipt Exceptions
Insufficient sample volume was provided for the following samples for the 6020 (Total), 6020 (Dissolved) and SO4 analysis: received sample containers half filled11 Control (410-218134-1), 11 20 SB (410-218134-2), 11 0.05 MnOOH (410-218134-3), 11 0.1 MnOOH (410-218134-4), 11 1.0 MnOOH (410-218134-5), 11 0.1 Mn2O3 (410-218134-7), 11 0.05 Mn(OH)2 (410-218134-9), 11 0.1 Mn(OH)2 (410-218134-10), 11 1.0 Mn(OH)2 (410-218134-11), 11 0.05 KMnO4 (410-218134-12), 11 0.1 KMnO4 (410-218134-13) and 11 1.0 KMnO4 (410-218134-14).

Insufficient sample volume was provided for the following samples for the 6020 (total) and SO4 analysis: received sample containers half filled 11 0.05 Mn2O3 (410-218134-6) and 11 1.0 Mn2O3 (410-218134-8).

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 11 20 SB (410-218134-2), 11 0.1 MnOOH (410-218134-4), 11 1.0 MnOOH (410-218134-5), 11 0.05 Mn2O3 (410-218134-6) and 11 1.0 Mn2O3 (410-218134-8). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 11 0.05 MnOOH (410-218134-3), 11 0.05 Mn(OH)2 (410-218134-9), 11 0.1 Mn(OH)2 (410-218134-10), 11 0.05 KMnO4 (410-218134-12) and 11 0.1 KMnO4 (410-218134-13). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 11 0.05 Mn(OH)2 (410-218134-9) and 11 0.05 KMnO4 (410-218134-12). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 11 1.0 KMnO4 (410-218134-14). The reporting limits (RLs) have been adjusted proportionately.

Method 6010D - Total Recoverable: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 7.0: 11 1.0 Mn2O3 (410-218134-8) and could not be adjusted. This does not meet regulatory requirements.

Method 6010D - Total Recoverable: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 11 20 SB (410-218134-2), 11 0.1 MnOOH (410-218134-4), 11 0.05 Mn2O3 (410-218134-6) and 11 0.05 Mn(OH)2 (410-218134-9). The reporting limits (RLs) have been adjusted proportionately.

Method 6010D - Total Recoverable: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 11 0.05 MnOOH (410-218134-3), 11 1.0 MnOOH (410-218134-5), 11 0.1 Mn(OH)2 (410-218134-10) and 11 1.0 KMnO4 (410-218134-14). The reporting limits (RLs) have been adjusted proportionately.

Method 6010D - Total Recoverable: The following samples were diluted due to the nature of the sample matrix: 11 20 SB (410-218134-2), 11 0.05 Mn2O3 (410-218134-6), 11 0.1 Mn2O3 (410-218134-7) and 11 0.05 Mn(OH)2 (410-218134-9). Elevated reporting limits (RLs) are provided.

Method 6010D - Total Recoverable: The following samples were diluted due to the nature of the sample matrix: 11 20 SB (410-218134-2), 11 0.1 MnOOH (410-218134-4), 11 0.05 Mn2O3 (410-218134-6), 11 0.1 Mn2O3 (410-218134-7) and 11 0.05 Mn(OH)2 (410-218134-9). Elevated reporting limits (RLs) are provided.

Method 6020B - Total Recoverable: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 11 0.05 MnOOH (410-218134-3), 11 1.0 MnOOH (410-218134-5), 11 0.1 Mn(OH)2 (410-218134-10) and 11 1.0 KMnO4 (410-218134-14). The reporting limits (RLs) have been adjusted proportionately.

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.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218134-1

Client Sample ID: 11 Control — Lab Sample ID: 410-218134-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	22		15	5.0	mg/L	10		EPA 300.0 R2.1	Total/NA
Chromium	48	J cn	75	15	ug/L	5		6010D	Total Recoverable
Cobalt	32	cn	25	7.5	ug/L	5		6010D	Total Recoverable
Iron	53000	cn	1000	400	ug/L	5		6010D	Total Recoverable
Magnesium	7100	cn	1000	400	ug/L	5		6010D	Total Recoverable
Manganese	440	cn	50	15	ug/L	5		6010D	Total Recoverable
Potassium	1300	J cn	5000	1300	ug/L	5		6010D	Total Recoverable
Sodium	8100	cn	5000	2000	ug/L	5		6010D	Total Recoverable
Cobalt	0.010		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.10		0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	2.0		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 20 SB — Lab Sample ID: 410-218134-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	37		15	5.0	mg/L	10		EPA 300.0 R2.1	Total/NA
Chromium	1500	J cn	3000	600	ug/L	20		6010D	Total Recoverable
Cobalt	1400	cn	1000	300	ug/L	20		6010D	Total Recoverable
Iron	1100000	cn	40000	16000	ug/L	20		6010D	Total Recoverable
Magnesium	270000	cn	40000	16000	ug/L	20		6010D	Total Recoverable
Manganese	18000	cn	2000	600	ug/L	20		6010D	Total Recoverable
Sodium	3400000	cn	200000	80000	ug/L	20		6010D	Total Recoverable
Cobalt	0.086	J cn	0.10	0.031	mg/L	20		6010D	Dissolved
Manganese	1.6		0.10	0.031	mg/L	10		6010D	Dissolved
Dissolved Organic Carbon	55		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.05 MnOOH — Lab Sample ID: 410-218134-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	21		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	1600	J	3000	600	ug/L	20		6010D	Total Recoverable
Cobalt	1200		1000	300	ug/L	20		6010D	Total Recoverable
Iron	1800000		40000	16000	ug/L	20		6010D	Total Recoverable
Magnesium	270000		40000	16000	ug/L	20		6010D	Total Recoverable
Manganese	24000		2000	600	ug/L	20		6010D	Total Recoverable
Sodium	3800000		200000	80000	ug/L	20		6010D	Total Recoverable
Cobalt	0.045	J cn	0.10	0.031	mg/L	20		6010D	Dissolved
Manganese	1.3	cn	0.21	0.062	mg/L	20		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: 11 0.05 MnOOH (Continued) — Lab Sample ID: 410-218134-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dissolved Organic Carbon	46		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.1 MnOOH — Lab Sample ID: 410-218134-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	18		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	400	J cn	750	150	ug/L	10		6010D	Total Recoverable
Cobalt	360	cn	250	75	ug/L	10		6010D	Total Recoverable
Iron	340000	cn	10000	4000	ug/L	10		6010D	Total Recoverable
Magnesium	100000	cn	10000	4000	ug/L	10		6010D	Total Recoverable
Manganese	8400	cn	500	150	ug/L	10		6010D	Total Recoverable
Potassium	15000	J cn	50000	13000	ug/L	10		6010D	Total Recoverable
Sodium	2200000	cn	50000	20000	ug/L	10		6010D	Total Recoverable
Cobalt	0.043	J cn	0.052	0.015	mg/L	10		6010D	Dissolved
Manganese	1.1	cn	0.10	0.031	mg/L	10		6010D	Dissolved
Dissolved Organic Carbon	61		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 1.0 MnOOH — Lab Sample ID: 410-218134-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	39		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	1200	J	1500	300	ug/L	10		6010D	Total Recoverable
Cobalt	1000		500	150	ug/L	10		6010D	Total Recoverable
Iron	1400000		20000	8000	ug/L	10		6010D	Total Recoverable
Magnesium	200000		20000	8000	ug/L	10		6010D	Total Recoverable
Manganese	98000		1000	300	ug/L	10		6010D	Total Recoverable
Sodium	4100000		100000	40000	ug/L	10		6010D	Total Recoverable
Cobalt	0.037	J cn	0.10	0.031	mg/L	20		6010D	Dissolved
Manganese	0.79		0.10	0.031	mg/L	10		6010D	Dissolved
Dissolved Organic Carbon	40		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.05 Mn2O3 — Lab Sample ID: 410-218134-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	32	F1	7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	290	J cn	750	150	ug/L	5		6010D	Total Recoverable
Cobalt	310	cn	250	75	ug/L	5		6010D	Total Recoverable
Iron	430000	cn	10000	4000	ug/L	5		6010D	Total Recoverable
Magnesium	110000	cn	10000	4000	ug/L	5		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 11 0.05 Mn2O3 (Continued) — Lab Sample ID: 410-218134-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	12000	cn	500	150	ug/L	5		6010D	Total Recoverable
Potassium	13000	J cn	50000	13000	ug/L	5		6010D	Total Recoverable
Sodium	3200000	cn	50000	20000	ug/L	5		6010D	Total Recoverable
Chromium	0.30	J cn	0.31	0.062	mg/L	20		6010D	Dissolved
Cobalt	0.052	cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.9	cn	0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	47		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.1 Mn2O3 — Lab Sample ID: 410-218134-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	23		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	23	J cn	75	15	ug/L	5		6010D	Total Recoverable
Cobalt	45	cn	25	7.5	ug/L	5		6010D	Total Recoverable
Iron	21000	cn	1000	400	ug/L	5		6010D	Total Recoverable
Magnesium	64000	cn	1000	400	ug/L	5		6010D	Total Recoverable
Manganese	1500	cn	50	15	ug/L	5		6010D	Total Recoverable
Sodium	2700000	cn	10000	4000	ug/L	10		6010D	Total Recoverable
Chromium	0.058	J	0.077	0.015	mg/L	1		6010D	Dissolved
Manganese	66		0.052	0.015	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	38		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 1.0 Mn2O3 — Lab Sample ID: 410-218134-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	25		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	200	J cn	750	150	ug/L	10		6010D	Total Recoverable
Cobalt	170	J cn	250	75	ug/L	10		6010D	Total Recoverable
Iron	280000	cn	10000	4000	ug/L	10		6010D	Total Recoverable
Magnesium	70000	cn	10000	4000	ug/L	10		6010D	Total Recoverable
Manganese	39000	cn	500	150	ug/L	10		6010D	Total Recoverable
Sodium	2400000	cn	50000	20000	ug/L	10		6010D	Total Recoverable
Cobalt	0.037	J cn	0.052	0.015	mg/L	10		6010D	Dissolved
Manganese	0.62	cn	0.10	0.031	mg/L	10		6010D	Dissolved
Dissolved Organic Carbon	47		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.05 Mn(OH)2 — Lab Sample ID: 410-218134-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	34		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 11 0.05 Mn(OH)2 (Continued) — Lab Sample ID: 410-218134-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	150	J cn	380	75	ug/L	5		6010D	Total Recoverable
Cobalt	150	cn	130	38	ug/L	5		6010D	Total Recoverable
Iron	140000	cn	5000	2000	ug/L	5		6010D	Total Recoverable
Magnesium	100000	cn	5000	2000	ug/L	5		6010D	Total Recoverable
Manganese	4800	cn	250	75	ug/L	5		6010D	Total Recoverable
Sodium	2800000	cn	25000	10000	ug/L	5		6010D	Total Recoverable
Cobalt	0.077	J cn	0.10	0.031	mg/L	20		6010D	Dissolved
Manganese	1.8	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	35		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.1 Mn(OH)2 — Lab Sample ID: 410-218134-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	19		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	600	J	1500	300	ug/L	10		6010D	Total Recoverable
Cobalt	780		500	150	ug/L	10		6010D	Total Recoverable
Iron	990000		20000	8000	ug/L	10		6010D	Total Recoverable
Magnesium	180000		20000	8000	ug/L	10		6010D	Total Recoverable
Manganese	24000		1000	300	ug/L	10		6010D	Total Recoverable
Sodium	3500000		100000	40000	ug/L	10		6010D	Total Recoverable
Cobalt	0.033	J cn	0.10	0.031	mg/L	20		6010D	Dissolved
Manganese	0.99	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	36		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 1.0 Mn(OH)2 — Lab Sample ID: 410-218134-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	21		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	88	cn	75	15	ug/L	5		6010D	Total Recoverable
Cobalt	100	cn	50	15	ug/L	10		6010D	Total Recoverable
Iron	110000	cn	1000	400	ug/L	5		6010D	Total Recoverable
Magnesium	41000	cn	1000	400	ug/L	5		6010D	Total Recoverable
Manganese	17000	cn	50	15	ug/L	5		6010D	Total Recoverable
Potassium	3000	J cn	5000	1300	ug/L	5		6010D	Total Recoverable
Sodium	1500000	cn	5000	2000	ug/L	5		6010D	Total Recoverable
Chromium	0.014	J	0.015	0.0031	mg/L	1		6010D	Dissolved
Cobalt	0.013		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.32		0.010	0.0031	mg/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: 11 1.0 Mn(OH)2 (Continued) — Lab Sample ID: 410-218134-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dissolved Organic Carbon	43		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.05 KMnO4 — Lab Sample ID: 410-218134-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	35		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	56	J	75	15	ug/L	5		6010D	Total Recoverable
Cobalt	30		25	7.5	ug/L	5		6010D	Total Recoverable
Iron	55000		1000	400	ug/L	5		6010D	Total Recoverable
Magnesium	55000		1000	400	ug/L	5		6010D	Total Recoverable
Manganese	1100		50	15	ug/L	5		6010D	Total Recoverable
Potassium	3400	J	10000	2500	ug/L	10		6010D	Total Recoverable
Sodium	3100000		10000	4000	ug/L	10		6010D	Total Recoverable
Manganese	0.47	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	29		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 0.1 KMnO4 — Lab Sample ID: 410-218134-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	19		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Chromium	5.0	J	15	3.0	ug/L	1		6010D	Total Recoverable
Cobalt	2.8	J	5.0	1.5	ug/L	1		6010D	Total Recoverable
Iron	5400		200	80	ug/L	1		6010D	Total Recoverable
Magnesium	6300		200	80	ug/L	1		6010D	Total Recoverable
Manganese	300		10	3.0	ug/L	1		6010D	Total Recoverable
Potassium	510	J	1000	250	ug/L	1		6010D	Total Recoverable
Sodium	270000		1000	400	ug/L	1		6010D	Total Recoverable
Manganese	0.31	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	38		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 11 1.0 KMnO4 — Lab Sample ID: 410-218134-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	20		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Iron	60000	cn	10000	4000	ug/L	5		6010D	Total Recoverable
Magnesium	58000	cn	10000	4000	ug/L	5		6010D	Total Recoverable
Manganese	100000	cn	500	150	ug/L	5		6010D	Total Recoverable
Potassium	17000	J cn	50000	13000	ug/L	5		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 11 1.0 KMnO4 (Continued)

Lab Sample ID: 410-218134-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	2300000	cn	50000	20000	ug/L	5		6010D	Total Recoverable
Chromium	0.033	J	0.15	0.031	mg/L	1		6010D	Dissolved
Manganese	73		0.10	0.031	mg/L	1		6010D	Dissolved
Cobalt	34	cn	5.0	1.6	ug/L	1		6020B	Total Recoverable
Dissolved Organic Carbon	4.1		1.0	0.50	mg/L	1		5310C-2014	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: 11 Control

Lab Sample ID: 410-218134-1

Date Collected: 04/17/25 08:00

Matrix: Water

Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**22**		15	5.0	mg/L			05/01/25 15:32	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<80	cn	250	80	ug/L		04/29/25 21:00	04/30/25 10:02	5
Beryllium	<5.0	cn	25	5.0	ug/L		04/29/25 21:00	04/30/25 10:02	5
Cadmium	<5.0	cn	25	5.0	ug/L		04/29/25 21:00	04/30/25 10:02	5
Chromium	**48**	**J cn**	75	15	ug/L		04/29/25 21:00	04/30/25 10:02	5
Cobalt	**32**	**cn**	25	7.5	ug/L		04/29/25 21:00	04/30/25 10:02	5
Iron	**53000**	**cn**	1000	400	ug/L		04/29/25 21:00	04/30/25 10:02	5
Lithium	<55	cn	250	55	ug/L		04/29/25 21:00	04/30/25 10:02	5
Magnesium	**7100**	**cn**	1000	400	ug/L		04/29/25 21:00	04/30/25 10:02	5
Manganese	**440**	**cn**	50	15	ug/L		04/29/25 21:00	04/30/25 10:02	5
Molybdenum	<10	cn	50	10	ug/L		04/29/25 21:00	04/30/25 10:02	5
Potassium	**1300**	**J cn**	5000	1300	ug/L		04/29/25 21:00	04/30/25 10:02	5
Selenium	<80	cn	250	80	ug/L		04/29/25 21:00	04/30/25 10:02	5
Sodium	**8100**	**cn**	5000	2000	ug/L		04/29/25 21:00	04/30/25 10:02	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:21	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:21	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:21	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/28/25 12:11	04/28/25 19:21	1
Cobalt	**0.010**		0.0052	0.0015	mg/L		04/28/25 12:11	04/28/25 19:21	1
Lithium	<0.011		0.052	0.011	mg/L		04/28/25 12:11	04/28/25 19:21	1
Manganese	**0.10**		0.010	0.0031	mg/L		04/28/25 12:11	04/28/25 19:21	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/28/25 12:11	04/28/25 19:21	1
Selenium	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:21	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**2.0**		1.0	0.50	mg/L			04/24/25 02:14	1

Client Sample ID: 11 20 SB

Lab Sample ID: 410-218134-2

Date Collected: 04/17/25 08:20

Matrix: Water

Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**37**		15	5.0	mg/L			05/01/25 16:49	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3200	cn	10000	3200	ug/L		04/28/25 21:00	04/30/25 10:21	20
Beryllium	<200	cn	1000	200	ug/L		04/28/25 21:00	04/29/25 18:19	20
Cadmium	<200	cn	1000	200	ug/L		04/28/25 21:00	04/29/25 18:19	20
Chromium	**1500**	**J cn**	3000	600	ug/L		04/28/25 21:00	04/29/25 18:19	20
Cobalt	**1400**	**cn**	1000	300	ug/L		04/28/25 21:00	04/29/25 18:19	20
Iron	**1100000**	**cn**	40000	16000	ug/L		04/28/25 21:00	04/29/25 18:19	20

Client Sample ID: 11 20 SB

Date Collected: 04/17/25 08:20
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-2
Matrix: Water

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<2200	cn	10000	2200	ug/L		04/28/25 21:00	04/29/25 18:19	20
Magnesium	**270000**	**cn**	40000	16000	ug/L		04/28/25 21:00	04/29/25 18:19	20
Manganese	**18000**	**cn**	2000	600	ug/L		04/28/25 21:00	04/29/25 18:19	20
Molybdenum	<400	cn	2000	400	ug/L		04/28/25 21:00	04/29/25 18:19	20
Potassium	<50000	cn	200000	50000	ug/L		04/28/25 21:00	04/29/25 18:19	20
Selenium	<3200	cn	10000	3200	ug/L		04/28/25 21:00	04/29/25 18:19	20
Sodium	**3400000**	**cn**	200000	80000	ug/L		04/28/25 21:00	04/29/25 18:19	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33	cn	1.0	0.33	mg/L		04/29/25 10:00	04/29/25 21:51	20
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/29/25 10:00	04/29/25 21:51	20
Cadmium	<0.021	cn	0.10	0.021	mg/L		04/29/25 10:00	04/29/25 21:51	20
Chromium	<0.062	cn	0.31	0.062	mg/L		04/29/25 10:00	04/29/25 21:51	20
Cobalt	**0.086**	**J cn**	0.10	0.031	mg/L		04/29/25 10:00	04/29/25 21:51	20
Lithium	<0.23	cn	1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:51	20
Manganese	**1.6**		0.10	0.031	mg/L		04/29/25 10:00	04/30/25 10:42	10
Molybdenum	<0.041	cn	0.21	0.041	mg/L		04/29/25 10:00	04/29/25 21:51	20
Selenium	<0.33	cn	1.0	0.33	mg/L		04/29/25 10:00	04/29/25 21:51	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**55**		1.0	0.50	mg/L			04/24/25 02:32	1

Client Sample ID: 11 0.05 MnOOH

Date Collected: 04/17/25 08:40
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-3
Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**21**		7.5	2.5	mg/L			05/02/25 06:03	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3200		10000	3200	ug/L		04/29/25 21:00	04/30/25 20:06	20
Beryllium	<200		1000	200	ug/L		04/29/25 21:00	04/30/25 20:06	20
Cadmium	<200		1000	200	ug/L		04/29/25 21:00	04/30/25 20:06	20
Chromium	**1600**	**J**	3000	600	ug/L		04/29/25 21:00	04/30/25 20:06	20
Cobalt	**1200**		1000	300	ug/L		04/29/25 21:00	04/30/25 20:06	20
Iron	**1800000**		40000	16000	ug/L		04/29/25 21:00	04/30/25 20:06	20
Lithium	<2200		10000	2200	ug/L		04/29/25 21:00	04/30/25 20:06	20
Magnesium	**270000**		40000	16000	ug/L		04/29/25 21:00	04/30/25 20:06	20
Manganese	**24000**		2000	600	ug/L		04/29/25 21:00	04/30/25 20:06	20
Molybdenum	<400		2000	400	ug/L		04/29/25 21:00	04/30/25 20:06	20
Potassium	<50000		200000	50000	ug/L		04/29/25 21:00	04/30/25 20:06	20
Selenium	<3200		10000	3200	ug/L		04/29/25 21:00	04/30/25 20:06	20
Sodium	**3800000**		200000	80000	ug/L		04/29/25 21:00	04/30/25 20:06	20

Client Sample ID: 11 0.05 MnOOH

Lab Sample ID: 410-218134-3

Date Collected: 04/17/25 08:40
Matrix: Water
Date Received: 04/18/25 15:33

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 21:18	20
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 21:18	20
Cadmium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 21:18	20
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	04/30/25 21:18	20
Cobalt	**0.045**	**J cn**	0.10	0.031	mg/L		04/30/25 09:30	04/30/25 21:18	20
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 21:18	20
Manganese	**1.3**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	04/30/25 21:18	20
Molybdenum	<0.041	cn	0.21	0.041	mg/L		04/30/25 09:30	04/30/25 21:18	20
Selenium	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 21:18	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**46**		1.0	0.50	mg/L			04/24/25 02:49	1

Client Sample ID: 11 0.1 MnOOH

Lab Sample ID: 410-218134-4

Date Collected: 04/17/25 09:00
Matrix: Water
Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**18**		7.5	2.5	mg/L			05/02/25 12:13	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<800	cn	2500	800	ug/L		04/28/25 21:00	04/30/25 10:11	10
Beryllium	<50	cn	250	50	ug/L		04/28/25 21:00	04/30/25 10:11	10
Cadmium	<50	cn	250	50	ug/L		04/28/25 21:00	04/30/25 10:11	10
Chromium	**400**	**J cn**	750	150	ug/L		04/28/25 21:00	04/30/25 10:11	10
Cobalt	**360**	**cn**	250	75	ug/L		04/28/25 21:00	04/30/25 10:11	10
Iron	**340000**	**cn**	10000	4000	ug/L		04/28/25 21:00	04/30/25 10:11	10
Lithium	<550	cn	2500	550	ug/L		04/28/25 21:00	04/30/25 10:11	10
Magnesium	**100000**	**cn**	10000	4000	ug/L		04/28/25 21:00	04/30/25 10:11	10
Manganese	**8400**	**cn**	500	150	ug/L		04/28/25 21:00	04/30/25 10:11	10
Molybdenum	<100	cn	500	100	ug/L		04/28/25 21:00	04/30/25 10:11	10
Potassium	**15000**	**J cn**	50000	13000	ug/L		04/28/25 21:00	04/30/25 10:11	10
Selenium	<800	cn	2500	800	ug/L		04/28/25 21:00	04/30/25 10:11	10
Sodium	**2200000**	**cn**	50000	20000	ug/L		04/28/25 21:00	04/30/25 10:11	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16	cn	0.52	0.16	mg/L		04/29/25 10:00	04/30/25 11:11	10
Beryllium	<0.010	cn	0.052	0.010	mg/L		04/29/25 10:00	04/30/25 11:11	10
Cadmium	<0.010	cn	0.052	0.010	mg/L		04/29/25 10:00	04/30/25 11:11	10
Chromium	<0.031	cn	0.15	0.031	mg/L		04/29/25 10:00	04/30/25 11:11	10
Cobalt	**0.043**	**J cn**	0.052	0.015	mg/L		04/29/25 10:00	04/30/25 11:11	10
Lithium	<0.11	cn	0.52	0.11	mg/L		04/29/25 10:00	04/30/25 11:11	10
Manganese	**1.1**	**cn**	0.10	0.031	mg/L		04/29/25 10:00	04/30/25 11:11	10
Molybdenum	<0.021	cn	0.10	0.021	mg/L		04/29/25 10:00	04/30/25 11:11	10
Selenium	<0.16	cn	0.52	0.16	mg/L		04/29/25 10:00	04/30/25 11:11	10

Client Sample ID: 11 0.1 MnOOH

Lab Sample ID: 410-218134-4

Date Collected: 04/17/25 09:00
Matrix: Water
Date Received: 04/18/25 15:33

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	61		1.0	0.50	mg/L			04/24/25 03:07	1

Client Sample ID: 11 1.0 MnOOH

Lab Sample ID: 410-218134-5

Date Collected: 04/17/25 09:20
Matrix: Water
Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	39		7.5	2.5	mg/L			05/02/25 14:24	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<1600		5000	1600	ug/L		04/29/25 21:00	04/30/25 18:35	10
Beryllium	<100		500	100	ug/L		04/29/25 21:00	04/30/25 18:35	10
Cadmium	<100		500	100	ug/L		04/29/25 21:00	04/30/25 18:35	10
Chromium	1200	J	1500	300	ug/L		04/29/25 21:00	04/30/25 18:35	10
Cobalt	1000		500	150	ug/L		04/29/25 21:00	04/30/25 18:35	10
Iron	1400000		20000	8000	ug/L		04/29/25 21:00	04/30/25 18:35	10
Lithium	<1100		5000	1100	ug/L		04/29/25 21:00	04/30/25 18:35	10
Magnesium	200000		20000	8000	ug/L		04/29/25 21:00	04/30/25 18:35	10
Manganese	98000		1000	300	ug/L		04/29/25 21:00	04/30/25 18:35	10
Molybdenum	<200		1000	200	ug/L		04/29/25 21:00	04/30/25 18:35	10
Potassium	<25000		100000	25000	ug/L		04/29/25 21:00	04/30/25 18:35	10
Selenium	<1600		5000	1600	ug/L		04/29/25 21:00	04/30/25 18:35	10
Sodium	4100000		100000	40000	ug/L		04/29/25 21:00	04/30/25 18:35	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33	cn	1.0	0.33	mg/L		04/29/25 10:00	04/29/25 21:44	20
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/29/25 10:00	04/29/25 21:44	20
Cadmium	<0.021	cn	0.10	0.021	mg/L		04/29/25 10:00	04/29/25 21:44	20
Chromium	<0.062	cn	0.31	0.062	mg/L		04/29/25 10:00	04/29/25 21:44	20
Cobalt	0.037	J cn	0.10	0.031	mg/L		04/29/25 10:00	04/29/25 21:44	20
Lithium	<0.23	cn	1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:44	20
Manganese	0.79		0.10	0.031	mg/L		04/29/25 10:00	04/30/25 10:36	10
Molybdenum	<0.041	cn	0.21	0.041	mg/L		04/29/25 10:00	04/29/25 21:44	20
Selenium	<0.33	cn	1.0	0.33	mg/L		04/29/25 10:00	04/29/25 21:44	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	40		1.0	0.50	mg/L			04/24/25 03:59	1

Client Sample ID: 11 0.05 Mn2O3

Lab Sample ID: 410-218134-6

Date Collected: 04/17/25 09:40
Matrix: Water
Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	32	F1	7.5	2.5	mg/L			05/02/25 14:41	5

Client Sample ID: 11 0.05 Mn2O3

Lab Sample ID: 410-218134-6

Date Collected: 04/17/25 09:40

Matrix: Water

Date Received: 04/18/25 15:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<800	cn	2500	800	ug/L		04/28/25 21:00	04/30/25 10:17	5
Beryllium	<50	cn	250	50	ug/L		04/28/25 21:00	04/29/25 18:13	5
Cadmium	<50	cn	250	50	ug/L		04/28/25 21:00	04/29/25 18:13	5
Chromium	**290**	**J cn**	750	150	ug/L		04/28/25 21:00	04/29/25 18:13	5
Cobalt	**310**	**cn**	250	75	ug/L		04/28/25 21:00	04/29/25 18:13	5
Iron	**430000**	**cn**	10000	4000	ug/L		04/28/25 21:00	04/29/25 18:13	5
Lithium	<550	cn	2500	550	ug/L		04/28/25 21:00	04/29/25 18:13	5
Magnesium	**110000**	**cn**	10000	4000	ug/L		04/28/25 21:00	04/29/25 18:13	5
Manganese	**12000**	**cn**	500	150	ug/L		04/28/25 21:00	04/29/25 18:13	5
Molybdenum	<100	cn	500	100	ug/L		04/28/25 21:00	04/29/25 18:13	5
Potassium	**13000**	**J cn**	50000	13000	ug/L		04/28/25 21:00	04/29/25 18:13	5
Selenium	<800	cn	2500	800	ug/L		04/28/25 21:00	04/29/25 18:13	5
Sodium	**3200000**	**cn**	50000	20000	ug/L		04/28/25 21:00	04/29/25 18:13	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:05	1
Beryllium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:05	1
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:05	1
Chromium	**0.30**	**J cn**	0.31	0.062	mg/L		04/29/25 10:00	04/29/25 21:41	20
Cobalt	**0.052**	**cn**	0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 21:05	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:41	20
Manganese	**1.9**	**cn**	0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 21:05	1
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 21:05	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:05	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**47**		1.0	0.50	mg/L			04/24/25 04:17	1

Client Sample ID: 11 0.1 Mn2O3

Lab Sample ID: 410-218134-7

Date Collected: 04/17/25 10:00

Matrix: Water

Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**23**		7.5	2.5	mg/L			05/02/25 03:43	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<80	cn	250	80	ug/L		04/28/25 21:00	04/30/25 10:14	5
Beryllium	<5.0	cn	25	5.0	ug/L		04/28/25 21:00	04/29/25 18:10	5
Cadmium	<5.0	cn	25	5.0	ug/L		04/28/25 21:00	04/29/25 18:10	5
Chromium	**23**	**J cn**	75	15	ug/L		04/28/25 21:00	04/29/25 18:10	5
Cobalt	**45**	**cn**	25	7.5	ug/L		04/28/25 21:00	04/29/25 18:10	5
Iron	**21000**	**cn**	1000	400	ug/L		04/28/25 21:00	04/29/25 18:10	5
Lithium	<55	cn	250	55	ug/L		04/28/25 21:00	04/29/25 18:10	5
Magnesium	**64000**	**cn**	1000	400	ug/L		04/28/25 21:00	04/29/25 18:10	5
Manganese	**1500**	**cn**	50	15	ug/L		04/28/25 21:00	04/29/25 18:10	5
Molybdenum	<10	cn	50	10	ug/L		04/28/25 21:00	04/29/25 18:10	5

Client Sample ID: 11 0.1 Mn2O3

Lab Sample ID: 410-218134-7

Date Collected: 04/17/25 10:00
Matrix: Water
Date Received: 04/18/25 15:33

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<2500	cn	10000	2500	ug/L		04/28/25 21:00	04/29/25 18:22	10
Selenium	<80	cn	250	80	ug/L		04/28/25 21:00	04/29/25 18:10	5
Sodium	**2700000**	**cn**	10000	4000	ug/L		04/28/25 21:00	04/29/25 18:22	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.082		0.26	0.082	mg/L		04/29/25 10:00	04/29/25 20:25	1
Beryllium	<0.0052		0.026	0.0052	mg/L		04/29/25 10:00	04/29/25 20:25	1
Cadmium	<0.0052		0.026	0.0052	mg/L		04/29/25 10:00	04/29/25 20:25	1
Chromium	**0.058**	**J**	0.077	0.015	mg/L		04/29/25 10:00	04/29/25 20:25	1
Cobalt	<0.0077		0.026	0.0077	mg/L		04/29/25 10:00	04/29/25 20:25	1
Lithium	<0.057		0.26	0.057	mg/L		04/29/25 10:00	04/29/25 20:25	1
Manganese	**66**		0.052	0.015	mg/L		04/29/25 10:00	04/29/25 20:25	1
Molybdenum	<0.010		0.052	0.010	mg/L		04/29/25 10:00	04/29/25 20:25	1
Selenium	<0.082		0.26	0.082	mg/L		04/29/25 10:00	04/29/25 20:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**38**		1.0	0.50	mg/L			04/24/25 04:34	1

Client Sample ID: 11 1.0 Mn2O3

Lab Sample ID: 410-218134-8

Date Collected: 04/17/25 10:20
Matrix: Water
Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**25**		7.5	2.5	mg/L			05/02/25 04:03	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<800	cn	2500	800	ug/L		04/30/25 06:55	04/30/25 19:56	10
Beryllium	<50	cn	250	50	ug/L		04/30/25 06:55	04/30/25 19:56	10
Cadmium	<50	cn	250	50	ug/L		04/30/25 06:55	04/30/25 19:56	10
Chromium	**200**	**J cn**	750	150	ug/L		04/30/25 06:55	04/30/25 19:56	10
Cobalt	**170**	**J cn**	250	75	ug/L		04/30/25 06:55	04/30/25 19:56	10
Iron	**280000**	**cn**	10000	4000	ug/L		04/30/25 06:55	04/30/25 19:56	10
Lithium	<550	cn	2500	550	ug/L		04/30/25 06:55	04/30/25 19:56	10
Magnesium	**70000**	**cn**	10000	4000	ug/L		04/30/25 06:55	04/30/25 19:56	10
Manganese	**39000**	**cn**	500	150	ug/L		04/30/25 06:55	04/30/25 19:56	10
Molybdenum	<100	cn	500	100	ug/L		04/30/25 06:55	04/30/25 19:56	10
Potassium	<13000	cn	50000	13000	ug/L		04/30/25 06:55	04/30/25 19:56	10
Selenium	<800	cn	2500	800	ug/L		04/30/25 06:55	04/30/25 19:56	10
Sodium	**2400000**	**cn**	50000	20000	ug/L		04/30/25 06:55	04/30/25 19:56	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16	cn	0.52	0.16	mg/L		04/29/25 10:00	04/30/25 11:07	10
Beryllium	<0.010	cn	0.052	0.010	mg/L		04/29/25 10:00	04/30/25 11:07	10
Cadmium	<0.010	cn	0.052	0.010	mg/L		04/29/25 10:00	04/30/25 11:07	10
Chromium	<0.031	cn	0.15	0.031	mg/L		04/29/25 10:00	04/30/25 11:07	10

Client Sample ID: 11 1.0 Mn2O3

Lab Sample ID: 410-218134-8

Date Collected: 04/17/25 10:20

Matrix: Water

Date Received: 04/18/25 15:33

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.037**	**J cn**	0.052	0.015	mg/L		04/29/25 10:00	04/30/25 11:07	10
Lithium	<0.11	cn	0.52	0.11	mg/L		04/29/25 10:00	04/30/25 11:07	10
Manganese	**0.62**	**cn**	0.10	0.031	mg/L		04/29/25 10:00	04/30/25 11:07	10
Molybdenum	<0.021	cn	0.10	0.021	mg/L		04/29/25 10:00	04/30/25 11:07	10
Selenium	<0.16	cn	0.52	0.16	mg/L		04/29/25 10:00	04/30/25 11:07	10

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**47**		1.0	0.50	mg/L			04/24/25 05:27	1

Client Sample ID: 11 0.05 Mn(OH)2

Lab Sample ID: 410-218134-9

Date Collected: 04/17/25 10:40

Matrix: Water

Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**34**		7.5	2.5	mg/L			05/02/25 14:15	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<400	cn	1300	400	ug/L		04/28/25 21:00	04/30/25 10:08	5
Beryllium	<25	cn	130	25	ug/L		04/28/25 21:00	04/29/25 18:01	5
Cadmium	<25	cn	130	25	ug/L		04/28/25 21:00	04/29/25 18:01	5
Chromium	**150**	**J cn**	380	75	ug/L		04/28/25 21:00	04/29/25 18:01	5
Cobalt	**150**	**cn**	130	38	ug/L		04/28/25 21:00	04/29/25 18:01	5
Iron	**140000**	**cn**	5000	2000	ug/L		04/28/25 21:00	04/29/25 18:01	5
Lithium	<280	cn	1300	280	ug/L		04/28/25 21:00	04/29/25 18:01	5
Magnesium	**100000**	**cn**	5000	2000	ug/L		04/28/25 21:00	04/29/25 18:01	5
Manganese	**4800**	**cn**	250	75	ug/L		04/28/25 21:00	04/29/25 18:01	5
Molybdenum	<50	cn	250	50	ug/L		04/28/25 21:00	04/29/25 18:01	5
Potassium	<6300	cn	25000	6300	ug/L		04/28/25 21:00	04/29/25 18:01	5
Selenium	<400	cn	1300	400	ug/L		04/28/25 21:00	04/29/25 18:01	5
Sodium	**2800000**	**cn**	25000	10000	ug/L		04/28/25 21:00	04/29/25 18:01	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 22:47	20
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	05/01/25 10:45	20
Cadmium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 22:47	20
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	05/01/25 10:45	20
Cobalt	**0.077**	**J cn**	0.10	0.031	mg/L		04/30/25 09:30	04/30/25 22:47	20
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 22:47	20
Manganese	**1.8**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	05/01/25 10:45	20
Molybdenum	<0.041	cn	0.21	0.041	mg/L		04/30/25 09:30	04/30/25 22:47	20
Selenium	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 22:47	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**35**		1.0	0.50	mg/L			04/24/25 05:45	1

Client Sample ID: 11 0.1 Mn(OH)2

Lab Sample ID: 410-218134-10

Date Collected: 04/17/25 11:00
Matrix: Water
Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**19**		7.5	2.5	mg/L			05/02/25 12:03	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<1600		5000	1600	ug/L		04/29/25 21:00	04/30/25 20:47	10
Beryllium	<100		500	100	ug/L		04/29/25 21:00	04/30/25 20:47	10
Cadmium	<100		500	100	ug/L		04/29/25 21:00	04/30/25 20:47	10
Chromium	**600**	**J**	1500	300	ug/L		04/29/25 21:00	04/30/25 20:47	10
Cobalt	**780**		500	150	ug/L		04/29/25 21:00	04/30/25 20:47	10
Iron	**990000**		20000	8000	ug/L		04/29/25 21:00	04/30/25 20:47	10
Lithium	<1100		5000	1100	ug/L		04/29/25 21:00	04/30/25 20:47	10
Magnesium	**180000**		20000	8000	ug/L		04/29/25 21:00	04/30/25 20:47	10
Manganese	**24000**		1000	300	ug/L		04/29/25 21:00	04/30/25 20:47	10
Molybdenum	<200		1000	200	ug/L		04/29/25 21:00	04/30/25 20:47	10
Potassium	<25000		100000	25000	ug/L		04/29/25 21:00	04/30/25 20:47	10
Selenium	<1600		5000	1600	ug/L		04/29/25 21:00	04/30/25 20:47	10
Sodium	**3500000**		100000	40000	ug/L		04/29/25 21:00	04/30/25 20:47	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 20:31	20
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 20:31	20
Cadmium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 20:31	20
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	04/30/25 20:31	20
Cobalt	**0.033**	**J cn**	0.10	0.031	mg/L		04/30/25 09:30	04/30/25 20:31	20
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 20:31	20
Manganese	**0.99**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	04/30/25 20:31	20
Molybdenum	<0.041	cn	0.21	0.041	mg/L		04/30/25 09:30	04/30/25 20:31	20
Selenium	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 20:31	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**36**		1.0	0.50	mg/L			04/24/25 06:02	1

Client Sample ID: 11 1.0 Mn(OH)2

Lab Sample ID: 410-218134-11

Date Collected: 04/17/25 11:20
Matrix: Water
Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**21**		7.5	2.5	mg/L			05/02/25 04:23	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<160	cn	500	160	ug/L		04/29/25 21:00	04/30/25 18:32	10
Beryllium	<5.0	cn	25	5.0	ug/L		04/29/25 21:00	04/30/25 09:59	5
Cadmium	<10	cn	50	10	ug/L		04/29/25 21:00	04/30/25 18:32	10
Chromium	**88**	**cn**	75	15	ug/L		04/29/25 21:00	04/30/25 09:59	5
Cobalt	**100**	**cn**	50	15	ug/L		04/29/25 21:00	04/30/25 18:32	10
Iron	**110000**	**cn**	1000	400	ug/L		04/29/25 21:00	04/30/25 09:59	5

Client Sample ID: 11 1.0 Mn(OH)2

Date Collected: 04/17/25 11:20
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-11

Matrix: Water

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<55	cn	250	55	ug/L		04/29/25 21:00	04/30/25 09:59	5
Magnesium	**41000**	**cn**	1000	400	ug/L		04/29/25 21:00	04/30/25 09:59	5
Manganese	**17000**	**cn**	50	15	ug/L		04/29/25 21:00	04/30/25 09:59	5
Molybdenum	<20	cn	100	20	ug/L		04/29/25 21:00	04/30/25 18:32	10
Potassium	**3000**	**J cn**	5000	1300	ug/L		04/29/25 21:00	04/30/25 09:59	5
Selenium	<160	cn	500	160	ug/L		04/29/25 21:00	04/30/25 18:32	10
Sodium	**1500000**	**cn**	5000	2000	ug/L		04/29/25 21:00	04/30/25 09:59	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:18	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:18	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:18	1
Chromium	**0.014**	**J**	0.015	0.0031	mg/L		04/28/25 12:11	04/28/25 19:18	1
Cobalt	**0.013**		0.0052	0.0015	mg/L		04/28/25 12:11	04/28/25 19:18	1
Lithium	<0.057		0.26	0.057	mg/L		04/28/25 12:11	04/29/25 08:44	5
Manganese	**0.32**		0.010	0.0031	mg/L		04/28/25 12:11	04/28/25 19:18	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/28/25 12:11	04/28/25 19:18	1
Selenium	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:18	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**43**		1.0	0.50	mg/L			04/24/25 06:20	1

Client Sample ID: 11 0.05 KMnO4

Date Collected: 04/17/25 11:40
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-12

Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**35**		7.5	2.5	mg/L			05/02/25 14:33	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<80		250	80	ug/L		04/28/25 06:48	04/28/25 20:35	5
Beryllium	<5.0		25	5.0	ug/L		04/28/25 06:48	04/28/25 20:35	5
Cadmium	<5.0		25	5.0	ug/L		04/28/25 06:48	04/28/25 20:35	5
Chromium	**56**	**J**	75	15	ug/L		04/28/25 06:48	04/28/25 20:35	5
Cobalt	**30**		25	7.5	ug/L		04/28/25 06:48	04/28/25 20:35	5
Iron	**55000**		1000	400	ug/L		04/28/25 06:48	04/28/25 20:35	5
Lithium	<55		250	55	ug/L		04/28/25 06:48	04/28/25 20:35	5
Magnesium	**55000**		1000	400	ug/L		04/28/25 06:48	04/28/25 22:03	5
Manganese	**1100**		50	15	ug/L		04/28/25 06:48	04/28/25 22:03	5
Molybdenum	<10		50	10	ug/L		04/28/25 06:48	04/28/25 20:35	5
Potassium	**3400**	**J**	10000	2500	ug/L		04/28/25 06:48	04/28/25 23:28	10
Selenium	<80		250	80	ug/L		04/28/25 06:48	04/28/25 20:35	5
Sodium	**3100000**		10000	4000	ug/L		04/28/25 06:48	04/28/25 23:28	10

Client Sample ID: 11 0.05 KMnO4

Date Collected: 04/17/25 11:40
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-12
Matrix: Water

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 22:40	20
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	05/01/25 10:42	20
Cadmium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 22:40	20
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	05/01/25 10:42	20
Cobalt	<0.031	cn	0.10	0.031	mg/L		04/30/25 09:30	04/30/25 22:40	20
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 22:40	20
Manganese	**0.47**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	05/01/25 10:42	20
Molybdenum	<0.041	cn	0.21	0.041	mg/L		04/30/25 09:30	04/30/25 22:40	20
Selenium	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 22:40	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**29**		1.0	0.50	mg/L			04/24/25 06:38	1

Client Sample ID: 11 0.1 KMnO4

Date Collected: 04/17/25 12:00
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-13
Matrix: Water

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**19**		7.5	2.5	mg/L			05/02/25 11:53	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<16		50	16	ug/L		05/16/25 07:02	05/16/25 16:03	1
Beryllium	<1.0		5.0	1.0	ug/L		05/16/25 07:02	05/16/25 16:03	1
Cadmium	<1.0		5.0	1.0	ug/L		05/16/25 07:02	05/16/25 16:03	1
Chromium	**5.0**	**J**	15	3.0	ug/L		05/16/25 07:02	05/16/25 16:03	1
Cobalt	**2.8**	**J**	5.0	1.5	ug/L		05/16/25 07:02	05/16/25 16:03	1
Iron	**5400**		200	80	ug/L		05/16/25 07:02	05/16/25 16:03	1
Lithium	<11		50	11	ug/L		05/16/25 07:02	05/16/25 16:03	1
Magnesium	**6300**		200	80	ug/L		05/16/25 07:02	05/16/25 16:03	1
Manganese	**300**		10	3.0	ug/L		05/16/25 07:02	05/16/25 16:03	1
Molybdenum	<2.0		10	2.0	ug/L		05/16/25 07:02	05/16/25 16:03	1
Potassium	**510**	**J**	1000	250	ug/L		05/16/25 07:02	05/16/25 16:03	1
Selenium	<16		50	16	ug/L		05/16/25 07:02	05/16/25 16:03	1
Sodium	**270000**		1000	400	ug/L		05/16/25 07:02	05/16/25 16:03	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 20:21	20
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 20:21	20
Cadmium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	04/30/25 20:21	20
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	04/30/25 20:21	20
Cobalt	<0.031	cn	0.10	0.031	mg/L		04/30/25 09:30	04/30/25 20:21	20
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 20:21	20
Manganese	**0.31**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	04/30/25 20:21	20
Molybdenum	<0.041	cn	0.21	0.041	mg/L		04/30/25 09:30	04/30/25 20:21	20
Selenium	<0.33	cn	1.0	0.33	mg/L		04/30/25 09:30	04/30/25 20:21	20

Client Sample ID: 11 0.1 KMnO4
Lab Sample ID: 410-218134-13
Date Collected: 04/17/25 12:00
Matrix: Water
Date Received: 04/18/25 15:33

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	38		1.0	0.50	mg/L			04/24/25 06:55	1

Client Sample ID: 11 1.0 KMnO4
Lab Sample ID: 410-218134-14
Date Collected: 04/17/25 12:20
Matrix: Water
Date Received: 04/18/25 15:33

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	20		7.5	2.5	mg/L			05/02/25 11:43	5

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<800	cn	2500	800	ug/L		04/29/25 21:00	04/30/25 10:24	5
Beryllium	<50	cn	250	50	ug/L		04/29/25 21:00	04/30/25 10:24	5
Cadmium	<50	cn	250	50	ug/L		04/29/25 21:00	04/30/25 10:24	5
Chromium	<150	cn	750	150	ug/L		04/29/25 21:00	04/30/25 10:24	5
Cobalt	<75	cn	250	75	ug/L		04/29/25 21:00	04/30/25 10:24	5
Iron	60000	cn	10000	4000	ug/L		04/29/25 21:00	04/30/25 10:24	5
Lithium	<550	cn	2500	550	ug/L		04/29/25 21:00	04/30/25 10:24	5
Magnesium	58000	cn	10000	4000	ug/L		04/29/25 21:00	04/30/25 10:24	5
Manganese	100000	cn	500	150	ug/L		04/29/25 21:00	04/30/25 10:24	5
Molybdenum	<100	cn	500	100	ug/L		04/29/25 21:00	04/30/25 10:24	5
Potassium	17000	J cn	50000	13000	ug/L		04/29/25 21:00	04/30/25 10:24	5
Selenium	<800	cn	2500	800	ug/L		04/29/25 21:00	04/30/25 10:24	5
Sodium	2300000	cn	50000	20000	ug/L		04/29/25 21:00	04/30/25 10:24	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.52	0.16	mg/L		05/19/25 03:30	05/19/25 09:58	1
Beryllium	<0.010		0.052	0.010	mg/L		05/19/25 03:30	05/19/25 09:58	1
Cadmium	<0.010		0.052	0.010	mg/L		05/19/25 03:30	05/19/25 09:58	1
Chromium	0.033	J	0.15	0.031	mg/L		05/19/25 03:30	05/19/25 09:58	1
Cobalt	<0.015		0.052	0.015	mg/L		05/19/25 03:30	05/19/25 09:58	1
Lithium	<0.11		0.52	0.11	mg/L		05/19/25 03:30	05/19/25 09:58	1
Manganese	73		0.10	0.031	mg/L		05/19/25 03:30	05/19/25 09:58	1
Molybdenum	<0.021		0.10	0.021	mg/L		05/19/25 03:30	05/19/25 09:58	1
Selenium	<0.16		0.52	0.16	mg/L		05/19/25 03:30	05/19/25 13:05	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	34	cn	5.0	1.6	ug/L		04/29/25 21:00	05/19/25 17:47	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	4.1		1.0	0.50	mg/L			04/29/25 02:09	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-638406/5
Matrix: Water
Analysis Batch: 638406

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/01/25 11:52	1

Lab Sample ID: LCS 410-638406/3
Matrix: Water
Analysis Batch: 638406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.16		mg/L		96	90 - 110

Lab Sample ID: LCSD 410-638406/4
Matrix: Water
Analysis Batch: 638406

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
Sulfate	7.50	7.18		mg/L		96	90 - 110	0	20

Lab Sample ID: 410-218134-1 MS
Matrix: Water
Analysis Batch: 638406

Client Sample ID: 11 Control
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	22		50.0	71.7		mg/L		100	90 - 110

Lab Sample ID: 410-218134-1 DU
Matrix: Water
Analysis Batch: 638406

Client Sample ID: 11 Control
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	22		21.4		mg/L		0.7	15

Lab Sample ID: MB 410-638666/5
Matrix: Water
Analysis Batch: 638666

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 02:43	1

Lab Sample ID: LCS 410-638666/3
Matrix: Water
Analysis Batch: 638666

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.76		mg/L		103	90 - 110

Lab Sample ID: LCSD 410-638666/4
Matrix: Water
Analysis Batch: 638666

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
Sulfate	7.50	7.77		mg/L		104	90 - 110	0	20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-638800/5
Matrix: Water
Analysis Batch: 638800

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 09:53	1

Lab Sample ID: LCS 410-638800/3
Matrix: Water
Analysis Batch: 638800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.54		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-638800/4
Matrix: Water
Analysis Batch: 638800

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
Sulfate	7.50	7.53		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 410-638912/5
Matrix: Water
Analysis Batch: 638912

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 14:07	1

Lab Sample ID: LCS 410-638912/3
Matrix: Water
Analysis Batch: 638912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.09		mg/L		94	90 - 110

Lab Sample ID: LCSD 410-638912/4
Matrix: Water
Analysis Batch: 638912

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
Sulfate	7.50	7.10		mg/L		95	90 - 110	0	20

Lab Sample ID: 410-218134-6 MS
Matrix: Water
Analysis Batch: 638912

Client Sample ID: 11 0.05 Mn2O3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	32	F1	25.0	47.7	F1	mg/L		62	90 - 110

Lab Sample ID: 410-218134-6 DU
Matrix: Water
Analysis Batch: 638912

Client Sample ID: 11 0.05 Mn2O3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfate	32	F1	32.1		mg/L		0.1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-635234/1-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 18:18	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 18:18	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 18:18	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/28/25 12:11	04/28/25 18:18	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/28/25 12:11	04/28/25 18:18	1
Lithium	<0.011		0.052	0.011	mg/L		04/28/25 12:11	04/28/25 18:18	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/28/25 12:11	04/28/25 18:18	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/28/25 12:11	04/28/25 18:18	1
Selenium	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 18:18	1

Lab Sample ID: LCS 410-635234/2-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.512		mg/L		102	90 - 115
Beryllium	0.0500	0.0519		mg/L		104	90 - 110
Cadmium	0.0500	0.0517		mg/L		103	90 - 113
Chromium	0.500	0.517		mg/L		103	90 - 112
Cobalt	0.500	0.516		mg/L		103	90 - 113
Lithium	0.500	0.494		mg/L		99	88 - 113
Manganese	0.500	0.510		mg/L		102	90 - 111
Molybdenum	0.0500	0.0500		mg/L		100	85 - 113
Selenium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: MB 410-636936/1-A
Matrix: Water
Analysis Batch: 637371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:49	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:49	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:49	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 19:49	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 19:49	1
Lithium	<0.011		0.052	0.011	mg/L		04/29/25 10:00	04/29/25 19:49	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 19:49	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 19:49	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:49	1

Lab Sample ID: LCS 410-636936/2-A
Matrix: Water
Analysis Batch: 637675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.518		mg/L		104	90 - 115
Beryllium	0.0500	0.0524		mg/L		105	90 - 110
Cadmium	0.0500	0.0513		mg/L		103	90 - 113
Chromium	0.500	0.521		mg/L		104	90 - 112

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-636936/2-A
Matrix: Water
Analysis Batch: 637675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	0.500	0.521		mg/L		104	90 - 113
Lithium	0.500	0.520		mg/L		104	88 - 113
Manganese	0.500	0.511		mg/L		102	90 - 111
Molybdenum	0.0500	0.0489		mg/L		98	85 - 113
Selenium	0.100	0.110		mg/L		110	80 - 120

Lab Sample ID: MB 410-637350/1-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 18:24	1
Lithium	<0.011		0.052	0.011	mg/L		04/30/25 09:30	04/30/25 18:24	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 18:24	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1

Lab Sample ID: LCS 410-637350/2-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.512		mg/L		102	90 - 115
Beryllium	0.0500	0.0533		mg/L		107	90 - 110
Cadmium	0.0500	0.0518		mg/L		104	90 - 113
Chromium	0.500	0.526		mg/L		105	90 - 112
Cobalt	0.500	0.511		mg/L		102	90 - 113
Lithium	0.500	0.505		mg/L		101	88 - 113
Manganese	0.500	0.527		mg/L		105	90 - 111
Molybdenum	0.0500	0.0430		mg/L		86	85 - 113
Selenium	0.100	0.100		mg/L		100	80 - 120

Lab Sample ID: MB 410-644740/1-A
Matrix: Water
Analysis Batch: 645869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644740

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0208	J	0.052	0.016	mg/L		05/19/25 03:30	05/19/25 08:08	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/19/25 03:30	05/19/25 08:08	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/19/25 03:30	05/19/25 08:08	1
Chromium	<0.0031		0.015	0.0031	mg/L		05/19/25 03:30	05/19/25 08:08	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		05/19/25 03:30	05/19/25 08:08	1
Lithium	<0.011		0.052	0.011	mg/L		05/19/25 03:30	05/19/25 08:08	1
Manganese	<0.0031		0.010	0.0031	mg/L		05/19/25 03:30	05/19/25 08:08	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/19/25 03:30	05/19/25 08:08	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-644740/1-A
Matrix: Water
Analysis Batch: 645869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 644740

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.016	^3+	0.052	0.016	mg/L		05/19/25 03:30	05/19/25 08:08	1

Lab Sample ID: LCS 410-644740/2-A
Matrix: Water
Analysis Batch: 645869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644740

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.530		mg/L		106	90 - 115
Beryllium	0.0500	0.0545		mg/L		109	90 - 110
Cadmium	0.0500	0.0540		mg/L		108	90 - 113
Chromium	0.500	0.533		mg/L		107	90 - 112
Cobalt	0.500	0.537		mg/L		107	90 - 113
Lithium	0.500	0.516		mg/L		103	88 - 113
Manganese	0.500	0.532		mg/L		106	90 - 111
Molybdenum	0.0500	0.0506		mg/L		101	85 - 113

Lab Sample ID: LCS 410-644740/2-A
Matrix: Water
Analysis Batch: 645919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 644740

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.0971		mg/L		97	80 - 120

Lab Sample ID: MB 410-635260/1-A
Matrix: Water
Analysis Batch: 637639

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<16		50	16	ug/L		04/29/25 21:00	04/30/25 09:35	1
Beryllium	<1.0		5.0	1.0	ug/L		04/29/25 21:00	04/30/25 09:35	1
Cadmium	<1.0		5.0	1.0	ug/L		04/29/25 21:00	04/30/25 09:35	1
Chromium	<3.0		15	3.0	ug/L		04/29/25 21:00	04/30/25 09:35	1
Cobalt	<1.5		5.0	1.5	ug/L		04/29/25 21:00	04/30/25 09:35	1
Iron	<80		200	80	ug/L		04/29/25 21:00	04/30/25 09:35	1
Lithium	<11		50	11	ug/L		04/29/25 21:00	04/30/25 09:35	1
Magnesium	<80		200	80	ug/L		04/29/25 21:00	04/30/25 09:35	1
Manganese	<3.0		10	3.0	ug/L		04/29/25 21:00	04/30/25 09:35	1
Molybdenum	<2.0		10	2.0	ug/L		04/29/25 21:00	04/30/25 09:35	1
Potassium	<250		1000	250	ug/L		04/29/25 21:00	04/30/25 09:35	1
Selenium	<16		50	16	ug/L		04/29/25 21:00	04/30/25 09:35	1
Sodium	<400		1000	400	ug/L		04/29/25 21:00	04/30/25 09:35	1

Lab Sample ID: LCS 410-635260/2-A
Matrix: Water
Analysis Batch: 637639

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	522		ug/L		104	90 - 115
Beryllium	50.0	53.3		ug/L		107	90 - 110
Cadmium	50.0	52.3		ug/L		105	90 - 113

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-635260/2-A
Matrix: Water
Analysis Batch: 637639

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	500	506		ug/L		101	90 - 112
Cobalt	500	510		ug/L		102	90 - 113
Iron	5000	5240		ug/L		105	87 - 114
Lithium	500	505		ug/L		101	88 - 113
Magnesium	5000	5220		ug/L		104	90 - 111
Manganese	500	520		ug/L		104	90 - 111
Molybdenum	50.0	49.5		ug/L		99	85 - 113
Potassium	5000	5080		ug/L		102	88 - 118
Selenium	100	104		ug/L		104	80 - 120
Sodium	5000	4880		ug/L		98	88 - 118

Lab Sample ID: MB 410-635295/1-A
Matrix: Water
Analysis Batch: 637010

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<16		50	16	ug/L		04/28/25 21:00	04/29/25 06:45	1
Beryllium	<1.0		5.0	1.0	ug/L		04/28/25 21:00	04/29/25 06:45	1
Cadmium	<1.0		5.0	1.0	ug/L		04/28/25 21:00	04/29/25 06:45	1
Chromium	<3.0		15	3.0	ug/L		04/28/25 21:00	04/29/25 06:45	1
Cobalt	<1.5		5.0	1.5	ug/L		04/28/25 21:00	04/29/25 06:45	1
Iron	<80		200	80	ug/L		04/28/25 21:00	04/29/25 06:45	1
Lithium	<11		50	11	ug/L		04/28/25 21:00	04/29/25 06:45	1
Magnesium	<80		200	80	ug/L		04/28/25 21:00	04/29/25 06:45	1
Manganese	<3.0		10	3.0	ug/L		04/28/25 21:00	04/29/25 06:45	1
Molybdenum	<2.0		10	2.0	ug/L		04/28/25 21:00	04/29/25 06:45	1
Potassium	<250		1000	250	ug/L		04/28/25 21:00	04/29/25 06:45	1
Selenium	<16		50	16	ug/L		04/28/25 21:00	04/29/25 06:45	1
Sodium	<400		1000	400	ug/L		04/28/25 21:00	04/29/25 06:45	1

Lab Sample ID: LCS 410-635295/2-A
Matrix: Water
Analysis Batch: 637010

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	535		ug/L		107	90 - 115
Beryllium	50.0	53.2		ug/L		106	90 - 110
Cadmium	50.0	53.5		ug/L		107	90 - 113
Chromium	500	529		ug/L		106	90 - 112
Cobalt	500	527		ug/L		105	90 - 113
Iron	5000	5250		ug/L		105	87 - 114
Lithium	500	509		ug/L		102	88 - 113
Magnesium	5000	5200		ug/L		104	90 - 111
Manganese	500	528		ug/L		106	90 - 111
Molybdenum	50.0	52.6		ug/L		105	85 - 113
Potassium	5000	5270		ug/L		105	88 - 118
Selenium	100	99.7		ug/L		100	80 - 120
Sodium	5000	5010		ug/L		100	88 - 118

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-636061/1-A
Matrix: Water
Analysis Batch: 636753

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<16		50	16	ug/L		04/28/25 06:48	04/28/25 18:05	1
Beryllium	<1.0		5.0	1.0	ug/L		04/28/25 06:48	04/28/25 18:05	1
Cadmium	<1.0		5.0	1.0	ug/L		04/28/25 06:48	04/28/25 18:05	1
Chromium	<3.0		15	3.0	ug/L		04/28/25 06:48	04/28/25 18:05	1
Cobalt	<1.5		5.0	1.5	ug/L		04/28/25 06:48	04/28/25 18:05	1
Iron	<80		200	80	ug/L		04/28/25 06:48	04/28/25 18:05	1
Lithium	<11		50	11	ug/L		04/28/25 06:48	04/28/25 18:05	1
Magnesium	<80		200	80	ug/L		04/28/25 06:48	04/28/25 18:05	1
Manganese	<3.0		10	3.0	ug/L		04/28/25 06:48	04/28/25 18:05	1
Molybdenum	<2.0		10	2.0	ug/L		04/28/25 06:48	04/28/25 18:05	1
Potassium	<250		1000	250	ug/L		04/28/25 06:48	04/28/25 18:05	1
Selenium	<16		50	16	ug/L		04/28/25 06:48	04/28/25 18:05	1
Sodium	<400		1000	400	ug/L		04/28/25 06:48	04/28/25 18:05	1

Lab Sample ID: LCS 410-636061/2-A
Matrix: Water
Analysis Batch: 636753

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	540		ug/L		108	90 - 115
Beryllium	50.0	52.7		ug/L		105	90 - 110
Cadmium	50.0	53.8		ug/L		108	90 - 113
Chromium	500	524		ug/L		105	90 - 112
Cobalt	500	520		ug/L		104	90 - 113
Iron	5000	5230		ug/L		105	87 - 114
Lithium	500	505		ug/L		101	88 - 113
Magnesium	5000	5290		ug/L		106	90 - 111
Manganese	500	539		ug/L		108	90 - 111
Molybdenum	50.0	52.7		ug/L		105	85 - 113
Potassium	5000	5190		ug/L		104	88 - 118
Selenium	100	108		ug/L		108	80 - 120
Sodium	5000	5190		ug/L		104	88 - 118

Lab Sample ID: MB 410-636077/1-A
Matrix: Water
Analysis Batch: 637936

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<16		50	16	ug/L		04/30/25 06:55	04/30/25 19:07	1
Beryllium	<1.0		5.0	1.0	ug/L		04/30/25 06:55	04/30/25 19:07	1
Cadmium	<1.0		5.0	1.0	ug/L		04/30/25 06:55	04/30/25 19:07	1
Chromium	<3.0		15	3.0	ug/L		04/30/25 06:55	04/30/25 19:07	1
Cobalt	<1.5		5.0	1.5	ug/L		04/30/25 06:55	04/30/25 19:07	1
Iron	<80		200	80	ug/L		04/30/25 06:55	04/30/25 19:07	1
Lithium	<11		50	11	ug/L		04/30/25 06:55	04/30/25 19:07	1
Magnesium	<80		200	80	ug/L		04/30/25 06:55	04/30/25 19:07	1
Manganese	<3.0		10	3.0	ug/L		04/30/25 06:55	04/30/25 19:07	1
Molybdenum	<2.0		10	2.0	ug/L		04/30/25 06:55	04/30/25 19:07	1
Potassium	<250		1000	250	ug/L		04/30/25 06:55	04/30/25 19:07	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-636077/1-A
Matrix: Water
Analysis Batch: 637936

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<16		50	16	ug/L		04/30/25 06:55	04/30/25 19:07	1
Sodium	<400		1000	400	ug/L		04/30/25 06:55	04/30/25 19:07	1

Lab Sample ID: LCS 410-636077/2-A
Matrix: Water
Analysis Batch: 637936

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	511		ug/L		102	90 - 115
Beryllium	50.0	53.8		ug/L		108	90 - 110
Cadmium	50.0	52.2		ug/L		104	90 - 113
Chromium	500	522		ug/L		104	90 - 112
Cobalt	500	520		ug/L		104	90 - 113
Iron	5000	5270		ug/L		105	87 - 114
Lithium	500	522		ug/L		104	88 - 113
Magnesium	5000	5240		ug/L		105	90 - 111
Manganese	500	523		ug/L		105	90 - 111
Molybdenum	50.0	51.4		ug/L		103	85 - 113
Potassium	5000	5120		ug/L		102	88 - 118
Selenium	100	115		ug/L		115	80 - 120
Sodium	5000	5210		ug/L		104	88 - 118

Lab Sample ID: MB 410-644860/1-A
Matrix: Water
Analysis Batch: 645326

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 644860

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<16		50	16	ug/L		05/16/25 07:02	05/16/25 15:57	1
Beryllium	<1.0		5.0	1.0	ug/L		05/16/25 07:02	05/16/25 15:57	1
Cadmium	<1.0		5.0	1.0	ug/L		05/16/25 07:02	05/16/25 15:57	1
Chromium	<3.0		15	3.0	ug/L		05/16/25 07:02	05/16/25 15:57	1
Cobalt	<1.5		5.0	1.5	ug/L		05/16/25 07:02	05/16/25 15:57	1
Iron	<80		200	80	ug/L		05/16/25 07:02	05/16/25 15:57	1
Lithium	<11		50	11	ug/L		05/16/25 07:02	05/16/25 15:57	1
Magnesium	<80		200	80	ug/L		05/16/25 07:02	05/16/25 15:57	1
Manganese	<3.0		10	3.0	ug/L		05/16/25 07:02	05/16/25 15:57	1
Molybdenum	<2.0		10	2.0	ug/L		05/16/25 07:02	05/16/25 15:57	1
Potassium	<250		1000	250	ug/L		05/16/25 07:02	05/16/25 15:57	1
Selenium	<16		50	16	ug/L		05/16/25 07:02	05/16/25 15:57	1
Sodium	<400		1000	400	ug/L		05/16/25 07:02	05/16/25 15:57	1

Lab Sample ID: LCS 410-644860/2-A
Matrix: Water
Analysis Batch: 645326

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 644860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	505		ug/L		101	90 - 115
Beryllium	50.0	51.5		ug/L		103	90 - 110
Cadmium	50.0	51.4		ug/L		103	90 - 113

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-644860/2-A
Matrix: Water
Analysis Batch: 645326

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 644860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	500	505		ug/L		101	90 - 112
Cobalt	500	504		ug/L		101	90 - 113
Iron	5000	4960		ug/L		99	87 - 114
Lithium	500	487		ug/L		97	88 - 113
Magnesium	5000	5000		ug/L		100	90 - 111
Manganese	500	502		ug/L		100	90 - 111
Molybdenum	50.0	49.1		ug/L		98	85 - 113
Potassium	5000	5070		ug/L		101	88 - 118
Selenium	100	99.9		ug/L		100	80 - 120
Sodium	5000	4850		ug/L		97	88 - 118

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-635260/1-A
Matrix: Water
Analysis Batch: 646208

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635260

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.16		0.50	0.16	ug/L		04/29/25 21:00	05/19/25 17:42	1

Lab Sample ID: LCS 410-635260/2-A
Matrix: Water
Analysis Batch: 646208

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635260

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	500	493		ug/L		99	90 - 110

Method: 5310C-2014 - Dissolved Organic Carbon/Persulfate Oxidation

Lab Sample ID: MB 410-635084/7
Matrix: Water
Analysis Batch: 635084

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.50		1.0	0.50	mg/L			04/23/25 22:39	1

Lab Sample ID: LCS 410-635084/6
Matrix: Water
Analysis Batch: 635084

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	50.0	47.9		mg/L		96	90 - 110

Lab Sample ID: MRL 410-635084/3
Matrix: Water
Analysis Batch: 635084

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.00	1.39		mg/L		139	50 - 150

Method: 5310C-2014 - Dissolved Organic Carbon/Persulfate Oxidation (Continued)

Lab Sample ID: MB 410-637271/7
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.50		1.0	0.50	mg/L			04/28/25 21:11	1

Lab Sample ID: LCS 410-637271/6
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	50.0	49.3		mg/L		99	90 - 110

Lab Sample ID: MRL 410-637271/3
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.00	0.643	J	mg/L		64	50 - 150

HPLC/IC

Analysis Batch: 638406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-1	11 Control	Total/NA	Water	EPA 300.0 R2.1	
410-218134-2	11 20 SB	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638406/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638406/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638406/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
410-218134-1 MS	11 Control	Total/NA	Water	EPA 300.0 R2.1	
410-218134-1 DU	11 Control	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-3	11 0.05 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218134-7	11 0.1 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218134-8	11 1.0 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218134-11	11 1.0 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638666/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638666/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638666/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-4	11 0.1 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218134-10	11 0.1 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218134-13	11 0.1 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
410-218134-14	11 1.0 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638800/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638800/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638800/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-5	11 1.0 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218134-6	11 0.05 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218134-9	11 0.05 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218134-12	11 0.05 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638912/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638912/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638912/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
410-218134-6 MS	11 0.05 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218134-6 DU	11 0.05 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 635234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-1	11 Control	Dissolved	Water	Non-Digest Prep	
410-218134-11	11 1.0 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
MB 410-635234/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-635234/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Metals

Prep Batch: 635260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-1	11 Control	Total Recoverable	Water	3005A	
410-218134-3	11 0.05 MnOOH	Total Recoverable	Water	3005A	
410-218134-5	11 1.0 MnOOH	Total Recoverable	Water	3005A	
410-218134-10	11 0.1 Mn(OH)2	Total Recoverable	Water	3005A	
410-218134-11	11 1.0 Mn(OH)2	Total Recoverable	Water	3005A	
410-218134-14	11 1.0 KMnO4	Total Recoverable	Water	3005A	
MB 410-635260/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-635260/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 635295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-2	11 20 SB	Total Recoverable	Water	3005A	
410-218134-4	11 0.1 MnOOH	Total Recoverable	Water	3005A	
410-218134-6	11 0.05 Mn2O3	Total Recoverable	Water	3005A	
410-218134-7	11 0.1 Mn2O3	Total Recoverable	Water	3005A	
410-218134-9	11 0.05 Mn(OH)2	Total Recoverable	Water	3005A	
MB 410-635295/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-635295/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 636061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-12	11 0.05 KMnO4	Total Recoverable	Water	3005A	
MB 410-636061/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-636061/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 636077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-8	11 1.0 Mn2O3	Total Recoverable	Water	3005A	
MB 410-636077/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-636077/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 636753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-12	11 0.05 KMnO4	Total Recoverable	Water	6010D	636061
MB 410-636061/1-A	Method Blank	Total Recoverable	Water	6010D	636061
LCS 410-636061/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636061

Analysis Batch: 636776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-1	11 Control	Dissolved	Water	6010D	635234
410-218134-11	11 1.0 Mn(OH)2	Dissolved	Water	6010D	635234
410-218134-12	11 0.05 KMnO4	Total Recoverable	Water	6010D	636061
410-218134-12	11 0.05 KMnO4	Total Recoverable	Water	6010D	636061
MB 410-635234/1-A	Method Blank	Total/NA	Water	6010D	635234
LCS 410-635234/2-A	Lab Control Sample	Total/NA	Water	6010D	635234

Prep Batch: 636936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-2	11 20 SB	Dissolved	Water	Non-Digest Prep	
410-218134-4	11 0.1 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218134-5	11 1.0 MnOOH	Dissolved	Water	Non-Digest Prep	

Metals (Continued)

Prep Batch: 636936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-6	11 0.05 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218134-7	11 0.1 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218134-8	11 1.0 Mn2O3	Dissolved	Water	Non-Digest Prep	
MB 410-636936/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-636936/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 637010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-11	11 1.0 Mn(OH)2	Dissolved	Water	6010D	635234
MB 410-635295/1-A	Method Blank	Total Recoverable	Water	6010D	635295
LCS 410-635295/2-A	Lab Control Sample	Total Recoverable	Water	6010D	635295

Prep Batch: 637350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-3	11 0.05 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218134-9	11 0.05 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218134-10	11 0.1 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218134-12	11 0.05 KMnO4	Dissolved	Water	Non-Digest Prep	
410-218134-13	11 0.1 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-637350/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 637371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-6	11 0.05 Mn2O3	Dissolved	Water	6010D	636936
410-218134-7	11 0.1 Mn2O3	Dissolved	Water	6010D	636936
MB 410-636936/1-A	Method Blank	Total/NA	Water	6010D	636936

Analysis Batch: 637372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-2	11 20 SB	Total Recoverable	Water	6010D	635295
410-218134-6	11 0.05 Mn2O3	Total Recoverable	Water	6010D	635295
410-218134-7	11 0.1 Mn2O3	Total Recoverable	Water	6010D	635295
410-218134-7	11 0.1 Mn2O3	Total Recoverable	Water	6010D	635295
410-218134-9	11 0.05 Mn(OH)2	Total Recoverable	Water	6010D	635295

Analysis Batch: 637376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-2	11 20 SB	Dissolved	Water	6010D	636936
410-218134-5	11 1.0 MnOOH	Dissolved	Water	6010D	636936
410-218134-6	11 0.05 Mn2O3	Dissolved	Water	6010D	636936

Analysis Batch: 637639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-1	11 Control	Total Recoverable	Water	6010D	635260
410-218134-11	11 1.0 Mn(OH)2	Total Recoverable	Water	6010D	635260
410-218134-14	11 1.0 KMnO4	Total Recoverable	Water	6010D	635260
MB 410-635260/1-A	Method Blank	Total Recoverable	Water	6010D	635260
LCS 410-635260/2-A	Lab Control Sample	Total Recoverable	Water	6010D	635260

Metals

Analysis Batch: 637675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-2	11 20 SB	Dissolved	Water	6010D	636936
410-218134-2	11 20 SB	Total Recoverable	Water	6010D	635295
410-218134-4	11 0.1 MnOOH	Dissolved	Water	6010D	636936
410-218134-4	11 0.1 MnOOH	Total Recoverable	Water	6010D	635295
410-218134-5	11 1.0 MnOOH	Dissolved	Water	6010D	636936
410-218134-6	11 0.05 Mn2O3	Total Recoverable	Water	6010D	635295
410-218134-7	11 0.1 Mn2O3	Total Recoverable	Water	6010D	635295
410-218134-8	11 1.0 Mn2O3	Dissolved	Water	6010D	636936
410-218134-9	11 0.05 Mn(OH)2	Total Recoverable	Water	6010D	635295
LCS 410-636936/2-A	Lab Control Sample	Total/NA	Water	6010D	636936

Analysis Batch: 637936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-3	11 0.05 MnOOH	Total Recoverable	Water	6010D	635260
410-218134-5	11 1.0 MnOOH	Total Recoverable	Water	6010D	635260
410-218134-8	11 1.0 Mn2O3	Total Recoverable	Water	6010D	636077
410-218134-10	11 0.1 Mn(OH)2	Total Recoverable	Water	6010D	635260
410-218134-11	11 1.0 Mn(OH)2	Total Recoverable	Water	6010D	635260
MB 410-636077/1-A	Method Blank	Total Recoverable	Water	6010D	636077
LCS 410-636077/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636077

Analysis Batch: 637957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-3	11 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218134-9	11 0.05 Mn(OH)2	Dissolved	Water	6010D	637350
410-218134-10	11 0.1 Mn(OH)2	Dissolved	Water	6010D	637350
410-218134-12	11 0.05 KMnO4	Dissolved	Water	6010D	637350
410-218134-13	11 0.1 KMnO4	Dissolved	Water	6010D	637350
MB 410-637350/1-A	Method Blank	Total/NA	Water	6010D	637350
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	6010D	637350

Analysis Batch: 638242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-9	11 0.05 Mn(OH)2	Dissolved	Water	6010D	637350
410-218134-12	11 0.05 KMnO4	Dissolved	Water	6010D	637350

Prep Batch: 644740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-14	11 1.0 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-644740/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-644740/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 644860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-13	11 0.1 KMnO4	Total Recoverable	Water	3005A	
MB 410-644860/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-644860/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 645326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-13	11 0.1 KMnO4	Total Recoverable	Water	6010D	644860

Metals (Continued)

Analysis Batch: 645326 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-644860/1-A	Method Blank	Total Recoverable	Water	6010D	644860
LCS 410-644860/2-A	Lab Control Sample	Total Recoverable	Water	6010D	644860

Analysis Batch: 645869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-14	11 1.0 KMnO4	Dissolved	Water	6010D	644740
MB 410-644740/1-A	Method Blank	Total/NA	Water	6010D	644740
LCS 410-644740/2-A	Lab Control Sample	Total/NA	Water	6010D	644740

Analysis Batch: 645919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-14	11 1.0 KMnO4	Dissolved	Water	6010D	644740
LCS 410-644740/2-A	Lab Control Sample	Total/NA	Water	6010D	644740

Analysis Batch: 646208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-14	11 1.0 KMnO4	Total Recoverable	Water	6020B	635260
MB 410-635260/1-A	Method Blank	Total Recoverable	Water	6020B	635260
LCS 410-635260/2-A	Lab Control Sample	Total Recoverable	Water	6020B	635260

General Chemistry

Analysis Batch: 635084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-1	11 Control	Dissolved	Water	5310C-2014	635180
410-218134-2	11 20 SB	Dissolved	Water	5310C-2014	635180
410-218134-3	11 0.05 MnOOH	Dissolved	Water	5310C-2014	635180
410-218134-4	11 0.1 MnOOH	Dissolved	Water	5310C-2014	635180
410-218134-5	11 1.0 MnOOH	Dissolved	Water	5310C-2014	635180
410-218134-6	11 0.05 Mn2O3	Dissolved	Water	5310C-2014	635180
410-218134-7	11 0.1 Mn2O3	Dissolved	Water	5310C-2014	635180
410-218134-8	11 1.0 Mn2O3	Dissolved	Water	5310C-2014	635180
410-218134-9	11 0.05 Mn(OH)2	Dissolved	Water	5310C-2014	635180
410-218134-10	11 0.1 Mn(OH)2	Dissolved	Water	5310C-2014	635180
410-218134-11	11 1.0 Mn(OH)2	Dissolved	Water	5310C-2014	635180
410-218134-12	11 0.05 KMnO4	Dissolved	Water	5310C-2014	635180
410-218134-13	11 0.1 KMnO4	Dissolved	Water	5310C-2014	635180
MB 410-635084/7	Method Blank	Dissolved	Water	5310C-2014	
LCS 410-635084/6	Lab Control Sample	Dissolved	Water	5310C-2014	
MRL 410-635084/3	Lab Control Sample	Dissolved	Water	5310C-2014	

Filtration Batch: 635180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-1	11 Control	Dissolved	Water	Filtration	
410-218134-2	11 20 SB	Dissolved	Water	Filtration	
410-218134-3	11 0.05 MnOOH	Dissolved	Water	Filtration	
410-218134-4	11 0.1 MnOOH	Dissolved	Water	Filtration	
410-218134-5	11 1.0 MnOOH	Dissolved	Water	Filtration	
410-218134-6	11 0.05 Mn2O3	Dissolved	Water	Filtration	
410-218134-7	11 0.1 Mn2O3	Dissolved	Water	Filtration	
410-218134-8	11 1.0 Mn2O3	Dissolved	Water	Filtration	

General Chemistry (Continued)

Filtration Batch: 635180 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-9	11 0.05 Mn(OH)2	Dissolved	Water	Filtration	
410-218134-10	11 0.1 Mn(OH)2	Dissolved	Water	Filtration	
410-218134-11	11 1.0 Mn(OH)2	Dissolved	Water	Filtration	
410-218134-12	11 0.05 KMnO4	Dissolved	Water	Filtration	
410-218134-13	11 0.1 KMnO4	Dissolved	Water	Filtration	
410-218134-14	11 1.0 KMnO4	Dissolved	Water	Filtration	

Analysis Batch: 637271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218134-14	11 1.0 KMnO4	Dissolved	Water	5310C-2014	635180
MB 410-637271/7	Method Blank	Dissolved	Water	5310C-2014	
LCS 410-637271/6	Lab Control Sample	Dissolved	Water	5310C-2014	
MRL 410-637271/3	Lab Control Sample	Dissolved	Water	5310C-2014	

Lab Chronicle

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218134-1

Client Sample ID: 11 Control
Date Collected: 04/17/25 08:00
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		10	638406	PYC6	ELLE	05/01/25 15:32
Dissolved	Prep	Non-Digest Prep			635234	UJL8	ELLE	04/28/25 12:11
Dissolved	Analysis	6010D		1	636776	T8CQ	ELLE	04/28/25 19:21
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6010D		5	637639	MT26	ELLE	04/30/25 10:02
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 02:14

Client Sample ID: 11 20 SB
Date Collected: 04/17/25 08:20
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		10	638406	PYC6	ELLE	05/01/25 16:49
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:51
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		10	637675	MT26	ELLE	04/30/25 10:42
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		20	637675	MT26	ELLE	04/30/25 10:21
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		20	637372	T8CQ	ELLE	04/29/25 18:19
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 02:32

Client Sample ID: 11 0.05 MnOOH
Date Collected: 04/17/25 08:40
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638666	L4QM	ELLE	05/02/25 06:03
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 21:18
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6010D		20	637936	T8CQ	ELLE	04/30/25 20:06
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 02:49

Client Sample ID: 11 0.1 MnOOH
Date Collected: 04/17/25 09:00
Date Received: 04/18/25 15:33

Lab Sample ID: 410-218134-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638800	KJQ8	ELLE	05/02/25 12:13

Client Sample ID: 11 0.1 MnOOH
Lab Sample ID: 410-218134-4

Date Collected: 04/17/25 09:00
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		10	637675	MT26	ELLE	04/30/25 11:11
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		10	637675	MT26	ELLE	04/30/25 10:11
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 03:07

Client Sample ID: 11 1.0 MnOOH
Lab Sample ID: 410-218134-5

Date Collected: 04/17/25 09:20
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638912	PYC6	ELLE	05/02/25 14:24
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:44
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		10	637675	MT26	ELLE	04/30/25 10:36
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 18:35
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 03:59

Client Sample ID: 11 0.05 Mn2O3
Lab Sample ID: 410-218134-6

Date Collected: 04/17/25 09:40
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638912	PYC6	ELLE	05/02/25 14:41
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:41
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 21:05
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		5	637675	MT26	ELLE	04/30/25 10:17
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		5	637372	T8CQ	ELLE	04/29/25 18:13
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 04:17

Client Sample ID: 11 0.1 Mn2O3
Lab Sample ID: 410-218134-7

Date Collected: 04/17/25 10:00
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638666	L4QM	ELLE	05/02/25 03:43

Client Sample ID: 11 0.1 Mn2O3
Lab Sample ID: 410-218134-7
Date Collected: 04/17/25 10:00
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 20:25
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		5	637675	MT26	ELLE	04/30/25 10:14
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		5	637372	T8CQ	ELLE	04/29/25 18:10
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		10	637372	T8CQ	ELLE	04/29/25 18:22
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 04:34

Client Sample ID: 11 1.0 Mn2O3
Lab Sample ID: 410-218134-8
Date Collected: 04/17/25 10:20
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638666	L4QM	ELLE	05/02/25 04:03
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		10	637675	MT26	ELLE	04/30/25 11:07
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 19:56
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 05:27

Client Sample ID: 11 0.05 Mn(OH)2
Lab Sample ID: 410-218134-9
Date Collected: 04/17/25 10:40
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638912	PYC6	ELLE	05/02/25 14:15
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	638242	MT26	ELLE	05/01/25 10:45
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 22:47
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		5	637675	MT26	ELLE	04/30/25 10:08
Total Recoverable	Prep	3005A			635295	UAMX	ELLE	04/28/25 21:00
Total Recoverable	Analysis	6010D		5	637372	T8CQ	ELLE	04/29/25 18:01
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 05:45

Client Sample ID: 11 0.1 Mn(OH)2

Lab Sample ID: 410-218134-10

Date Collected: 04/17/25 11:00

Matrix: Water

Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638800	KJQ8	ELLE	05/02/25 12:03
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 20:31
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 20:47
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 06:02

Client Sample ID: 11 1.0 Mn(OH)2

Lab Sample ID: 410-218134-11

Date Collected: 04/17/25 11:20

Matrix: Water

Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638666	L4QM	ELLE	05/02/25 04:23
Dissolved	Prep	Non-Digest Prep			635234	UJL8	ELLE	04/28/25 12:11
Dissolved	Analysis	6010D		1	636776	T8CQ	ELLE	04/28/25 19:18
Dissolved	Prep	Non-Digest Prep			635234	UJL8	ELLE	04/28/25 12:11
Dissolved	Analysis	6010D		5	637010	MT26	ELLE	04/29/25 08:44
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 18:32
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6010D		5	637639	MT26	ELLE	04/30/25 09:59
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 06:20

Client Sample ID: 11 0.05 KMnO4

Lab Sample ID: 410-218134-12

Date Collected: 04/17/25 11:40

Matrix: Water

Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638912	PYC6	ELLE	05/02/25 14:33
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	638242	MT26	ELLE	05/01/25 10:42
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 22:40
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		5	636753	T8CQ	ELLE	04/28/25 20:35
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		5	636776	T8CQ	ELLE	04/28/25 22:03
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		10	636776	T8CQ	ELLE	04/28/25 23:28
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 06:38

Lab Chronicle

Client: Terra Systems Inc
Job ID: 410-218134-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 11 0.1 KMnO4
Lab Sample ID: 410-218134-13
Date Collected: 04/17/25 12:00
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638800	KJQ8	ELLE	05/02/25 11:53
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 20:21
Total Recoverable	Prep	3005A			644860	X3ZX	ELLE	05/16/25 07:02
Total Recoverable	Analysis	6010D		1	645326	T8CQ	ELLE	05/16/25 16:03
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	635084	P684	ELLE	04/24/25 06:55

Client Sample ID: 11 1.0 KMnO4
Lab Sample ID: 410-218134-14
Date Collected: 04/17/25 12:20
Matrix: Water
Date Received: 04/18/25 15:33

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	638800	KJQ8	ELLE	05/02/25 11:43
Dissolved	Prep	Non-Digest Prep			644740	UAMX	ELLE	05/19/25 03:30
Dissolved	Analysis	6010D		1	645869	MT26	ELLE	05/19/25 09:58
Dissolved	Prep	Non-Digest Prep			644740	UAMX	ELLE	05/19/25 03:30
Dissolved	Analysis	6010D		1	645919	MT26	ELLE	05/19/25 13:05
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6010D		5	637639	MT26	ELLE	04/30/25 10:24
Total Recoverable	Prep	3005A			635260	UAMX	ELLE	04/29/25 21:00
Total Recoverable	Analysis	6020B		1	646208	LHF4	ELLE	05/19/25 17:47
Dissolved	Filtration	Filtration			635180	P684	ELLE	04/18/25 20:25
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 02:09

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-218134-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	05-20-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
5310C-2014		Water	Dissolved Organic Carbon
6010D	3005A	Water	Lithium
6010D	Non-Digest Prep	Water	Lithium

Method Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218134-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6010D	Metals (ICP)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
5310C-2014	Dissolved Organic Carbon/Persulfate Oxidation	SM	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
Filtration	Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218134-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-218134-1	11 Control	Water	04/17/25 08:00	04/18/25 15:33
410-218134-2	11 20 SB	Water	04/17/25 08:20	04/18/25 15:33
410-218134-3	11 0.05 MnOOH	Water	04/17/25 08:40	04/18/25 15:33
410-218134-4	11 0.1 MnOOH	Water	04/17/25 09:00	04/18/25 15:33
410-218134-5	11 1.0 MnOOH	Water	04/17/25 09:20	04/18/25 15:33
410-218134-6	11 0.05 Mn2O3	Water	04/17/25 09:40	04/18/25 15:33
410-218134-7	11 0.1 Mn2O3	Water	04/17/25 10:00	04/18/25 15:33
410-218134-8	11 1.0 Mn2O3	Water	04/17/25 10:20	04/18/25 15:33
410-218134-9	11 0.05 Mn(OH)2	Water	04/17/25 10:40	04/18/25 15:33
410-218134-10	11 0.1 Mn(OH)2	Water	04/17/25 11:00	04/18/25 15:33
410-218134-11	11 1.0 Mn(OH)2	Water	04/17/25 11:20	04/18/25 15:33
410-218134-12	11 0.05 KMnO4	Water	04/17/25 11:40	04/18/25 15:33
410-218134-13	11 0.1 KMnO4	Water	04/17/25 12:00	04/18/25 15:33
410-218134-14	11 1.0 KMnO4	Water	04/17/25 12:20	04/18/25 15:33

410-218134 Chain of Custody

Environmental Analysis Request/Chain of Custody

Acct. # _____ Group # _____ Sample # _____

| Client: Terra Systems, Inc. | | |

Login Sample Receipt Checklist

Client: Terra Systems Inc

Job Number: 410-218134-1

Login Number: 218134
List Number: 1
Creator: Santiago, Nathaniel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Michael D Lee
Terra Systems Inc
130 Hickman Road
Suite 1
Claymont, Delaware 19703

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JOB DESCRIPTION

WSP Plant Scherer CCR TS

JOB NUMBER

410-218318-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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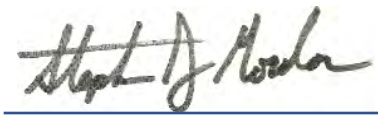


Table of Contents

Cover Page 1
Table of Contents 4
Definitions/Glossary 5
Case Narrative 6
Detection Summary 7
Client Sample Results 13
QC Sample Results 23
QC Association Summary 31
Lab Chronicle 35
Certification Summary 39
Method Summary 40
Sample Summary 41
Chain of Custody 42
Receipt Checklists 43

Client: Terra Systems Inc
Job ID: 410-218318-1
Project/Site: WSP Plant Scherer CCR TS

Qualifiers

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
cn	Refer to Case Narrative for further detail
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-218318-1 Eurofins Lancaster Laboratories Environment

Job Narrative
410-218318-1

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 4/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.1°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 15 0.1 Mn(OH)2 (410-218318-7), 15 1.0 Mn(OH)2 (410-218318-8), 15 0.1 Mn2O3 (410-218318-9), 15 1.0 Mn2O3 (410-218318-10) and 15 0.1 KMnO4 (410-218318-11). 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.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218318-1

Client Sample ID: 15 Control — Lab Sample ID: 410-218318-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	200		15	5.0	mg/L	10		EPA 300.0 R2.1	Total/NA
Chromium	0.027		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.22		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	0.11	J	0.20	0.080	mg/L	1		6010D	Total Recoverable
Magnesium	13		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	3.3		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	4.7		1.0	0.25	mg/L	1		6010D	Total Recoverable
Sodium	45		1.0	0.40	mg/L	1		6010D	Total Recoverable
Cobalt	0.25		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	3.5		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.031		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	6.8		1.0	0.50	mg/L	1		5310 C-2014	Dissolved

Client Sample ID: 15 20 SB — Lab Sample ID: 410-218318-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	400		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.26		0.15	0.030	mg/L	10		6010D	Total Recoverable
Cobalt	0.37		0.050	0.015	mg/L	10		6010D	Total Recoverable
Iron	12		2.0	0.80	mg/L	10		6010D	Total Recoverable
Magnesium	47		2.0	0.80	mg/L	10		6010D	Total Recoverable
Manganese	5.9		0.10	0.030	mg/L	10		6010D	Total Recoverable
Potassium	13		10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	2800		10	4.0	mg/L	10		6010D	Total Recoverable
Cobalt	0.036		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.2		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.32		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1100		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 0.05 MnOOH — Lab Sample ID: 410-218318-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	360		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	1.6		0.15	0.030	mg/L	10		6010D	Total Recoverable
Cobalt	0.84		0.050	0.015	mg/L	10		6010D	Total Recoverable
Iron	610		2.0	0.80	mg/L	10		6010D	Total Recoverable
Magnesium	73		2.0	0.80	mg/L	10		6010D	Total Recoverable
Manganese	17		0.10	0.030	mg/L	10		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 15 0.05 MnOOH (Continued) — Lab Sample ID: 410-218318-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	33		10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	3600	^2	10	4.0	mg/L	10		6010D	Total Recoverable
Cobalt	0.021		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.64		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.32		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1200		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 0.1 MnOOH — Lab Sample ID: 410-218318-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	380		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.22		0.15	0.030	mg/L	10		6010D	Total Recoverable
Cobalt	0.26		0.050	0.015	mg/L	10		6010D	Total Recoverable
Iron	5.3		2.0	0.80	mg/L	10		6010D	Total Recoverable
Lithium	0.12	J	0.50	0.11	mg/L	10		6010D	Total Recoverable
Magnesium	42		2.0	0.80	mg/L	10		6010D	Total Recoverable
Manganese	4.7		0.10	0.030	mg/L	10		6010D	Total Recoverable
Potassium	13		10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	2900		10	4.0	mg/L	10		6010D	Total Recoverable
Arsenic	0.016	J	0.052	0.016	mg/L	1		6010D	Dissolved
Cobalt	0.032		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.5		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.37		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1100		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 1.0 MnOOH — Lab Sample ID: 410-218318-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	350		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Arsenic	0.017	J	0.050	0.016	mg/L	1		6010D	Total Recoverable
Chromium	0.22		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.21		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	2.9		0.20	0.080	mg/L	1		6010D	Total Recoverable
Lithium	0.014	J	0.050	0.011	mg/L	1		6010D	Total Recoverable
Magnesium	34		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	3.5		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	13		10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	2800		10	4.0	mg/L	10		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 15 1.0 MnOOH (Continued) — Lab Sample ID: 410-218318-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.0022	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.024		0.010	0.0031	mg/L	1		6010D	Dissolved
Selenium	0.016	J	0.052	0.016	mg/L	1		6010D	Dissolved
Chromium	0.37		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	930		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 0.05 Mn(OH)2 — Lab Sample ID: 410-218318-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	420		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.14	J	0.15	0.030	mg/L	10		6010D	Total Recoverable
Cobalt	0.72		0.050	0.015	mg/L	10		6010D	Total Recoverable
Iron	9.1		2.0	0.80	mg/L	10		6010D	Total Recoverable
Lithium	0.13	J	0.50	0.11	mg/L	10		6010D	Total Recoverable
Magnesium	50		2.0	0.80	mg/L	10		6010D	Total Recoverable
Manganese	17		0.10	0.030	mg/L	10		6010D	Total Recoverable
Potassium	18		10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	3000		10	4.0	mg/L	10		6010D	Total Recoverable
Cobalt	0.0051	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.070		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.034		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1300		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 0.1 Mn(OH)2 — Lab Sample ID: 410-218318-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	420		380	130	mg/L	250		EPA 300.0 R2.1	Total/NA
Beryllium	0.0010	J	0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Cadmium	0.0021	J	0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Chromium	0.37		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.10		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	100		0.20	0.080	mg/L	1		6010D	Total Recoverable
Magnesium	36		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	4.1		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Molybdenum	0.0024	J	0.010	0.0020	mg/L	1		6010D	Total Recoverable
Potassium	14	J	20	5.0	mg/L	20		6010D	Total Recoverable
Sodium	3500	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Cobalt	0.031		0.0052	0.0015	mg/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218318-1

Client Sample ID: 15 0.1 Mn(OH)2 (Continued) — Lab Sample ID: 410-218318-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	1.6		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.17		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	950		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 1.0 Mn(OH)2 — Lab Sample ID: 410-218318-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	420		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	1.2		0.15	0.030	mg/L	1		6010D	Total Recoverable
Cobalt	0.61		0.050	0.015	mg/L	1		6010D	Total Recoverable
Iron	580		2.0	0.80	mg/L	1		6010D	Total Recoverable
Magnesium	58		2.0	0.80	mg/L	1		6010D	Total Recoverable
Manganese	82		0.10	0.030	mg/L	1		6010D	Total Recoverable
Potassium	30		10	2.5	mg/L	1		6010D	Total Recoverable
Sodium	3100		10	4.0	mg/L	1		6010D	Total Recoverable
Cobalt	0.0044	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.40		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.29		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1100		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 0.1 Mn2O3 — Lab Sample ID: 410-218318-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	470		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Beryllium	0.015	J	0.050	0.010	mg/L	1		6010D	Total Recoverable
Chromium	3.0		0.15	0.030	mg/L	1		6010D	Total Recoverable
Cobalt	1.2		0.050	0.015	mg/L	1		6010D	Total Recoverable
Iron	1400		2.0	0.80	mg/L	1		6010D	Total Recoverable
Magnesium	79		2.0	0.80	mg/L	1		6010D	Total Recoverable
Manganese	34		0.10	0.030	mg/L	1		6010D	Total Recoverable
Potassium	35		10	2.5	mg/L	1		6010D	Total Recoverable
Sodium	3000		10	4.0	mg/L	1		6010D	Total Recoverable
Cobalt	0.023		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.4		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.44		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1300		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 1.0 Mn2O3 — Lab Sample ID: 410-218318-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	470		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terra Systems Inc
Job ID: 410-218318-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 15 1.0 Mn2O3 (Continued) — Lab Sample ID: 410-218318-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.022	J	0.050	0.010	mg/L	1		6010D	Total Recoverable
Cadmium	0.018	J	0.050	0.010	mg/L	1		6010D	Total Recoverable
Chromium	4.7		0.15	0.030	mg/L	1		6010D	Total Recoverable
Cobalt	2.0		0.050	0.015	mg/L	1		6010D	Total Recoverable
Iron	2000		2.0	0.80	mg/L	1		6010D	Total Recoverable
Magnesium	110		2.0	0.80	mg/L	1		6010D	Total Recoverable
Manganese	120		0.10	0.030	mg/L	1		6010D	Total Recoverable
Potassium	49		10	2.5	mg/L	1		6010D	Total Recoverable
Sodium	2300	^2	10	4.0	mg/L	1		6010D	Total Recoverable
Cobalt	0.032		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.7		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.47		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	840		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 0.1 KMnO4 — Lab Sample ID: 410-218318-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	420		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.94		0.15	0.030	mg/L	1		6010D	Total Recoverable
Cobalt	0.19		0.050	0.015	mg/L	1		6010D	Total Recoverable
Iron	180		2.0	0.80	mg/L	1		6010D	Total Recoverable
Magnesium	45		2.0	0.80	mg/L	1		6010D	Total Recoverable
Manganese	4.1		0.10	0.030	mg/L	1		6010D	Total Recoverable
Potassium	17		10	2.5	mg/L	1		6010D	Total Recoverable
Sodium	2700		10	4.0	mg/L	1		6010D	Total Recoverable
Manganese	0.24		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.63		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	790		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 15 1.0 KMnO4 — Lab Sample ID: 410-218318-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	380		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	2.0		0.15	0.030	mg/L	1		6010D	Total Recoverable
Cobalt	0.91		0.050	0.015	mg/L	1		6010D	Total Recoverable
Iron	660		2.0	0.80	mg/L	1		6010D	Total Recoverable
Magnesium	77		2.0	0.80	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 15 1.0 KMnO4 (Continued)
Lab Sample ID: 410-218318-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	120		0.10	0.030	mg/L	1		6010D	Total Recoverable
Potassium	63		10	2.5	mg/L	1		6010D	Total Recoverable
Sodium	3300	^2	10	4.0	mg/L	1		6010D	Total Recoverable
Manganese	91		0.052	0.015	mg/L	1		6010D	Dissolved
Chromium	0.78		0.077	0.015	mg/L	1		6010D	Dissolved
Dissolved Carbon	1200		250	130	mg/L	250		5310 C-2014	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: 15 Control

Lab Sample ID: 410-218318-1

Date Collected: 04/17/25 12:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**200**		15	5.0	mg/L			05/03/25 03:24	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 17:42	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 17:42	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 17:42	1
Chromium	**0.027**		0.015	0.0030	mg/L		04/29/25 06:00	04/29/25 17:42	1
Cobalt	**0.22**		0.0050	0.0015	mg/L		04/29/25 06:00	04/29/25 17:42	1
Iron	**0.11**	**J**	0.20	0.080	mg/L		04/29/25 06:00	04/29/25 17:42	1
Lithium	<0.011		0.050	0.011	mg/L		04/29/25 06:00	04/29/25 17:42	1
Magnesium	**13**		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 17:42	1
Manganese	**3.3**		0.010	0.0030	mg/L		04/29/25 06:00	04/29/25 17:42	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/29/25 06:00	04/29/25 17:42	1
Potassium	**4.7**		1.0	0.25	mg/L		04/29/25 06:00	04/29/25 17:42	1
Selenium	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 17:42	1
Sodium	**45**		1.0	0.40	mg/L		04/29/25 06:00	04/29/25 17:42	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:24	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:24	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:24	1
Cobalt	**0.25**		0.0052	0.0015	mg/L		04/28/25 12:11	04/28/25 19:24	1
Lithium	<0.011		0.052	0.011	mg/L		04/28/25 12:11	04/28/25 19:24	1
Manganese	**3.5**		0.010	0.0031	mg/L		04/28/25 12:11	04/28/25 19:24	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/28/25 12:11	04/28/25 19:24	1
Selenium	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:24	1
Chromium	**0.031**		0.015	0.0031	mg/L		04/28/25 12:11	04/28/25 19:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**6.8**		1.0	0.50	mg/L			05/01/25 10:35	1

Client Sample ID: 15 20 SB

Lab Sample ID: 410-218318-2

Date Collected: 04/17/25 12:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**400**		150	50	mg/L			05/03/25 05:44	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/29/25 06:00	04/29/25 18:19	10
Beryllium	<0.010		0.050	0.010	mg/L		04/29/25 06:00	04/29/25 18:19	10
Cadmium	<0.010		0.050	0.010	mg/L		04/29/25 06:00	04/29/25 18:19	10
Chromium	**0.26**		0.15	0.030	mg/L		04/29/25 06:00	04/29/25 18:19	10
Cobalt	**0.37**		0.050	0.015	mg/L		04/29/25 06:00	04/29/25 18:19	10
Iron	**12**		2.0	0.80	mg/L		04/29/25 06:00	04/29/25 18:19	10

Client Sample ID: 15 20 SB
Lab Sample ID: 410-218318-2

Date Collected: 04/17/25 12:40
Matrix: Water
Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.11		0.50	0.11	mg/L		04/29/25 06:00	04/29/25 18:19	10
Magnesium	**47**		2.0	0.80	mg/L		04/29/25 06:00	04/29/25 18:19	10
Manganese	**5.9**		0.10	0.030	mg/L		04/29/25 06:00	04/29/25 18:19	10
Molybdenum	<0.020		0.10	0.020	mg/L		04/29/25 06:00	04/29/25 18:19	10
Potassium	**13**		10	2.5	mg/L		04/29/25 06:00	04/29/25 18:19	10
Selenium	<0.16		0.50	0.16	mg/L		04/29/25 06:00	04/29/25 18:19	10
Sodium	**2800**		10	4.0	mg/L		04/29/25 06:00	04/29/25 18:19	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:46	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:46	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:46	1
Cobalt	**0.036**		0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 20:46	1
Lithium	<0.23		1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:38	20
Manganese	**1.2**		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 20:46	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 20:46	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:46	1
Chromium	**0.32**		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 20:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1100**		250	130	mg/L			05/01/25 10:50	250

Client Sample ID: 15 0.05 MnOOH
Lab Sample ID: 410-218318-3

Date Collected: 04/17/25 13:00
Matrix: Water
Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**360**		150	50	mg/L			05/03/25 06:24	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/28/25 06:48	04/28/25 19:31	10
Beryllium	<0.010		0.050	0.010	mg/L		04/28/25 06:48	04/28/25 19:31	10
Cadmium	<0.010		0.050	0.010	mg/L		04/28/25 06:48	04/28/25 19:31	10
Chromium	**1.6**		0.15	0.030	mg/L		04/28/25 06:48	04/28/25 19:31	10
Cobalt	**0.84**		0.050	0.015	mg/L		04/28/25 06:48	04/28/25 19:31	10
Iron	**610**		2.0	0.80	mg/L		04/28/25 06:48	04/28/25 19:31	10
Lithium	<0.11		0.50	0.11	mg/L		04/28/25 06:48	04/28/25 19:31	10
Magnesium	**73**		2.0	0.80	mg/L		04/28/25 06:48	04/28/25 19:31	10
Manganese	**17**		0.10	0.030	mg/L		04/28/25 06:48	04/28/25 19:31	10
Molybdenum	<0.020		0.10	0.020	mg/L		04/28/25 06:48	04/28/25 19:31	10
Potassium	**33**		10	2.5	mg/L		04/28/25 06:48	04/28/25 19:31	10
Selenium	<0.16		0.50	0.16	mg/L		04/28/25 06:48	04/28/25 19:31	10
Sodium	**3600**	**^2**	10	4.0	mg/L		04/28/25 06:48	04/28/25 19:31	10

Client Sample ID: 15 0.05 MnOOH

Lab Sample ID: 410-218318-3

Date Collected: 04/17/25 13:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:43	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:43	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:43	1
Cobalt	**0.021**		0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 20:43	1
Lithium	<0.23		1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:35	20
Manganese	**0.64**		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 20:43	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 20:43	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:43	1
Chromium	**0.32**		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 20:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1200**		250	130	mg/L			05/01/25 11:05	250

Client Sample ID: 15 0.1 MnOOH

Lab Sample ID: 410-218318-4

Date Collected: 04/17/25 13:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**380**		150	50	mg/L			05/03/25 06:04	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/29/25 06:00	04/29/25 18:13	10
Beryllium	<0.010		0.050	0.010	mg/L		04/29/25 06:00	04/29/25 18:13	10
Cadmium	<0.010		0.050	0.010	mg/L		04/29/25 06:00	04/29/25 18:13	10
Chromium	**0.22**		0.15	0.030	mg/L		04/29/25 06:00	04/29/25 18:13	10
Cobalt	**0.26**		0.050	0.015	mg/L		04/29/25 06:00	04/29/25 18:13	10
Iron	**5.3**		2.0	0.80	mg/L		04/29/25 06:00	04/29/25 18:13	10
Lithium	**0.12**	**J**	0.50	0.11	mg/L		04/29/25 06:00	04/29/25 18:13	10
Magnesium	**42**		2.0	0.80	mg/L		04/29/25 06:00	04/29/25 18:13	10
Manganese	**4.7**		0.10	0.030	mg/L		04/29/25 06:00	04/29/25 18:13	10
Molybdenum	<0.020		0.10	0.020	mg/L		04/29/25 06:00	04/29/25 18:13	10
Potassium	**13**		10	2.5	mg/L		04/29/25 06:00	04/29/25 18:13	10
Selenium	<0.16		0.50	0.16	mg/L		04/29/25 06:00	04/29/25 18:13	10
Sodium	**2900**		10	4.0	mg/L		04/29/25 06:00	04/29/25 18:13	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.016**	**J**	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:40	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:40	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:40	1
Cobalt	**0.032**		0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 20:40	1
Lithium	<0.23		1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:32	20
Manganese	**1.5**		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 20:40	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 20:40	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:40	1
Chromium	**0.37**		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 20:40	1

Client Sample ID: 15 0.1 MnOOH
Lab Sample ID: 410-218318-4

Date Collected: 04/17/25 13:20
Matrix: Water
Date Received: 04/21/25 16:00

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	1100		250	130	mg/L			05/01/25 11:20	250

Client Sample ID: 15 1.0 MnOOH
Lab Sample ID: 410-218318-5

Date Collected: 04/17/25 13:40
Matrix: Water
Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	350		150	50	mg/L			05/03/25 04:44	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.017	J	0.050	0.016	mg/L		04/29/25 06:00	04/29/25 18:04	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 18:04	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 18:04	1
Chromium	0.22		0.015	0.0030	mg/L		04/29/25 06:00	04/29/25 18:04	1
Cobalt	0.21		0.0050	0.0015	mg/L		04/29/25 06:00	04/29/25 18:04	1
Iron	2.9		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 18:04	1
Lithium	0.014	J	0.050	0.011	mg/L		04/29/25 06:00	04/29/25 18:04	1
Magnesium	34		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 18:04	1
Manganese	3.5		0.010	0.0030	mg/L		04/29/25 06:00	04/29/25 18:04	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/29/25 06:00	04/29/25 18:04	1
Potassium	13		10	2.5	mg/L		04/29/25 06:00	04/29/25 18:07	10
Selenium	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 18:04	1
Sodium	2800		10	4.0	mg/L		04/29/25 06:00	04/29/25 18:07	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/08/25 07:40	05/08/25 10:09	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/08/25 07:40	05/08/25 10:09	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/08/25 07:40	05/08/25 10:09	1
Cobalt	0.0022	J	0.0052	0.0015	mg/L		05/08/25 07:40	05/08/25 10:09	1
Lithium	<0.011		0.052	0.011	mg/L		05/08/25 07:40	05/08/25 10:09	1
Manganese	0.024		0.010	0.0031	mg/L		05/08/25 07:40	05/08/25 10:09	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/08/25 07:40	05/08/25 10:09	1
Selenium	0.016	J	0.052	0.016	mg/L		05/08/25 07:40	05/08/25 10:09	1
Chromium	0.37		0.015	0.0031	mg/L		05/08/25 07:40	05/08/25 10:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	930		250	130	mg/L			05/01/25 11:36	250

Client Sample ID: 15 0.05 Mn(OH)2
Lab Sample ID: 410-218318-6

Date Collected: 04/17/25 14:00
Matrix: Water
Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	420		150	50	mg/L			05/02/25 03:13	100

Client Sample ID: 15 0.05 Mn(OH)2

Lab Sample ID: 410-218318-6

Date Collected: 04/17/25 14:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/29/25 06:00	04/29/25 18:00	10
Beryllium	<0.010		0.050	0.010	mg/L		04/29/25 06:00	04/29/25 18:00	10
Cadmium	<0.010		0.050	0.010	mg/L		04/29/25 06:00	04/29/25 18:00	10
Chromium	**0.14**	**J**	0.15	0.030	mg/L		04/29/25 06:00	04/29/25 18:00	10
Cobalt	**0.72**		0.050	0.015	mg/L		04/29/25 06:00	04/29/25 18:00	10
Iron	**9.1**		2.0	0.80	mg/L		04/29/25 06:00	04/29/25 18:00	10
Lithium	**0.13**	**J**	0.50	0.11	mg/L		04/29/25 06:00	04/29/25 18:00	10
Magnesium	**50**		2.0	0.80	mg/L		04/29/25 06:00	04/29/25 18:00	10
Manganese	**17**		0.10	0.030	mg/L		04/29/25 06:00	04/29/25 18:00	10
Molybdenum	<0.020		0.10	0.020	mg/L		04/29/25 06:00	04/29/25 18:00	10
Potassium	**18**		10	2.5	mg/L		04/29/25 06:00	04/29/25 18:00	10
Selenium	<0.16		0.50	0.16	mg/L		04/29/25 06:00	04/29/25 18:00	10
Sodium	**3000**		10	4.0	mg/L		04/29/25 06:00	04/29/25 18:00	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:37	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:37	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:37	1
Cobalt	**0.0051**	**J**	0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 20:37	1
Lithium	<0.23		1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:29	20
Manganese	**0.070**		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 20:37	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 20:37	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:37	1
Chromium	**0.034**		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 20:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1300**		250	130	mg/L			05/01/25 11:51	250

Client Sample ID: 15 0.1 Mn(OH)2

Lab Sample ID: 410-218318-7

Date Collected: 04/17/25 14:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**420**		380	130	mg/L			05/02/25 14:43	250

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 19:24	1
Beryllium	**0.0010**	**J**	0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 19:24	1
Cadmium	**0.0021**	**J**	0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 19:24	1
Chromium	**0.37**		0.015	0.0030	mg/L		04/28/25 06:48	04/28/25 19:24	1
Cobalt	**0.10**		0.0050	0.0015	mg/L		04/28/25 06:48	04/28/25 19:24	1
Iron	**100**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 19:24	1
Lithium	<0.011		0.050	0.011	mg/L		04/28/25 06:48	04/28/25 19:24	1
Magnesium	**36**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 19:24	1
Manganese	**4.1**		0.010	0.0030	mg/L		04/28/25 06:48	04/28/25 19:24	1
Molybdenum	**0.0024**	**J**	0.010	0.0020	mg/L		04/28/25 06:48	04/28/25 19:24	1

Client Sample ID: 15 0.1 Mn(OH)2

Lab Sample ID: 410-218318-7

Date Collected: 04/17/25 14:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**14**	**J**	20	5.0	mg/L		04/28/25 06:48	04/28/25 22:48	20
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 19:24	1
Sodium	**3500**	**^2**	20	8.0	mg/L		04/28/25 06:48	04/28/25 22:48	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:21	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:21	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:21	1
Cobalt	**0.031**		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 21:21	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 21:24	20
Manganese	**1.6**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 21:21	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 21:21	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:21	1
Chromium	**0.17**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 21:21	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**950**		250	130	mg/L			05/01/25 12:37	250

Client Sample ID: 15 1.0 Mn(OH)2

Lab Sample ID: 410-218318-8

Date Collected: 04/17/25 14:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**420**		75	25	mg/L			05/02/25 17:34	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 19:41	1
Beryllium	<0.010		0.050	0.010	mg/L		04/27/25 02:13	04/27/25 19:41	1
Cadmium	<0.010		0.050	0.010	mg/L		04/27/25 02:13	04/27/25 19:41	1
Chromium	**1.2**		0.15	0.030	mg/L		04/27/25 02:13	04/27/25 19:41	1
Cobalt	**0.61**		0.050	0.015	mg/L		04/27/25 02:13	04/27/25 19:41	1
Iron	**580**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 19:41	1
Lithium	<0.11		0.50	0.11	mg/L		04/27/25 02:13	04/27/25 19:41	1
Magnesium	**58**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 19:41	1
Manganese	**82**		0.10	0.030	mg/L		04/27/25 02:13	04/27/25 19:41	1
Molybdenum	<0.020		0.10	0.020	mg/L		04/27/25 02:13	04/27/25 19:41	1
Potassium	**30**		10	2.5	mg/L		04/27/25 02:13	04/27/25 19:41	1
Selenium	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 19:41	1
Sodium	**3100**		10	4.0	mg/L		04/27/25 02:13	04/27/25 19:41	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:02	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:02	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:02	1
Cobalt	**0.0044**	**J**	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 21:02	1

Client Sample ID: 15 1.0 Mn(OH)2

Lab Sample ID: 410-218318-8

Date Collected: 04/17/25 14:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 21:05	20
Manganese	**0.40**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 21:02	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 21:02	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:02	1
Chromium	**0.29**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 21:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1100**		250	130	mg/L			05/01/25 12:53	250

Client Sample ID: 15 0.1 Mn2O3

Lab Sample ID: 410-218318-9

Date Collected: 04/17/25 15:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**470**		150	50	mg/L			05/05/25 11:35	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 19:44	1
Beryllium	**0.015**	**J**	0.050	0.010	mg/L		04/27/25 02:13	04/27/25 19:44	1
Cadmium	<0.010		0.050	0.010	mg/L		04/27/25 02:13	04/27/25 19:44	1
Chromium	**3.0**		0.15	0.030	mg/L		04/27/25 02:13	04/27/25 19:44	1
Cobalt	**1.2**		0.050	0.015	mg/L		04/27/25 02:13	04/27/25 19:44	1
Iron	**1400**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 19:44	1
Lithium	<0.11		0.50	0.11	mg/L		04/27/25 02:13	04/27/25 19:44	1
Magnesium	**79**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 19:44	1
Manganese	**34**		0.10	0.030	mg/L		04/27/25 02:13	04/27/25 19:44	1
Molybdenum	<0.020		0.10	0.020	mg/L		04/27/25 02:13	04/27/25 19:44	1
Potassium	**35**		10	2.5	mg/L		04/27/25 02:13	04/27/25 19:44	1
Selenium	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 19:44	1
Sodium	**3000**		10	4.0	mg/L		04/27/25 02:13	04/27/25 19:44	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:46	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:46	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:46	1
Cobalt	**0.023**		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 21:46	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 22:03	20
Manganese	**1.4**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 21:46	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 21:46	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:46	1
Chromium	**0.44**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 21:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1300**		250	130	mg/L			05/01/25 13:08	250

Client Sample ID: 15 1.0 Mn2O3

Lab Sample ID: 410-218318-10

Date Collected: 04/17/25 15:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**470**		150	50	mg/L			05/03/25 04:24	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 20:06	1
Beryllium	**0.022**	**J**	0.050	0.010	mg/L		04/27/25 02:13	04/27/25 20:06	1
Cadmium	**0.018**	**J**	0.050	0.010	mg/L		04/27/25 02:13	04/27/25 20:06	1
Chromium	**4.7**		0.15	0.030	mg/L		04/27/25 02:13	04/27/25 20:06	1
Cobalt	**2.0**		0.050	0.015	mg/L		04/27/25 02:13	04/27/25 20:06	1
Iron	**2000**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 20:06	1
Lithium	<0.11		0.50	0.11	mg/L		04/27/25 02:13	04/27/25 20:06	1
Magnesium	**110**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 20:06	1
Manganese	**120**		0.10	0.030	mg/L		04/27/25 02:13	04/27/25 20:06	1
Molybdenum	<0.020		0.10	0.020	mg/L		04/27/25 02:13	04/27/25 20:06	1
Potassium	**49**		10	2.5	mg/L		04/27/25 02:13	04/27/25 20:06	1
Selenium	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 20:06	1
Sodium	**2300**	**^2**	10	4.0	mg/L		04/27/25 02:13	04/27/25 20:06	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:49	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:49	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:49	1
Cobalt	**0.032**		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 21:49	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 22:06	20
Manganese	**1.7**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 21:49	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 21:49	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:49	1
Chromium	**0.47**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 21:49	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**840**		250	130	mg/L			05/01/25 13:23	250

Client Sample ID: 15 0.1 KMnO4

Lab Sample ID: 410-218318-11

Date Collected: 04/17/25 15:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**420**		75	25	mg/L			05/03/25 04:04	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 19:38	1
Beryllium	<0.010		0.050	0.010	mg/L		04/27/25 02:13	04/27/25 19:38	1
Cadmium	<0.010		0.050	0.010	mg/L		04/27/25 02:13	04/27/25 19:38	1
Chromium	**0.94**		0.15	0.030	mg/L		04/27/25 02:13	04/27/25 19:38	1
Cobalt	**0.19**		0.050	0.015	mg/L		04/27/25 02:13	04/27/25 19:38	1
Iron	**180**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 19:38	1

Client Sample ID: 15 0.1 KMnO4

Lab Sample ID: 410-218318-11

Date Collected: 04/17/25 15:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.11		0.50	0.11	mg/L		04/27/25 02:13	04/27/25 19:38	1
Magnesium	**45**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 19:38	1
Manganese	**4.1**		0.10	0.030	mg/L		04/27/25 02:13	04/27/25 19:38	1
Molybdenum	<0.020		0.10	0.020	mg/L		04/27/25 02:13	04/27/25 19:38	1
Potassium	**17**		10	2.5	mg/L		04/27/25 02:13	04/27/25 19:38	1
Selenium	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 19:38	1
Sodium	**2700**		10	4.0	mg/L		04/27/25 02:13	04/27/25 19:38	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:08	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:08	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:08	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 21:08	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 21:11	20
Manganese	**0.24**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 21:08	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 21:08	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:08	1
Chromium	**0.63**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 21:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**790**		250	130	mg/L			05/01/25 13:38	250

Client Sample ID: 15 1.0 KMnO4

Lab Sample ID: 410-218318-12

Date Collected: 04/17/25 16:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**380**		150	50	mg/L			05/02/25 05:53	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 20:41	1
Beryllium	<0.010		0.050	0.010	mg/L		04/27/25 02:13	04/27/25 20:41	1
Cadmium	<0.010		0.050	0.010	mg/L		04/27/25 02:13	04/27/25 20:41	1
Chromium	**2.0**		0.15	0.030	mg/L		04/27/25 02:13	04/27/25 20:41	1
Cobalt	**0.91**		0.050	0.015	mg/L		04/27/25 02:13	04/27/25 20:41	1
Iron	**660**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 20:41	1
Lithium	<0.11		0.50	0.11	mg/L		04/27/25 02:13	04/27/25 20:41	1
Magnesium	**77**		2.0	0.80	mg/L		04/27/25 02:13	04/27/25 20:41	1
Manganese	**120**		0.10	0.030	mg/L		04/27/25 02:13	04/27/25 20:41	1
Molybdenum	<0.020		0.10	0.020	mg/L		04/27/25 02:13	04/27/25 20:41	1
Potassium	**63**		10	2.5	mg/L		04/27/25 02:13	04/27/25 20:41	1
Selenium	<0.16		0.50	0.16	mg/L		04/27/25 02:13	04/27/25 20:41	1
Sodium	**3300**	**^2**	10	4.0	mg/L		04/27/25 02:13	04/27/25 20:41	1

Client: Terra Systems Inc
Job ID: 410-218318-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 15 1.0 KMnO4
Lab Sample ID: 410-218318-12
Date Collected: 04/17/25 16:00
Matrix: Water
Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.082		0.26	0.082	mg/L		04/29/25 10:00	04/29/25 21:51	1
Beryllium	<0.0052		0.026	0.0052	mg/L		04/29/25 10:00	04/29/25 21:51	1
Cadmium	<0.0052		0.026	0.0052	mg/L		04/29/25 10:00	04/29/25 21:51	1
Cobalt	<0.0077		0.026	0.0077	mg/L		04/29/25 10:00	04/29/25 21:51	1
Lithium	<0.057		0.26	0.057	mg/L		04/29/25 10:00	04/29/25 21:51	1
Manganese	**91**		0.052	0.015	mg/L		04/29/25 10:00	04/29/25 21:51	1
Molybdenum	<0.010		0.052	0.010	mg/L		04/29/25 10:00	04/29/25 21:51	1
Selenium	<0.082		0.26	0.082	mg/L		04/29/25 10:00	04/29/25 21:51	1
Chromium	**0.78**		0.077	0.015	mg/L		04/29/25 10:00	04/29/25 21:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1200**		250	130	mg/L			05/01/25 13:54	250

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-638666/5
Matrix: Water
Analysis Batch: 638666

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 02:43	1

Lab Sample ID: LCS 410-638666/3
Matrix: Water
Analysis Batch: 638666

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			7.50	7.76		mg/L		103	90 - 110		

Lab Sample ID: LCSD 410-638666/4
Matrix: Water
Analysis Batch: 638666

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
Sulfate			7.50	7.77		mg/L		104	90 - 110	0	20

Lab Sample ID: 410-218318-6 MS
Matrix: Water
Analysis Batch: 638666

Client Sample ID: 15 0.05 Mn(OH)2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	420		500	939		mg/L		104	90 - 110		

Lab Sample ID: 410-218318-6 DU
Matrix: Water
Analysis Batch: 638666

Client Sample ID: 15 0.05 Mn(OH)2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfate	420			416		mg/L				0.07	15

Lab Sample ID: MB 410-638800/5
Matrix: Water
Analysis Batch: 638800

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 09:53	1

Lab Sample ID: LCS 410-638800/3
Matrix: Water
Analysis Batch: 638800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			7.50	7.54		mg/L		101	90 - 110		

Lab Sample ID: LCSD 410-638800/4
Matrix: Water
Analysis Batch: 638800

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
Sulfate			7.50	7.53		mg/L		100	90 - 110	0	20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-638892/5
Matrix: Water
Analysis Batch: 638892

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 19:44	1

Lab Sample ID: LCS 410-638892/3
Matrix: Water
Analysis Batch: 638892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			7.50	7.51		mg/L		100	90 - 110		

Lab Sample ID: LCSD 410-638892/4
Matrix: Water
Analysis Batch: 638892

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
Sulfate			7.50	7.49		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 410-639521/5
Matrix: Water
Analysis Batch: 639521

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/05/25 09:00	1

Lab Sample ID: LCS 410-639521/3
Matrix: Water
Analysis Batch: 639521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate			7.50	7.69		mg/L		102	90 - 110		

Lab Sample ID: LCSD 410-639521/4
Matrix: Water
Analysis Batch: 639521

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
Sulfate			7.50	7.59		mg/L		101	90 - 110	1	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-635234/1-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 18:18	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 18:18	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 18:18	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/28/25 12:11	04/28/25 18:18	1
Lithium	<0.011		0.052	0.011	mg/L		04/28/25 12:11	04/28/25 18:18	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/28/25 12:11	04/28/25 18:18	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-635234/1-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/28/25 12:11	04/28/25 18:18	1
Selenium	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 18:18	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/28/25 12:11	04/28/25 18:18	1

Lab Sample ID: LCS 410-635234/2-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.512		mg/L		102	90 - 115
Beryllium	0.0500	0.0519		mg/L		104	90 - 110
Cadmium	0.0500	0.0517		mg/L		103	90 - 113
Cobalt	0.500	0.516		mg/L		103	90 - 113
Lithium	0.500	0.494		mg/L		99	88 - 113
Manganese	0.500	0.510		mg/L		102	90 - 111
Molybdenum	0.0500	0.0500		mg/L		100	85 - 113
Selenium	0.100	0.104		mg/L		104	80 - 120
Chromium	0.500	0.517		mg/L		103	90 - 112

Lab Sample ID: MB 410-636936/1-A
Matrix: Water
Analysis Batch: 637371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:49	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:49	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:49	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 19:49	1
Lithium	<0.011		0.052	0.011	mg/L		04/29/25 10:00	04/29/25 19:49	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 19:49	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 19:49	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:49	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 19:49	1

Lab Sample ID: LCS 410-636936/2-A
Matrix: Water
Analysis Batch: 637675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.518		mg/L		104	90 - 115
Beryllium	0.0500	0.0524		mg/L		105	90 - 110
Cadmium	0.0500	0.0513		mg/L		103	90 - 113
Cobalt	0.500	0.521		mg/L		104	90 - 113
Lithium	0.500	0.520		mg/L		104	88 - 113
Manganese	0.500	0.511		mg/L		102	90 - 111
Molybdenum	0.0500	0.0489		mg/L		98	85 - 113
Selenium	0.100	0.110		mg/L		110	80 - 120
Chromium	0.500	0.521		mg/L		104	90 - 112

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-637350/1-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 18:24	1
Lithium	<0.011		0.052	0.011	mg/L		04/30/25 09:30	04/30/25 18:24	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 18:24	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1

Lab Sample ID: LCS 410-637350/2-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.512		mg/L		102	90 - 115
Beryllium	0.0500	0.0533		mg/L		107	90 - 110
Cadmium	0.0500	0.0518		mg/L		104	90 - 113
Cobalt	0.500	0.511		mg/L		102	90 - 113
Lithium	0.500	0.505		mg/L		101	88 - 113
Manganese	0.500	0.527		mg/L		105	90 - 111
Molybdenum	0.0500	0.0430		mg/L		86	85 - 113
Selenium	0.100	0.100		mg/L		100	80 - 120
Chromium	0.500	0.526		mg/L		105	90 - 112

Lab Sample ID: MB 410-641170/1-A
Matrix: Water
Analysis Batch: 641393

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 641170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/08/25 07:40	05/08/25 08:57	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/08/25 07:40	05/08/25 08:57	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/08/25 07:40	05/08/25 08:57	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		05/08/25 07:40	05/08/25 08:57	1
Lithium	<0.011		0.052	0.011	mg/L		05/08/25 07:40	05/08/25 08:57	1
Manganese	<0.0031		0.010	0.0031	mg/L		05/08/25 07:40	05/08/25 08:57	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/08/25 07:40	05/08/25 08:57	1
Selenium	<0.016		0.052	0.016	mg/L		05/08/25 07:40	05/08/25 08:57	1
Chromium	<0.0031		0.015	0.0031	mg/L		05/08/25 07:40	05/08/25 08:57	1

Lab Sample ID: LCS 410-641170/2-A
Matrix: Water
Analysis Batch: 641393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 641170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.514		mg/L		103	90 - 115
Beryllium	0.0500	0.0512		mg/L		102	90 - 110
Cadmium	0.0500	0.0525		mg/L		105	90 - 113
Cobalt	0.500	0.519		mg/L		104	90 - 113

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-641170/2-A
Matrix: Water
Analysis Batch: 641393

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 641170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.500	0.506		mg/L		101	88 - 113
Manganese	0.500	0.517		mg/L		103	90 - 111
Molybdenum	0.0500	0.0515		mg/L		103	85 - 113
Selenium	0.100	0.108		mg/L		108	80 - 120
Chromium	0.500	0.516		mg/L		103	90 - 112

Lab Sample ID: MB 410-635247/1-A
Matrix: Water
Analysis Batch: 637376

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 16:42	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 16:42	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 16:42	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/29/25 06:00	04/29/25 16:42	1
Iron	<0.080		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 16:42	1
Lithium	<0.011		0.050	0.011	mg/L		04/29/25 06:00	04/29/25 16:42	1
Magnesium	<0.080		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 16:42	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/29/25 06:00	04/29/25 16:42	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/29/25 06:00	04/29/25 16:42	1
Potassium	<0.25		1.0	0.25	mg/L		04/29/25 06:00	04/29/25 16:42	1
Selenium	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 16:42	1
Sodium	<0.40		1.0	0.40	mg/L		04/29/25 06:00	04/29/25 16:42	1
Chromium	<0.0030		0.015	0.0030	mg/L		04/29/25 06:00	04/29/25 16:42	1

Lab Sample ID: LCS 410-635247/2-A
Matrix: Water
Analysis Batch: 637376

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.510		mg/L		102	90 - 115
Beryllium	0.0500	0.0538		mg/L		108	90 - 110
Cadmium	0.0500	0.0523		mg/L		105	90 - 113
Cobalt	0.500	0.509		mg/L		102	90 - 113
Iron	5.00	5.19		mg/L		104	87 - 114
Lithium	0.500	0.513		mg/L		103	88 - 113
Magnesium	5.00	5.26		mg/L		105	90 - 111
Manganese	0.500	0.539		mg/L		108	90 - 111
Molybdenum	0.0500	0.0485		mg/L		97	85 - 113
Potassium	5.00	5.52		mg/L		110	88 - 118
Selenium	0.100	0.106		mg/L		106	80 - 120
Sodium	5.00	5.07		mg/L		101	88 - 118
Chromium	0.500	0.534		mg/L		107	90 - 112

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-635303/1-A
Matrix: Water
Analysis Batch: 636215

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/27/25 02:13	04/27/25 18:33	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/27/25 02:13	04/27/25 18:33	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/27/25 02:13	04/27/25 18:33	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/27/25 02:13	04/27/25 18:33	1
Iron	<0.080		0.20	0.080	mg/L		04/27/25 02:13	04/27/25 18:33	1
Lithium	<0.011		0.050	0.011	mg/L		04/27/25 02:13	04/27/25 18:33	1
Magnesium	<0.080		0.20	0.080	mg/L		04/27/25 02:13	04/27/25 18:33	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/27/25 02:13	04/27/25 18:33	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/27/25 02:13	04/27/25 18:33	1
Potassium	<0.25		1.0	0.25	mg/L		04/27/25 02:13	04/27/25 18:33	1
Selenium	<0.016		0.050	0.016	mg/L		04/27/25 02:13	04/27/25 18:33	1
Sodium	<0.40		1.0	0.40	mg/L		04/27/25 02:13	04/27/25 18:33	1
Chromium	<0.0030		0.015	0.0030	mg/L		04/27/25 02:13	04/27/25 18:33	1

Lab Sample ID: LCS 410-635303/2-A
Matrix: Water
Analysis Batch: 636215

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.498		mg/L		100	90 - 115
Beryllium	0.0500	0.0509		mg/L		102	90 - 110
Cadmium	0.0500	0.0501		mg/L		100	90 - 113
Cobalt	0.500	0.499		mg/L		100	90 - 113
Iron	5.00	5.06		mg/L		101	87 - 114
Lithium	0.500	0.501		mg/L		100	88 - 113
Magnesium	5.00	5.09		mg/L		102	90 - 111
Manganese	0.500	0.498		mg/L		100	90 - 111
Molybdenum	0.0500	0.0494		mg/L		99	85 - 113
Potassium	5.00	4.98		mg/L		100	88 - 118
Selenium	0.100	0.0977		mg/L		98	80 - 120
Sodium	5.00	4.99		mg/L		100	88 - 118
Chromium	0.500	0.502		mg/L		100	90 - 112

Lab Sample ID: LCSD 410-635303/3-A
Matrix: Water
Analysis Batch: 636215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 635303

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.500	0.530		mg/L		106	90 - 115	6	20
Beryllium	0.0500	0.0533		mg/L		107	90 - 110	5	20
Cadmium	0.0500	0.0538		mg/L		108	90 - 113	7	20
Cobalt	0.500	0.537		mg/L		107	90 - 113	7	20
Iron	5.00	5.32		mg/L		106	87 - 114	5	20
Lithium	0.500	0.522		mg/L		104	88 - 113	4	20
Magnesium	5.00	5.32		mg/L		106	90 - 111	4	20
Manganese	0.500	0.521		mg/L		104	90 - 111	4	20
Molybdenum	0.0500	0.0530		mg/L		106	85 - 113	7	20
Potassium	5.00	5.34		mg/L		107	88 - 118	7	20
Selenium	0.100	0.107		mg/L		107	80 - 120	10	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 410-635303/3-A
Matrix: Water
Analysis Batch: 636215

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 635303

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sodium	5.00	5.22		mg/L		104	88 - 118	5	20
Chromium	0.500	0.527		mg/L		105	90 - 112	5	20

Lab Sample ID: MB 410-636061/1-A
Matrix: Water
Analysis Batch: 636753

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 18:05	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 18:05	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 18:05	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/28/25 06:48	04/28/25 18:05	1
Iron	<0.080		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 18:05	1
Lithium	<0.011		0.050	0.011	mg/L		04/28/25 06:48	04/28/25 18:05	1
Magnesium	<0.080		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 18:05	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/28/25 06:48	04/28/25 18:05	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/28/25 06:48	04/28/25 18:05	1
Potassium	<0.25		1.0	0.25	mg/L		04/28/25 06:48	04/28/25 18:05	1
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 18:05	1
Sodium	<0.40		1.0	0.40	mg/L		04/28/25 06:48	04/28/25 18:05	1
Chromium	<0.0030		0.015	0.0030	mg/L		04/28/25 06:48	04/28/25 18:05	1

Lab Sample ID: LCS 410-636061/2-A
Matrix: Water
Analysis Batch: 636753

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.540		mg/L		108	90 - 115
Beryllium	0.0500	0.0527		mg/L		105	90 - 110
Cadmium	0.0500	0.0538		mg/L		108	90 - 113
Cobalt	0.500	0.520		mg/L		104	90 - 113
Iron	5.00	5.23		mg/L		105	87 - 114
Lithium	0.500	0.505		mg/L		101	88 - 113
Magnesium	5.00	5.29		mg/L		106	90 - 111
Manganese	0.500	0.539		mg/L		108	90 - 111
Molybdenum	0.0500	0.0527		mg/L		105	85 - 113
Potassium	5.00	5.19		mg/L		104	88 - 118
Selenium	0.100	0.108		mg/L		108	80 - 120
Sodium	5.00	5.19		mg/L		104	88 - 118
Chromium	0.500	0.524		mg/L		105	90 - 112

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 410-638348/20
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon	<0.50		1.0	0.50	mg/L			05/01/25 00:55	1

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: MB 410-638348/47
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon	<0.50		1.0	0.50	mg/L			05/01/25 07:47	1

Lab Sample ID: MB 410-638348/7
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon	<0.50		1.0	0.50	mg/L			04/30/25 21:36	1

Lab Sample ID: LCS 410-638348/45
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Carbon	25.0	24.6		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-638348/19
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Carbon	25.0	24.7		mg/L		99	90 - 110	3	15

Lab Sample ID: LCSD 410-638348/46
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Carbon	25.0	24.7		mg/L		99	90 - 110	0	15

Lab Sample ID: MRL 410-638348/74
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Carbon	1.00	0.981	J	mg/L		98	50 - 150
Dissolved Inorganic Carbon	1.00	0.981	J	mg/L		98	

HPLC/IC

Analysis Batch: 638666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-6	15 0.05 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218318-12	15 1.0 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638666/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638666/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638666/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	
410-218318-6 MS	15 0.05 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218318-6 DU	15 0.05 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-7	15 0.1 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218318-8	15 1.0 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638800/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638800/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638800/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-1	15 Control	Total/NA	Water	EPA 300.0 R2.1	
410-218318-2	15 20 SB	Total/NA	Water	EPA 300.0 R2.1	
410-218318-3	15 0.05 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218318-4	15 0.1 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218318-5	15 1.0 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218318-10	15 1.0 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218318-11	15 0.1 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638892/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638892/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638892/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 639521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-9	15 0.1 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
MB 410-639521/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-639521/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-639521/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 635234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-1	15 Control	Dissolved	Water	Non-Digest Prep	
MB 410-635234/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-635234/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 635247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-1	15 Control	Total Recoverable	Water	3005A	
410-218318-2	15 20 SB	Total Recoverable	Water	3005A	
410-218318-4	15 0.1 MnOOH	Total Recoverable	Water	3005A	
410-218318-5	15 1.0 MnOOH	Total Recoverable	Water	3005A	
410-218318-6	15 0.05 Mn(OH)2	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 635247 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-635247/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-635247/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 635303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-8	15 1.0 Mn(OH)2	Total Recoverable	Water	3005A	
410-218318-9	15 0.1 Mn2O3	Total Recoverable	Water	3005A	
410-218318-10	15 1.0 Mn2O3	Total Recoverable	Water	3005A	
410-218318-11	15 0.1 KMnO4	Total Recoverable	Water	3005A	
410-218318-12	15 1.0 KMnO4	Total Recoverable	Water	3005A	
MB 410-635303/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-635303/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 410-635303/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Prep Batch: 636061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-3	15 0.05 MnOOH	Total Recoverable	Water	3005A	
410-218318-7	15 0.1 Mn(OH)2	Total Recoverable	Water	3005A	
MB 410-636061/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-636061/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 636215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-8	15 1.0 Mn(OH)2	Total Recoverable	Water	6010D	635303
410-218318-9	15 0.1 Mn2O3	Total Recoverable	Water	6010D	635303
410-218318-10	15 1.0 Mn2O3	Total Recoverable	Water	6010D	635303
410-218318-11	15 0.1 KMnO4	Total Recoverable	Water	6010D	635303
410-218318-12	15 1.0 KMnO4	Total Recoverable	Water	6010D	635303
MB 410-635303/1-A	Method Blank	Total Recoverable	Water	6010D	635303
LCS 410-635303/2-A	Lab Control Sample	Total Recoverable	Water	6010D	635303
LCSD 410-635303/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	635303

Analysis Batch: 636753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-3	15 0.05 MnOOH	Total Recoverable	Water	6010D	636061
410-218318-7	15 0.1 Mn(OH)2	Total Recoverable	Water	6010D	636061
MB 410-636061/1-A	Method Blank	Total Recoverable	Water	6010D	636061
LCS 410-636061/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636061

Analysis Batch: 636776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-1	15 Control	Dissolved	Water	6010D	635234
410-218318-7	15 0.1 Mn(OH)2	Total Recoverable	Water	6010D	636061
MB 410-635234/1-A	Method Blank	Total/NA	Water	6010D	635234
LCS 410-635234/2-A	Lab Control Sample	Total/NA	Water	6010D	635234

Prep Batch: 636936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-2	15 20 SB	Dissolved	Water	Non-Digest Prep	
410-218318-3	15 0.05 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218318-4	15 0.1 MnOOH	Dissolved	Water	Non-Digest Prep	

Metals (Continued)

Prep Batch: 636936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-6	15 0.05 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218318-12	15 1.0 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-636936/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-636936/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 637350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-7	15 0.1 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218318-8	15 1.0 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218318-9	15 0.1 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218318-10	15 1.0 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218318-11	15 0.1 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-637350/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 637371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-2	15 20 SB	Dissolved	Water	6010D	636936
410-218318-3	15 0.05 MnOOH	Dissolved	Water	6010D	636936
410-218318-4	15 0.1 MnOOH	Dissolved	Water	6010D	636936
410-218318-6	15 0.05 Mn(OH)2	Dissolved	Water	6010D	636936
410-218318-12	15 1.0 KMnO4	Dissolved	Water	6010D	636936
MB 410-636936/1-A	Method Blank	Total/NA	Water	6010D	636936

Analysis Batch: 637376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-1	15 Control	Total Recoverable	Water	6010D	635247
410-218318-2	15 20 SB	Dissolved	Water	6010D	636936
410-218318-2	15 20 SB	Total Recoverable	Water	6010D	635247
410-218318-3	15 0.05 MnOOH	Dissolved	Water	6010D	636936
410-218318-4	15 0.1 MnOOH	Dissolved	Water	6010D	636936
410-218318-4	15 0.1 MnOOH	Total Recoverable	Water	6010D	635247
410-218318-5	15 1.0 MnOOH	Total Recoverable	Water	6010D	635247
410-218318-5	15 1.0 MnOOH	Total Recoverable	Water	6010D	635247
410-218318-6	15 0.05 Mn(OH)2	Dissolved	Water	6010D	636936
410-218318-6	15 0.05 Mn(OH)2	Total Recoverable	Water	6010D	635247
MB 410-635247/1-A	Method Blank	Total Recoverable	Water	6010D	635247
LCS 410-635247/2-A	Lab Control Sample	Total Recoverable	Water	6010D	635247

Analysis Batch: 637675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-636936/2-A	Lab Control Sample	Total/NA	Water	6010D	636936

Analysis Batch: 637957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-7	15 0.1 Mn(OH)2	Dissolved	Water	6010D	637350
410-218318-7	15 0.1 Mn(OH)2	Dissolved	Water	6010D	637350
410-218318-8	15 1.0 Mn(OH)2	Dissolved	Water	6010D	637350
410-218318-8	15 1.0 Mn(OH)2	Dissolved	Water	6010D	637350
410-218318-9	15 0.1 Mn2O3	Dissolved	Water	6010D	637350
410-218318-9	15 0.1 Mn2O3	Dissolved	Water	6010D	637350

Metals (Continued)

Analysis Batch: 637957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-10	15 1.0 Mn2O3	Dissolved	Water	6010D	637350
410-218318-10	15 1.0 Mn2O3	Dissolved	Water	6010D	637350
410-218318-11	15 0.1 KMnO4	Dissolved	Water	6010D	637350
410-218318-11	15 0.1 KMnO4	Dissolved	Water	6010D	637350
MB 410-637350/1-A	Method Blank	Total/NA	Water	6010D	637350
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	6010D	637350

Prep Batch: 641170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-5	15 1.0 MnOOH	Dissolved	Water	Non-Digest Prep	
MB 410-641170/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-641170/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 641393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-5	15 1.0 MnOOH	Dissolved	Water	6010D	641170
MB 410-641170/1-A	Method Blank	Total/NA	Water	6010D	641170
LCS 410-641170/2-A	Lab Control Sample	Total/NA	Water	6010D	641170

General Chemistry

Analysis Batch: 638348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218318-1	15 Control	Dissolved	Water	5310 C-2014	
410-218318-2	15 20 SB	Dissolved	Water	5310 C-2014	
410-218318-3	15 0.05 MnOOH	Dissolved	Water	5310 C-2014	
410-218318-4	15 0.1 MnOOH	Dissolved	Water	5310 C-2014	
410-218318-5	15 1.0 MnOOH	Dissolved	Water	5310 C-2014	
410-218318-6	15 0.05 Mn(OH)2	Dissolved	Water	5310 C-2014	
410-218318-7	15 0.1 Mn(OH)2	Dissolved	Water	5310 C-2014	
410-218318-8	15 1.0 Mn(OH)2	Dissolved	Water	5310 C-2014	
410-218318-9	15 0.1 Mn2O3	Dissolved	Water	5310 C-2014	
410-218318-10	15 1.0 Mn2O3	Dissolved	Water	5310 C-2014	
410-218318-11	15 0.1 KMnO4	Dissolved	Water	5310 C-2014	
410-218318-12	15 1.0 KMnO4	Dissolved	Water	5310 C-2014	
MB 410-638348/20	Method Blank	Dissolved	Water	5310 C-2014	
MB 410-638348/47	Method Blank	Dissolved	Water	5310 C-2014	
MB 410-638348/7	Method Blank	Dissolved	Water	5310 C-2014	
LCS 410-638348/45	Lab Control Sample	Dissolved	Water	5310 C-2014	
LCS 410-638348/6	Lab Control Sample	Dissolved	Water	5310 C-2014	
LCSD 410-638348/19	Lab Control Sample Dup	Dissolved	Water	5310 C-2014	
LCSD 410-638348/46	Lab Control Sample Dup	Dissolved	Water	5310 C-2014	
MRL 410-638348/74	Lab Control Sample	Dissolved	Water	5310 C-2014	

Client Sample ID: 15 Control
Lab Sample ID: 410-218318-1

Date Collected: 04/17/25 12:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		10	638892	L4QM	ELLE	05/03/25 03:24
Dissolved	Prep	Non-Digest Prep			635234	UJL8	ELLE	04/28/25 12:11
Dissolved	Analysis	6010D		1	636776	T8CQ	ELLE	04/28/25 19:24
Total Recoverable	Prep	3005A			635247	UJL8	ELLE	04/29/25 06:00
Total Recoverable	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 17:42
Dissolved	Analysis	5310 C-2014		1	638348	P684	ELLE	05/01/25 10:35

Client Sample ID: 15 20 SB
Lab Sample ID: 410-218318-2

Date Collected: 04/17/25 12:40
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 05:44
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:38
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 20:46
Total Recoverable	Prep	3005A			635247	UJL8	ELLE	04/29/25 06:00
Total Recoverable	Analysis	6010D		10	637376	T8CQ	ELLE	04/29/25 18:19
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 10:50

Client Sample ID: 15 0.05 MnOOH
Lab Sample ID: 410-218318-3

Date Collected: 04/17/25 13:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 06:24
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:35
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 20:43
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		10	636753	T8CQ	ELLE	04/28/25 19:31
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 11:05

Client Sample ID: 15 0.1 MnOOH
Lab Sample ID: 410-218318-4

Date Collected: 04/17/25 13:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 06:04
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:32
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 20:40

Client Sample ID: 15 0.1 MnOOH
Lab Sample ID: 410-218318-4

Date Collected: 04/17/25 13:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			635247	UJL8	ELLE	04/29/25 06:00
Total Recoverable	Analysis	6010D		10	637376	T8CQ	ELLE	04/29/25 18:13
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 11:20

Client Sample ID: 15 1.0 MnOOH
Lab Sample ID: 410-218318-5

Date Collected: 04/17/25 13:40
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 04:44
Dissolved	Prep	Non-Digest Prep			641170	UJL8	ELLE	05/08/25 07:40
Dissolved	Analysis	6010D		1	641393	MT26	ELLE	05/08/25 10:09
Total Recoverable	Prep	3005A			635247	UJL8	ELLE	04/29/25 06:00
Total Recoverable	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 18:04
Total Recoverable	Prep	3005A			635247	UJL8	ELLE	04/29/25 06:00
Total Recoverable	Analysis	6010D		10	637376	T8CQ	ELLE	04/29/25 18:07
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 11:36

Client Sample ID: 15 0.05 Mn(OH)2
Lab Sample ID: 410-218318-6

Date Collected: 04/17/25 14:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638666	L4QM	ELLE	05/02/25 03:13
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:29
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 20:37
Total Recoverable	Prep	3005A			635247	UJL8	ELLE	04/29/25 06:00
Total Recoverable	Analysis	6010D		10	637376	T8CQ	ELLE	04/29/25 18:00
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 11:51

Client Sample ID: 15 0.1 Mn(OH)2
Lab Sample ID: 410-218318-7

Date Collected: 04/17/25 14:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		250	638800	KJQ8	ELLE	05/02/25 14:43
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 21:21
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 21:24
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		1	636753	T8CQ	ELLE	04/28/25 19:24

Client Sample ID: 15 0.1 Mn(OH)2
Lab Sample ID: 410-218318-7

Date Collected: 04/17/25 14:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636776	T8CQ	ELLE	04/28/25 22:48
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 12:37

Client Sample ID: 15 1.0 Mn(OH)2
Lab Sample ID: 410-218318-8

Date Collected: 04/17/25 14:40
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638800	KJQ8	ELLE	05/02/25 17:34
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 21:02
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 21:05
Total Recoverable	Prep	3005A			635303	UJL8	ELLE	04/27/25 02:13
Total Recoverable	Analysis	6010D		1	636215	MT26	ELLE	04/27/25 19:41
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 12:53

Client Sample ID: 15 0.1 Mn2O3
Lab Sample ID: 410-218318-9

Date Collected: 04/17/25 15:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	639521	PYC6	ELLE	05/05/25 11:35
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 21:46
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 22:03
Total Recoverable	Prep	3005A			635303	UJL8	ELLE	04/27/25 02:13
Total Recoverable	Analysis	6010D		1	636215	MT26	ELLE	04/27/25 19:44
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 13:08

Client Sample ID: 15 1.0 Mn2O3
Lab Sample ID: 410-218318-10

Date Collected: 04/17/25 15:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 04:24
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 21:49
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 22:06
Total Recoverable	Prep	3005A			635303	UJL8	ELLE	04/27/25 02:13
Total Recoverable	Analysis	6010D		1	636215	MT26	ELLE	04/27/25 20:06
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 13:23

Lab Chronicle

Client: Terra Systems Inc
Job ID: 410-218318-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 15 0.1 KMnO4
Lab Sample ID: 410-218318-11
Date Collected: 04/17/25 15:40
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638892	L4QM	ELLE	05/03/25 04:04
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 21:08
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 21:11
Total Recoverable	Prep	3005A			635303	UJL8	ELLE	04/27/25 02:13
Total Recoverable	Analysis	6010D		1	636215	MT26	ELLE	04/27/25 19:38
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 13:38

Client Sample ID: 15 1.0 KMnO4
Lab Sample ID: 410-218318-12
Date Collected: 04/17/25 16:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638666	L4QM	ELLE	05/02/25 05:53
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 21:51
Total Recoverable	Prep	3005A			635303	UJL8	ELLE	04/27/25 02:13
Total Recoverable	Analysis	6010D		1	636215	MT26	ELLE	04/27/25 20:41
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 13:54

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-218318-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
5310 C-2014		Water	Dissolved Carbon
6010D	3005A	Water	Lithium
6010D	Non-Digest Prep	Water	Lithium

Method Summary

Client: Terra Systems Inc
Job ID: 410-218318-1
Project/Site: WSP Plant Scherer CCR TS

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6010D	Metals (ICP)	SW846	ELLE
5310 C-2014	Total Organic Carbon/Persulfate - Ultrav	SM	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Terra Systems Inc
Job ID: 410-218318-1
Project/Site: WSP Plant Scherer CCR TS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-218318-1	15 Control	Water	04/17/25 12:20	04/21/25 16:00
410-218318-2	15 20 SB	Water	04/17/25 12:40	04/21/25 16:00
410-218318-3	15 0.05 MnOOH	Water	04/17/25 13:00	04/21/25 16:00
410-218318-4	15 0.1 MnOOH	Water	04/17/25 13:20	04/21/25 16:00
410-218318-5	15 1.0 MnOOH	Water	04/17/25 13:40	04/21/25 16:00
410-218318-6	15 0.05 Mn(OH)2	Water	04/17/25 14:00	04/21/25 16:00
410-218318-7	15 0.1 Mn(OH)2	Water	04/17/25 14:20	04/21/25 16:00
410-218318-8	15 1.0 Mn(OH)2	Water	04/17/25 14:40	04/21/25 16:00
410-218318-9	15 0.1 Mn2O3	Water	04/17/25 15:00	04/21/25 16:00
410-218318-10	15 1.0 Mn2O3	Water	04/17/25 15:20	04/21/25 16:00
410-218318-11	15 0.1 KMnO4	Water	04/17/25 15:40	04/21/25 16:00
410-218318-12	15 1.0 KMnO4	Water	04/17/25 16:00	04/21/25 16:00

Environme ...est/Chain of Custody

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Acct. # _____

410-218318 Chain of Custody

Client: Terra Systems, Inc.			
Project Name/#: WSP Plant Scherer CCR TS	Site ID #: Juliette GA		
Project Manager: Michael D. Lee	P.O. #: 251022-4-21-25		
Sampler: Greg Maccarone	PWSID #:		
Phone #: 302-798-9553	Quote #: 41023643		
State where samples were collected: ___ GA	For Compliance: Yes ☐ No ☑		

Ma

Analyses Requested

Preservation Codes

For Lab Use Only

SF #: _____

SCR #: _____

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil ☑ / Sediment ☐ / Tissue ☐	Water: Potable ☐ / Ground ☑ / NPDES ☐ / Surface ☐	Other:	Total # of Containers	Dis As, Be, Cd, Co, Cr, Li, Mn, Mo, Se (N)	Total As, Be, Cd, Co, Cr, Fe, K, Li, Mg (N)	Mn, Mo, Na, Se (N)	DOC (ff) (-)	SO4 (-)	Remarks
15 Control	4/17/2025	12:20		X		X		4	X	X		X	X	ff- field filtered
15 20 SB	4/17/2025	12:40		X		X		4	X	X		X	X	
15 0.05 MnOOH	4/17/2025	13:00		X		X		4	X	X		X	X	
15 0.1 MnOOH	4/17/2025	13:20		X		X		4	X	X		X	X	
15 1.0 MnOOH	4/17/2025	13:40		X		X		4	X	X		X	X	
15 0.05 ~~Mn2O3~~ Mn(OH)2	4/17/2025	14:00		X		X		4	X	X		X	X	
15 0.1 ~~Mn2O3~~ Mn(OH)2	4/17/2025	14:20		X		X		4	X	X		X	X	
15 1.0 ~~Mn2O3~~ Mn(OH)2	4/17/2025	14:40		X		X		4	X	X		X	X	
15 0.1 ~~Mn(OH)2~~ Mn2O3	4/17/2025	15:00		X		X		4	X	X		X	X	
15 1.0 ~~Mn(OH)2~~ Mn2O3	4/17/2025	15:20		X		X		4	X	X		X	X	
15 0.1 KMnO4	4/17/2025	15:40		X		X		4	X	X		X	X	
15 1.0 KMnO4	4/17/2025	16:00		X		X		4	X	X		X	X	

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: 5/5/25

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address: mlee@terrasystems.net

Phone: 302-798-9553

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B

~~EDD~~ Required? Yes ☐ No ☐ If yes, format: _____

Relinquished by:	Date	Time	Received by:	Date	Time
Michael D Lee	4/17/25	11:00		4/21/25	1100
	4/21/25	1600			

Relinquished by Commercial Carrier:

UPS _____ FedEx _____ Other _____

Temperature upon receipt R-0.1 °C (Not Frozen)

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

7045 021E

Login Sample Receipt Checklist

Client: Terra Systems Inc

Job Number: 410-218318-1

Login Number: 218318

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Cyms, Carolyn M

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Michael D Lee
Terra Systems Inc
130 Hickman Road
Suite 1
Claymont, Delaware 19703

Generated 5/6/2025 6:48:30 AM

JOB DESCRIPTION

WSP Plant Scherer CCR TS

JOB NUMBER

410-218317-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
5/6/2025 6:48:30 AM

Authorized for release by
Stephen Gordon, Senior Project Manager
Stephen.Gordon@et.eurofinsus.com
(412)525-0071

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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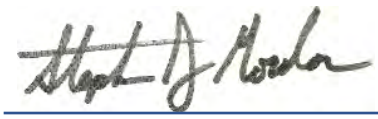


Table of Contents

Cover Page 1
Table of Contents 4
Definitions/Glossary 5
Case Narrative 6
Detection Summary 7
Client Sample Results 13
QC Sample Results 24
QC Association Summary 34
Lab Chronicle 39
Certification Summary 44
Method Summary 45
Sample Summary 46
Chain of Custody 47
Receipt Checklists 48

Definitions/Glossary

Client: Terra Systems Inc
Job ID: 410-218317-1
Project/Site: WSP Plant Scherer CCR TS

Qualifiers

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
cn	Refer to Case Narrative for further detail
F1	MS and/or MSD recovery 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.

General Chemistry

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-218317-1

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 4/21/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 18 0.1 MnOOH (410-218317-4), 18 1.0 MnOOH (410-218317-5), 18 0.05 Mn2O3 (410-218317-6) and 18 0.1 Mn2O3 (410-218317-7). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 18 0.05 MnOOH (410-218317-3), 18 0.05 Mn(OH)2 (410-218317-9), 18 0.1 Mn(OH)2 (410-218317-10), 18 1.0 Mn(OH)2 (410-218317-11), 18 0.05 KMnO4 (410-218317-12), (410-218317-I-3-A DU ^20), (410-218317-G-3-A MS ^20), (410-218317-H-3-A MSD ^20), (410-218317-F-3-A PDS ^20) and (410-218317-F-3-A SD ^100). 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.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218317-1

Client Sample ID: 18 Control — Lab Sample ID: 410-218317-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	740		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.0048	J	0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.10		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	0.13	J	0.20	0.080	mg/L	1		6010D	Total Recoverable
Lithium	0.012	J	0.050	0.011	mg/L	1		6010D	Total Recoverable
Magnesium	18		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	1.9		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	3.7		1.0	0.25	mg/L	1		6010D	Total Recoverable
Sodium	270		1.0	0.40	mg/L	1		6010D	Total Recoverable
Cobalt	0.11		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.8		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.0044	J	0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	7.2		1.0	0.50	mg/L	1		5310 C-2014	Dissolved

Client Sample ID: 18 20 SB — Lab Sample ID: 410-218317-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	820		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.033		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.0097		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	11		0.20	0.080	mg/L	1		6010D	Total Recoverable
Lithium	0.017	J	0.050	0.011	mg/L	1		6010D	Total Recoverable
Magnesium	44		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	0.27		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Molybdenum	0.0071	J	0.010	0.0020	mg/L	1		6010D	Total Recoverable
Potassium	10	J	20	5.0	mg/L	20		6010D	Total Recoverable
Sodium	4000	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Cobalt	0.032	J	0.10	0.031	mg/L	20		6010D	Dissolved
Manganese	0.76		0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Carbon	1100		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 0.05 MnOOH — Lab Sample ID: 410-218317-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	930		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.057	J	0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.076		0.025	0.0075	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18 0.05 MnOOH (Continued) — Lab Sample ID: 410-218317-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	120		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	43		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	2.6		0.050	0.015	mg/L	1		6010D	Total Recoverable
Sodium	3800		50	20	mg/L	10		6010D	Total Recoverable
Cobalt	0.0018	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.034		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.033		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1400		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 0.1 MnOOH — Lab Sample ID: 410-218317-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	920		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Beryllium	0.017		0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Chromium	0.16	J	0.30	0.060	mg/L	20		6010D	Total Recoverable
Cobalt	0.44		0.10	0.030	mg/L	20		6010D	Total Recoverable
Iron	640		4.0	1.6	mg/L	20		6010D	Total Recoverable
Magnesium	37		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	14		0.20	0.060	mg/L	20		6010D	Total Recoverable
Potassium	6.4	J	20	5.0	mg/L	20		6010D	Total Recoverable
Sodium	3900	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Cobalt	0.0015	J cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.0094	J cn	0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1000		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 1.0 MnOOH — Lab Sample ID: 410-218317-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	970		380	130	mg/L	250		EPA 300.0 R2.1	Total/NA
Chromium	0.048		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.015		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	22		0.20	0.080	mg/L	1		6010D	Total Recoverable
Magnesium	44		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	1.6		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Sodium	3500	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Manganese	0.0087	J cn	0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	950		250	130	mg/L	250		5310 C-2014	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218317-1

Client Sample ID: 18 0.05 Mn2O3 — Lab Sample ID: 410-218317-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	930		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Beryllium	0.0058		0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Chromium	0.075		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.11		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	180		0.20	0.080	mg/L	1		6010D	Total Recoverable
Magnesium	48		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	3.8		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	6.4	J	20	5.0	mg/L	20		6010D	Total Recoverable
Sodium	3600	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Cobalt	0.0047	J cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.076	cn	0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	950		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 0.1 Mn2O3 — Lab Sample ID: 410-218317-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1000		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Beryllium	0.020		0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Cadmium	0.014	J	0.050	0.010	mg/L	10		6010D	Total Recoverable
Chromium	0.23		0.15	0.030	mg/L	10		6010D	Total Recoverable
Cobalt	0.49		0.050	0.015	mg/L	10		6010D	Total Recoverable
Iron	810		2.0	0.80	mg/L	10		6010D	Total Recoverable
Lithium	0.13	J	0.50	0.11	mg/L	10		6010D	Total Recoverable
Magnesium	62		4.0	1.6	mg/L	20		6010D	Total Recoverable
Manganese	19		0.20	0.060	mg/L	20		6010D	Total Recoverable
Potassium	12		10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	3700	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Cobalt	0.0053	cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.11	cn	0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1000		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 1.0 Mn2O3 — Lab Sample ID: 410-218317-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1100		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Beryllium	0.0038	J	0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Cadmium	0.0027	J	0.0050	0.0010	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18 1.0 Mn2O3 (Continued) — Lab Sample ID: 410-218317-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.087		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.080		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	140		0.20	0.080	mg/L	1		6010D	Total Recoverable
Magnesium	46		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	13		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Molybdenum	0.0043	J	0.010	0.0020	mg/L	1		6010D	Total Recoverable
Potassium	6.3	J	20	5.0	mg/L	20		6010D	Total Recoverable
Sodium	3500	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Cobalt	0.0055		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.090		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.031		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	880		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 0.05 Mn(OH)2 — Lab Sample ID: 410-218317-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1100		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.037	J	0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.040		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	26		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	43		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	1.4		0.050	0.015	mg/L	1		6010D	Total Recoverable
Sodium	3500		50	20	mg/L	10		6010D	Total Recoverable
Cobalt	0.0026	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.050		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.038		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1100		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 0.1 Mn(OH)2 — Lab Sample ID: 410-218317-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1500		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.038	J	0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.028		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	30		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	45		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	0.99		0.050	0.015	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18 0.1 Mn(OH)2 (Continued) — Lab Sample ID: 410-218317-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	3100		50	20	mg/L	10		6010D	Total Recoverable
Cobalt	0.0035	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.096		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.039		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	940		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 1.0 Mn(OH)2 — Lab Sample ID: 410-218317-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1100		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.064	J	0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.065		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	67		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	41		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	7.0		0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	13	J	50	13	mg/L	10		6010D	Total Recoverable
Sodium	3100		50	20	mg/L	10		6010D	Total Recoverable
Manganese	0.061		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.046		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	820		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 0.05 KMnO4 — Lab Sample ID: 410-218317-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1100		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.064	J	0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.060		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	50		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	46		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	1.5		0.050	0.015	mg/L	1		6010D	Total Recoverable
Sodium	3600		50	20	mg/L	10		6010D	Total Recoverable
Manganese	0.020		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.063		0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	1200		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 0.1 KMnO4 — Lab Sample ID: 410-218317-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	1000		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.069		0.015	0.0030	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18 0.1 KMnO4 (Continued) — Lab Sample ID: 410-218317-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.028		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	4.7		0.20	0.080	mg/L	1		6010D	Total Recoverable
Lithium	0.012	J	0.050	0.011	mg/L	1		6010D	Total Recoverable
Magnesium	48		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	0.61		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	9.3	J	10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	3800		10	4.0	mg/L	10		6010D	Total Recoverable
Cobalt	0.0021	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.017		0.010	0.0031	mg/L	1		6010D	Dissolved
Chromium	0.072	F1	0.015	0.0031	mg/L	1		6010D	Dissolved
Dissolved Carbon	990		250	130	mg/L	250		5310 C-2014	Dissolved

Client Sample ID: 18 1.0 KMnO4 — Lab Sample ID: 410-218317-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	980		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.28		0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.010	J	0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	9.7		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	48		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	61		0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	31	J	50	13	mg/L	10		6010D	Total Recoverable
Selenium	0.085	J	0.25	0.080	mg/L	1		6010D	Total Recoverable
Sodium	3700		50	20	mg/L	10		6010D	Total Recoverable
Manganese	52		0.052	0.015	mg/L	1		6010D	Dissolved
Chromium	0.28		0.077	0.015	mg/L	1		6010D	Dissolved
Dissolved Carbon	1200		250	130	mg/L	250		5310 C-2014	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18 Control

Lab Sample ID: 410-218317-1

Date Collected: 04/18/25 08:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**740**		150	50	mg/L			05/02/25 16:44	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 17:39	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 17:39	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 17:39	1
Chromium	**0.0048**	**J**	0.015	0.0030	mg/L		04/29/25 06:00	04/29/25 17:39	1
Cobalt	**0.10**		0.0050	0.0015	mg/L		04/29/25 06:00	04/29/25 17:39	1
Iron	**0.13**	**J**	0.20	0.080	mg/L		04/29/25 06:00	04/29/25 17:39	1
Lithium	**0.012**	**J**	0.050	0.011	mg/L		04/29/25 06:00	04/29/25 17:39	1
Magnesium	**18**		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 17:39	1
Manganese	**1.9**		0.010	0.0030	mg/L		04/29/25 06:00	04/29/25 17:39	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/29/25 06:00	04/29/25 17:39	1
Potassium	**3.7**		1.0	0.25	mg/L		04/29/25 06:00	04/29/25 17:39	1
Selenium	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 17:39	1
Sodium	**270**		1.0	0.40	mg/L		04/29/25 06:00	04/29/25 17:39	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:55	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:55	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 19:55	1
Cobalt	**0.11**		0.0052	0.0015	mg/L		04/28/25 12:11	04/28/25 19:55	1
Lithium	<0.011		0.052	0.011	mg/L		04/28/25 12:11	04/28/25 19:55	1
Manganese	**1.8**		0.010	0.0031	mg/L		04/28/25 12:11	04/28/25 19:55	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/28/25 12:11	04/28/25 19:55	1
Selenium	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 19:55	1
Chromium	**0.0044**	**J**	0.015	0.0031	mg/L		04/28/25 12:11	04/28/25 19:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**7.2**		1.0	0.50	mg/L			05/01/25 05:14	1

Client Sample ID: 18 20 SB

Lab Sample ID: 410-218317-2

Date Collected: 04/18/25 08:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**820**		75	25	mg/L			05/03/25 05:20	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 19:37	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 19:37	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 19:37	1
Chromium	**0.033**		0.015	0.0030	mg/L		04/28/25 06:48	04/28/25 19:37	1
Cobalt	**0.0097**		0.0050	0.0015	mg/L		04/28/25 06:48	04/28/25 19:37	1
Iron	**11**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 19:37	1

Client Sample ID: 18 20 SB
Lab Sample ID: 410-218317-2

Date Collected: 04/18/25 08:20
Matrix: Water
Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	**0.017**	**J**	0.050	0.011	mg/L		04/28/25 06:48	04/28/25 19:37	1
Magnesium	**44**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 19:37	1
Manganese	**0.27**		0.010	0.0030	mg/L		04/28/25 06:48	04/28/25 19:37	1
Molybdenum	**0.0071**	**J**	0.010	0.0020	mg/L		04/28/25 06:48	04/28/25 19:37	1
Potassium	**10**	**J**	20	5.0	mg/L		04/28/25 06:48	04/28/25 20:45	20
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 19:37	1
Sodium	**4000**	**^2**	20	8.0	mg/L		04/28/25 06:48	04/28/25 22:42	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.33		1.0	0.33	mg/L		04/29/25 10:00	04/29/25 21:10	20
Beryllium	<0.021		0.10	0.021	mg/L		04/29/25 10:00	04/29/25 21:10	20
Cadmium	<0.021		0.10	0.021	mg/L		04/29/25 10:00	04/29/25 21:10	20
Cobalt	**0.032**	**J**	0.10	0.031	mg/L		04/29/25 10:00	04/29/25 21:10	20
Lithium	<0.23		1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:10	20
Manganese	**0.76**		0.21	0.062	mg/L		04/29/25 10:00	04/29/25 21:10	20
Molybdenum	<0.041		0.21	0.041	mg/L		04/29/25 10:00	04/29/25 21:10	20
Selenium	<0.33		1.0	0.33	mg/L		04/29/25 10:00	04/29/25 21:10	20
Chromium	<0.062		0.31	0.062	mg/L		04/29/25 10:00	04/29/25 21:10	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1100**		250	130	mg/L			05/01/25 05:29	250

Client Sample ID: 18 0.05 MnOOH
Lab Sample ID: 410-218317-3

Date Collected: 04/18/25 08:40
Matrix: Water
Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**930**		75	25	mg/L			05/02/25 21:22	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:34	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:34	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:34	1
Chromium	**0.057**	**J**	0.075	0.015	mg/L		04/30/25 06:55	04/30/25 20:34	1
Cobalt	**0.076**		0.025	0.0075	mg/L		04/30/25 06:55	04/30/25 20:34	1
Iron	**120**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:34	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 06:55	04/30/25 20:34	1
Magnesium	**43**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:34	1
Manganese	**2.6**		0.050	0.015	mg/L		04/30/25 06:55	04/30/25 20:34	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 06:55	04/30/25 20:34	1
Potassium	<13		50	13	mg/L		04/30/25 06:55	04/30/25 20:37	10
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:34	1
Sodium	**3800**		50	20	mg/L		04/30/25 06:55	04/30/25 20:37	10

Client Sample ID: 18 0.05 MnOOH

Lab Sample ID: 410-218317-3

Date Collected: 04/18/25 08:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:30	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:30	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:30	1
Cobalt	**0.0018**	**J**	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 18:30	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 19:16	20
Manganese	**0.034**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 18:30	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 18:30	1
Selenium	<0.016	F1	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:30	1
Chromium	**0.033**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 18:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1400**		250	130	mg/L			05/01/25 05:44	250

Client Sample ID: 18 0.1 MnOOH

Lab Sample ID: 410-218317-4

Date Collected: 04/18/25 09:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**920**		75	25	mg/L			05/03/25 06:03	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 22:54	1
Beryllium	**0.017**		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 22:54	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 22:54	1
Chromium	**0.16**	**J**	0.30	0.060	mg/L		04/28/25 06:48	04/28/25 22:58	20
Cobalt	**0.44**		0.10	0.030	mg/L		04/28/25 06:48	04/28/25 22:58	20
Iron	**640**		4.0	1.6	mg/L		04/28/25 06:48	04/28/25 22:58	20
Lithium	<0.011		0.050	0.011	mg/L		04/28/25 06:48	04/28/25 22:54	1
Magnesium	**37**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 22:54	1
Manganese	**14**		0.20	0.060	mg/L		04/28/25 06:48	04/28/25 22:58	20
Molybdenum	<0.040		0.20	0.040	mg/L		04/28/25 06:48	04/28/25 22:58	20
Potassium	**6.4**	**J**	20	5.0	mg/L		04/28/25 06:48	04/28/25 22:58	20
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 22:54	1
Sodium	**3900**	**^2**	20	8.0	mg/L		04/28/25 06:48	04/28/25 22:58	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:27	1
Beryllium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:27	1
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:27	1
Cobalt	**0.0015**	**J cn**	0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 21:27	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/29/25 10:00	04/30/25 10:55	20
Manganese	**0.0094**	**J cn**	0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 21:27	1
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 21:27	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:27	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/29/25 10:00	04/30/25 10:55	20

Client Sample ID: 18 0.1 MnOOH
Lab Sample ID: 410-218317-4

Date Collected: 04/18/25 09:00
Matrix: Water
Date Received: 04/21/25 16:00

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	1000		250	130	mg/L			05/01/25 06:30	250

Client Sample ID: 18 1.0 MnOOH
Lab Sample ID: 410-218317-5

Date Collected: 04/18/25 09:20
Matrix: Water
Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	970		380	130	mg/L			05/02/25 16:14	250

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 22:51	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 22:51	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 22:51	1
Chromium	0.048		0.015	0.0030	mg/L		04/28/25 06:48	04/28/25 22:51	1
Cobalt	0.015		0.0050	0.0015	mg/L		04/28/25 06:48	04/28/25 22:51	1
Iron	22		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 22:51	1
Lithium	<0.011		0.050	0.011	mg/L		04/28/25 06:48	04/28/25 22:51	1
Magnesium	44		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 22:51	1
Manganese	1.6		0.010	0.0030	mg/L		04/28/25 06:48	04/28/25 22:51	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/28/25 06:48	04/28/25 22:51	1
Potassium	<5.0		20	5.0	mg/L		04/28/25 06:48	04/28/25 23:01	20
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 22:51	1
Sodium	3500	^2	20	8.0	mg/L		04/28/25 06:48	04/28/25 23:01	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:24	1
Beryllium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:24	1
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:24	1
Cobalt	<0.0015	cn	0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 21:24	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/29/25 10:00	04/30/25 10:52	20
Manganese	0.0087	J cn	0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 21:24	1
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 21:24	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:24	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/29/25 10:00	04/30/25 10:52	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	950		250	130	mg/L			05/01/25 06:45	250

Client Sample ID: 18 0.05 Mn2O3
Lab Sample ID: 410-218317-6

Date Collected: 04/18/25 09:40
Matrix: Water
Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	930		150	50	mg/L			05/03/25 05:24	100

Client Sample ID: 18 0.05 Mn2O3

Lab Sample ID: 410-218317-6

Date Collected: 04/18/25 09:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 22:13	1
Beryllium	**0.0058**		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 22:13	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 22:13	1
Chromium	**0.075**		0.015	0.0030	mg/L		04/28/25 06:48	04/28/25 22:13	1
Cobalt	**0.11**		0.0050	0.0015	mg/L		04/28/25 06:48	04/28/25 22:13	1
Iron	**180**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 22:13	1
Lithium	<0.011		0.050	0.011	mg/L		04/28/25 06:48	04/28/25 22:13	1
Magnesium	**48**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 22:13	1
Manganese	**3.8**		0.010	0.0030	mg/L		04/28/25 06:48	04/28/25 22:13	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/28/25 06:48	04/28/25 22:13	1
Potassium	**6.4**	**J**	20	5.0	mg/L		04/28/25 06:48	04/28/25 22:16	20
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 22:13	1
Sodium	**3600**	**^2**	20	8.0	mg/L		04/28/25 06:48	04/28/25 22:16	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:21	1
Beryllium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:21	1
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:21	1
Cobalt	**0.0047**	**J cn**	0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 21:21	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/29/25 10:00	04/30/25 10:49	20
Manganese	**0.076**	**cn**	0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 21:21	1
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 21:21	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:21	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/29/25 10:00	04/30/25 10:49	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**950**		250	130	mg/L			05/01/25 07:01	250

Client Sample ID: 18 0.1 Mn2O3

Lab Sample ID: 410-218317-7

Date Collected: 04/18/25 10:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1000**		75	25	mg/L			05/02/25 17:04	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 20:38	1
Beryllium	**0.020**		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 20:38	1
Cadmium	**0.014**	**J**	0.050	0.010	mg/L		04/28/25 06:48	04/28/25 20:42	10
Chromium	**0.23**		0.15	0.030	mg/L		04/28/25 06:48	04/28/25 20:42	10
Cobalt	**0.49**		0.050	0.015	mg/L		04/28/25 06:48	04/28/25 20:42	10
Iron	**810**		2.0	0.80	mg/L		04/28/25 06:48	04/28/25 20:42	10
Lithium	**0.13**	**J**	0.50	0.11	mg/L		04/28/25 06:48	04/28/25 20:42	10
Magnesium	**62**		4.0	1.6	mg/L		04/28/25 06:48	04/28/25 22:10	20
Manganese	**19**		0.20	0.060	mg/L		04/28/25 06:48	04/28/25 22:10	20
Molybdenum	<0.020		0.10	0.020	mg/L		04/28/25 06:48	04/28/25 20:42	10

Client Sample ID: 18 0.1 Mn2O3

Lab Sample ID: 410-218317-7

Date Collected: 04/18/25 10:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**12**		10	2.5	mg/L		04/28/25 06:48	04/28/25 20:42	10
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 20:38	1
Sodium	**3700**	**^2**	20	8.0	mg/L		04/28/25 06:48	04/28/25 22:10	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:18	1
Beryllium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:18	1
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 21:18	1
Cobalt	**0.0053**	**cn**	0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 21:18	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/29/25 10:00	04/30/25 10:45	20
Manganese	**0.11**	**cn**	0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 21:18	1
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 21:18	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 21:18	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/29/25 10:00	04/30/25 10:45	20

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1000**		250	130	mg/L			05/01/25 08:02	250

Client Sample ID: 18 1.0 Mn2O3

Lab Sample ID: 410-218317-8

Date Collected: 04/18/25 10:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1100**		75	25	mg/L			05/02/25 18:24	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 19:21	1
Beryllium	**0.0038**	**J**	0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 19:21	1
Cadmium	**0.0027**	**J**	0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 19:21	1
Chromium	**0.087**		0.015	0.0030	mg/L		04/28/25 06:48	04/28/25 19:21	1
Cobalt	**0.080**		0.0050	0.0015	mg/L		04/28/25 06:48	04/28/25 19:21	1
Iron	**140**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 19:21	1
Lithium	<0.011		0.050	0.011	mg/L		04/28/25 06:48	04/28/25 19:21	1
Magnesium	**46**		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 19:21	1
Manganese	**13**		0.010	0.0030	mg/L		04/28/25 06:48	04/28/25 19:21	1
Molybdenum	**0.0043**	**J**	0.010	0.0020	mg/L		04/28/25 06:48	04/28/25 19:21	1
Potassium	**6.3**	**J**	20	5.0	mg/L		04/28/25 06:48	04/28/25 22:45	20
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 19:21	1
Sodium	**3500**	**^2**	20	8.0	mg/L		04/28/25 06:48	04/28/25 22:45	20

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:34	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:34	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 20:34	1
Cobalt	**0.0055**		0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 20:34	1

Client Sample ID: 18 1.0 Mn2O3

Lab Sample ID: 410-218317-8

Date Collected: 04/18/25 10:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.23		1.0	0.23	mg/L		04/29/25 10:00	04/29/25 21:13	20
Manganese	**0.090**		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 20:34	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 20:34	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 20:34	1
Chromium	**0.031**		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 20:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**880**		250	130	mg/L			05/01/25 08:17	250

Client Sample ID: 18 0.05 Mn(OH)2

Lab Sample ID: 410-218317-9

Date Collected: 04/18/25 10:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1100**		150	50	mg/L			05/03/25 00:34	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:28	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:28	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:28	1
Chromium	**0.037**	**J**	0.075	0.015	mg/L		04/30/25 06:55	04/30/25 20:28	1
Cobalt	**0.040**		0.025	0.0075	mg/L		04/30/25 06:55	04/30/25 20:28	1
Iron	**26**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:28	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 06:55	04/30/25 20:28	1
Magnesium	**43**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:28	1
Manganese	**1.4**		0.050	0.015	mg/L		04/30/25 06:55	04/30/25 20:28	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 06:55	04/30/25 20:28	1
Potassium	<13		50	13	mg/L		04/30/25 06:55	04/30/25 20:31	10
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:28	1
Sodium	**3500**		50	20	mg/L		04/30/25 06:55	04/30/25 20:31	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 20:14	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 20:14	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 20:14	1
Cobalt	**0.0026**	**J**	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 20:14	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 20:25	20
Manganese	**0.050**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 20:14	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 20:14	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 20:14	1
Chromium	**0.038**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 20:14	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1100**		250	130	mg/L			05/01/25 08:32	250

Client Sample ID: 18 0.1 Mn(OH)2

Lab Sample ID: 410-218317-10

Date Collected: 04/18/25 11:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1500**		75	25	mg/L			05/02/25 22:14	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 19:59	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 19:59	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 19:59	1
Chromium	**0.038**	**J**	0.075	0.015	mg/L		04/30/25 06:55	04/30/25 19:59	1
Cobalt	**0.028**		0.025	0.0075	mg/L		04/30/25 06:55	04/30/25 19:59	1
Iron	**30**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 19:59	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 06:55	04/30/25 19:59	1
Magnesium	**45**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 19:59	1
Manganese	**0.99**		0.050	0.015	mg/L		04/30/25 06:55	04/30/25 19:59	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 06:55	04/30/25 19:59	1
Potassium	<13		50	13	mg/L		04/30/25 06:55	04/30/25 20:03	10
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 19:59	1
Sodium	**3100**		50	20	mg/L		04/30/25 06:55	04/30/25 20:03	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 19:34	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 19:34	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 19:34	1
Cobalt	**0.0035**	**J**	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 19:34	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 19:37	20
Manganese	**0.096**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 19:34	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 19:34	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 19:34	1
Chromium	**0.039**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 19:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**940**		250	130	mg/L			05/01/25 08:47	250

Client Sample ID: 18 1.0 Mn(OH)2

Lab Sample ID: 410-218317-11

Date Collected: 04/18/25 11:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1100**		150	50	mg/L			05/03/25 00:04	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:40	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:40	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:40	1
Chromium	**0.064**	**J**	0.075	0.015	mg/L		04/30/25 06:55	04/30/25 20:40	1
Cobalt	**0.065**		0.025	0.0075	mg/L		04/30/25 06:55	04/30/25 20:40	1
Iron	**67**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:40	1

Client Sample ID: 18 1.0 Mn(OH)2

Lab Sample ID: 410-218317-11

Date Collected: 04/18/25 11:20

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 06:55	04/30/25 20:40	1
Magnesium	**41**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:40	1
Manganese	**7.0**		0.050	0.015	mg/L		04/30/25 06:55	04/30/25 20:40	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 06:55	04/30/25 20:40	1
Potassium	**13**	**J**	50	13	mg/L		04/30/25 06:55	04/30/25 20:44	10
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:40	1
Sodium	**3100**		50	20	mg/L		04/30/25 06:55	04/30/25 20:44	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:40	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:40	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:40	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 21:40	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 21:56	20
Manganese	**0.061**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 21:40	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 21:40	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:40	1
Chromium	**0.046**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 21:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**820**		250	130	mg/L			05/01/25 09:34	250

Client Sample ID: 18 0.05 KMnO4

Lab Sample ID: 410-218317-12

Date Collected: 04/18/25 11:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1100**		150	50	mg/L			05/02/25 23:34	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 19:50	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 19:50	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 19:50	1
Chromium	**0.064**	**J**	0.075	0.015	mg/L		04/30/25 06:55	04/30/25 19:50	1
Cobalt	**0.060**		0.025	0.0075	mg/L		04/30/25 06:55	04/30/25 19:50	1
Iron	**50**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 19:50	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 06:55	04/30/25 19:50	1
Magnesium	**46**		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 19:50	1
Manganese	**1.5**		0.050	0.015	mg/L		04/30/25 06:55	04/30/25 19:50	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 06:55	04/30/25 19:50	1
Potassium	<13		50	13	mg/L		04/30/25 06:55	04/30/25 19:53	10
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 19:50	1
Sodium	**3600**		50	20	mg/L		04/30/25 06:55	04/30/25 19:53	10

Client Sample ID: 18 0.05 KMnO4

Lab Sample ID: 410-218317-12

Date Collected: 04/18/25 11:40

Matrix: Water

Date Received: 04/21/25 16:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:43	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:43	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 21:43	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 21:43	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 22:00	20
Manganese	**0.020**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 21:43	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 21:43	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 21:43	1
Chromium	**0.063**		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 21:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	**1200**		250	130	mg/L			05/01/25 09:49	250

Client Sample ID: 18 0.1 KMnO4

Lab Sample ID: 410-218317-13

Date Collected: 04/18/25 12:00

Matrix: Water

Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**1000**		150	50	mg/L			05/02/25 22:44	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/30/25 06:55	04/30/25 19:41	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/30/25 06:55	04/30/25 19:41	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/30/25 06:55	04/30/25 19:41	1
Chromium	**0.069**		0.015	0.0030	mg/L		04/30/25 06:55	04/30/25 19:41	1
Cobalt	**0.028**		0.0050	0.0015	mg/L		04/30/25 06:55	04/30/25 19:41	1
Iron	**4.7**		0.20	0.080	mg/L		04/30/25 06:55	04/30/25 19:41	1
Lithium	**0.012**	**J**	0.050	0.011	mg/L		04/30/25 06:55	04/30/25 19:41	1
Magnesium	**48**		0.20	0.080	mg/L		04/30/25 06:55	04/30/25 19:41	1
Manganese	**0.61**		0.010	0.0030	mg/L		04/30/25 06:55	04/30/25 19:41	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/30/25 06:55	04/30/25 19:41	1
Potassium	**9.3**	**J**	10	2.5	mg/L		04/30/25 06:55	04/30/25 19:44	10
Selenium	<0.016		0.050	0.016	mg/L		04/30/25 06:55	04/30/25 19:41	1
Sodium	**3800**		10	4.0	mg/L		04/30/25 06:55	04/30/25 19:44	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	F1	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:55	1
Beryllium	<0.0010	F1	0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:55	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:55	1
Cobalt	**0.0021**	**J**	0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 19:55	1
Lithium	<0.23		1.0	0.23	mg/L		04/29/25 10:00	04/29/25 20:51	20
Manganese	**0.017**		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 19:55	1
Molybdenum	<0.0021	F1	0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 19:55	1
Selenium	<0.016	F1	0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:55	1
Chromium	**0.072**	**F1**	0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 19:55	1

Client: Terra Systems Inc
Job ID: 410-218317-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 18 0.1 KMnO4
Lab Sample ID: 410-218317-13
Date Collected: 04/18/25 12:00
Matrix: Water
Date Received: 04/21/25 16:00

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	990		250	130	mg/L			05/01/25 10:04	250

Client Sample ID: 18 1.0 KMnO4
Lab Sample ID: 410-218317-14
Date Collected: 04/18/25 12:20
Matrix: Water
Date Received: 04/21/25 16:00

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	980		150	50	mg/L			05/03/25 01:24	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:21	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:21	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 06:55	04/30/25 20:21	1
Chromium	0.28		0.075	0.015	mg/L		04/30/25 06:55	04/30/25 20:21	1
Cobalt	0.010	J	0.025	0.0075	mg/L		04/30/25 06:55	04/30/25 20:21	1
Iron	9.7		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:21	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 06:55	04/30/25 20:21	1
Magnesium	48		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 20:21	1
Manganese	61		0.050	0.015	mg/L		04/30/25 06:55	04/30/25 20:21	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 06:55	04/30/25 20:21	1
Potassium	31	J	50	13	mg/L		04/30/25 06:55	04/30/25 20:25	10
Selenium	0.085	J	0.25	0.080	mg/L		04/30/25 06:55	04/30/25 20:21	1
Sodium	3700		50	20	mg/L		04/30/25 06:55	04/30/25 20:25	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.082		0.26	0.082	mg/L		04/29/25 10:00	04/29/25 21:45	1
Beryllium	<0.0052		0.026	0.0052	mg/L		04/29/25 10:00	04/29/25 21:45	1
Cadmium	<0.0052		0.026	0.0052	mg/L		04/29/25 10:00	04/29/25 21:45	1
Cobalt	<0.0077		0.026	0.0077	mg/L		04/29/25 10:00	04/29/25 21:45	1
Lithium	<0.057		0.26	0.057	mg/L		04/29/25 10:00	04/29/25 21:45	1
Manganese	52		0.052	0.015	mg/L		04/29/25 10:00	04/29/25 21:45	1
Molybdenum	<0.010		0.052	0.010	mg/L		04/29/25 10:00	04/29/25 21:45	1
Selenium	<0.082		0.26	0.082	mg/L		04/29/25 10:00	04/29/25 21:45	1
Chromium	0.28		0.077	0.015	mg/L		04/29/25 10:00	04/29/25 21:45	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon (SM 5310 C-2014)	1200		250	130	mg/L			05/01/25 10:19	250

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-638800/5
Matrix: Water
Analysis Batch: 638800

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 09:53	1

Lab Sample ID: LCS 410-638800/3
Matrix: Water
Analysis Batch: 638800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.54		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-638800/4
Matrix: Water
Analysis Batch: 638800

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
Sulfate	7.50	7.53		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 410-638892/5
Matrix: Water
Analysis Batch: 638892

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 19:44	1

Lab Sample ID: LCS 410-638892/3
Matrix: Water
Analysis Batch: 638892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.51		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-638892/4
Matrix: Water
Analysis Batch: 638892

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
Sulfate	7.50	7.49		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 410-638912/5
Matrix: Water
Analysis Batch: 638912

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 14:07	1

Lab Sample ID: LCS 410-638912/3
Matrix: Water
Analysis Batch: 638912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.09		mg/L		94	90 - 110

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: LCSD 410-638912/4
Matrix: Water
Analysis Batch: 638912

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
Sulfate			7.50	7.10		mg/L		95	90 - 110	0	20

Lab Sample ID: MB 410-638960/5
Matrix: Water
Analysis Batch: 638960

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/02/25 23:13	1

Lab Sample ID: LCS 410-638960/3
Matrix: Water
Analysis Batch: 638960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate			7.50	7.10		mg/L		95	90 - 110

Lab Sample ID: LCSD 410-638960/4
Matrix: Water
Analysis Batch: 638960

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
Sulfate			7.50	7.10		mg/L		95	90 - 110	0	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-635234/1-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 18:18	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 18:18	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/28/25 12:11	04/28/25 18:18	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/28/25 12:11	04/28/25 18:18	1
Lithium	<0.011		0.052	0.011	mg/L		04/28/25 12:11	04/28/25 18:18	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/28/25 12:11	04/28/25 18:18	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/28/25 12:11	04/28/25 18:18	1
Selenium	<0.016		0.052	0.016	mg/L		04/28/25 12:11	04/28/25 18:18	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/28/25 12:11	04/28/25 18:18	1

Lab Sample ID: LCS 410-635234/2-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635234

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.500	0.512		mg/L		102	90 - 115
Beryllium			0.0500	0.0519		mg/L		104	90 - 110
Cadmium			0.0500	0.0517		mg/L		103	90 - 113
Cobalt			0.500	0.516		mg/L		103	90 - 113
Lithium			0.500	0.494		mg/L		99	88 - 113

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-635234/2-A
Matrix: Water
Analysis Batch: 636776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.510		mg/L		102	90 - 111
Molybdenum	0.0500	0.0500		mg/L		100	85 - 113
Selenium	0.100	0.104		mg/L		104	80 - 120
Chromium	0.500	0.517		mg/L		103	90 - 112

Lab Sample ID: MB 410-636936/1-A
Matrix: Water
Analysis Batch: 637371

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:49	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:49	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/29/25 10:00	04/29/25 19:49	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/29/25 10:00	04/29/25 19:49	1
Lithium	<0.011		0.052	0.011	mg/L		04/29/25 10:00	04/29/25 19:49	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/29/25 10:00	04/29/25 19:49	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/29/25 10:00	04/29/25 19:49	1
Selenium	<0.016		0.052	0.016	mg/L		04/29/25 10:00	04/29/25 19:49	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/29/25 10:00	04/29/25 19:49	1

Lab Sample ID: LCS 410-636936/2-A
Matrix: Water
Analysis Batch: 637675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.518		mg/L		104	90 - 115
Beryllium	0.0500	0.0524		mg/L		105	90 - 110
Cadmium	0.0500	0.0513		mg/L		103	90 - 113
Cobalt	0.500	0.521		mg/L		104	90 - 113
Lithium	0.500	0.520		mg/L		104	88 - 113
Manganese	0.500	0.511		mg/L		102	90 - 111
Molybdenum	0.0500	0.0489		mg/L		98	85 - 113
Selenium	0.100	0.110		mg/L		110	80 - 120
Chromium	0.500	0.521		mg/L		104	90 - 112

Lab Sample ID: MB 410-637350/1-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 18:24	1
Lithium	<0.011		0.052	0.011	mg/L		04/30/25 09:30	04/30/25 18:24	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 18:24	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-637350/2-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.512		mg/L		102	90 - 115
Beryllium	0.0500	0.0533		mg/L		107	90 - 110
Cadmium	0.0500	0.0518		mg/L		104	90 - 113
Cobalt	0.500	0.511		mg/L		102	90 - 113
Lithium	0.500	0.505		mg/L		101	88 - 113
Manganese	0.500	0.527		mg/L		105	90 - 111
Molybdenum	0.0500	0.0430		mg/L		86	85 - 113
Selenium	0.100	0.100		mg/L		100	80 - 120
Chromium	0.500	0.526		mg/L		105	90 - 112

Lab Sample ID: MB 410-635247/1-A
Matrix: Water
Analysis Batch: 637376

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 16:42	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 16:42	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/29/25 06:00	04/29/25 16:42	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/29/25 06:00	04/29/25 16:42	1
Iron	<0.080		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 16:42	1
Lithium	<0.011		0.050	0.011	mg/L		04/29/25 06:00	04/29/25 16:42	1
Magnesium	<0.080		0.20	0.080	mg/L		04/29/25 06:00	04/29/25 16:42	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/29/25 06:00	04/29/25 16:42	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/29/25 06:00	04/29/25 16:42	1
Potassium	<0.25		1.0	0.25	mg/L		04/29/25 06:00	04/29/25 16:42	1
Selenium	<0.016		0.050	0.016	mg/L		04/29/25 06:00	04/29/25 16:42	1
Sodium	<0.40		1.0	0.40	mg/L		04/29/25 06:00	04/29/25 16:42	1
Chromium	<0.0030		0.015	0.0030	mg/L		04/29/25 06:00	04/29/25 16:42	1

Lab Sample ID: LCS 410-635247/2-A
Matrix: Water
Analysis Batch: 637376

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.510		mg/L		102	90 - 115
Beryllium	0.0500	0.0538		mg/L		108	90 - 110
Cadmium	0.0500	0.0523		mg/L		105	90 - 113
Cobalt	0.500	0.509		mg/L		102	90 - 113
Iron	5.00	5.19		mg/L		104	87 - 114
Lithium	0.500	0.513		mg/L		103	88 - 113
Magnesium	5.00	5.26		mg/L		105	90 - 111
Manganese	0.500	0.539		mg/L		108	90 - 111
Molybdenum	0.0500	0.0485		mg/L		97	85 - 113
Potassium	5.00	5.52		mg/L		110	88 - 118
Selenium	0.100	0.106		mg/L		106	80 - 120
Sodium	5.00	5.07		mg/L		101	88 - 118
Chromium	0.500	0.534		mg/L		107	90 - 112

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-636061/1-A
Matrix: Water
Analysis Batch: 636753

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 18:05	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 18:05	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/28/25 06:48	04/28/25 18:05	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/28/25 06:48	04/28/25 18:05	1
Iron	<0.080		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 18:05	1
Lithium	<0.011		0.050	0.011	mg/L		04/28/25 06:48	04/28/25 18:05	1
Magnesium	<0.080		0.20	0.080	mg/L		04/28/25 06:48	04/28/25 18:05	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/28/25 06:48	04/28/25 18:05	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/28/25 06:48	04/28/25 18:05	1
Potassium	<0.25		1.0	0.25	mg/L		04/28/25 06:48	04/28/25 18:05	1
Selenium	<0.016		0.050	0.016	mg/L		04/28/25 06:48	04/28/25 18:05	1
Sodium	<0.40		1.0	0.40	mg/L		04/28/25 06:48	04/28/25 18:05	1
Chromium	<0.0030		0.015	0.0030	mg/L		04/28/25 06:48	04/28/25 18:05	1

Lab Sample ID: LCS 410-636061/2-A
Matrix: Water
Analysis Batch: 636753

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.540		mg/L		108	90 - 115
Beryllium	0.0500	0.0527		mg/L		105	90 - 110
Cadmium	0.0500	0.0538		mg/L		108	90 - 113
Cobalt	0.500	0.520		mg/L		104	90 - 113
Iron	5.00	5.23		mg/L		105	87 - 114
Lithium	0.500	0.505		mg/L		101	88 - 113
Magnesium	5.00	5.29		mg/L		106	90 - 111
Manganese	0.500	0.539		mg/L		108	90 - 111
Molybdenum	0.0500	0.0527		mg/L		105	85 - 113
Potassium	5.00	5.19		mg/L		104	88 - 118
Selenium	0.100	0.108		mg/L		108	80 - 120
Sodium	5.00	5.19		mg/L		104	88 - 118
Chromium	0.500	0.524		mg/L		105	90 - 112

Lab Sample ID: MB 410-636077/1-A
Matrix: Water
Analysis Batch: 637936

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/30/25 06:55	04/30/25 19:07	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/30/25 06:55	04/30/25 19:07	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/30/25 06:55	04/30/25 19:07	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/30/25 06:55	04/30/25 19:07	1
Iron	<0.080		0.20	0.080	mg/L		04/30/25 06:55	04/30/25 19:07	1
Lithium	<0.011		0.050	0.011	mg/L		04/30/25 06:55	04/30/25 19:07	1
Magnesium	<0.080		0.20	0.080	mg/L		04/30/25 06:55	04/30/25 19:07	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/30/25 06:55	04/30/25 19:07	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/30/25 06:55	04/30/25 19:07	1
Potassium	<0.25		1.0	0.25	mg/L		04/30/25 06:55	04/30/25 19:07	1
Selenium	<0.016		0.050	0.016	mg/L		04/30/25 06:55	04/30/25 19:07	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-636077/1-A
Matrix: Water
Analysis Batch: 637936

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	<0.40		1.0	0.40	mg/L		04/30/25 06:55	04/30/25 19:07	1
Chromium	<0.0030		0.015	0.0030	mg/L		04/30/25 06:55	04/30/25 19:07	1

Lab Sample ID: LCS 410-636077/2-A
Matrix: Water
Analysis Batch: 637936

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.511		mg/L		102	90 - 115
Beryllium	0.0500	0.0538		mg/L		108	90 - 110
Cadmium	0.0500	0.0522		mg/L		104	90 - 113
Cobalt	0.500	0.520		mg/L		104	90 - 113
Iron	5.00	5.27		mg/L		105	87 - 114
Lithium	0.500	0.522		mg/L		104	88 - 113
Magnesium	5.00	5.24		mg/L		105	90 - 111
Manganese	0.500	0.523		mg/L		105	90 - 111
Molybdenum	0.0500	0.0514		mg/L		103	85 - 113
Potassium	5.00	5.12		mg/L		102	88 - 118
Selenium	0.100	0.115		mg/L		115	80 - 120
Sodium	5.00	5.21		mg/L		104	88 - 118
Chromium	0.500	0.522		mg/L		104	90 - 112

Lab Sample ID: 410-218317-13 MS
Matrix: Water
Analysis Batch: 637371

Client Sample ID: 18 0.1 KMnO4
Prep Type: Dissolved
Prep Batch: 636936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.016	F1	0.500	0.643	F1	mg/L		129	75 - 125
Beryllium	<0.0010	F1	0.0500	0.0641	F1	mg/L		128	75 - 125
Cadmium	<0.0010		0.0500	0.0597		mg/L		119	75 - 125
Cobalt	0.0021	J	0.500	0.604		mg/L		120	75 - 125
Manganese	0.017		0.500	0.625		mg/L		122	75 - 125
Molybdenum	<0.0021	F1	0.0500	0.0638	F1	mg/L		128	75 - 125
Selenium	<0.016	F1	0.100	0.150	F1	mg/L		150	75 - 125
Chromium	0.072	F1	0.500	0.719	F1	mg/L		130	75 - 125

Lab Sample ID: 410-218317-13 MS
Matrix: Water
Analysis Batch: 637376

Client Sample ID: 18 0.1 KMnO4
Prep Type: Dissolved
Prep Batch: 636936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.23		0.500	0.539	J	mg/L		108	75 - 125

Lab Sample ID: 410-218317-13 MSD
Matrix: Water
Analysis Batch: 637371

Client Sample ID: 18 0.1 KMnO4
Prep Type: Dissolved
Prep Batch: 636936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.016	F1	0.500	0.588		mg/L		118	75 - 125	9	20
Beryllium	<0.0010	F1	0.0500	0.0589		mg/L		118	75 - 125	9	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 410-218317-13 MSD — **Client Sample ID: 18 0.1 KMnO4**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 637371 — **Prep Batch: 636936**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cadmium	<0.0010		0.0500	0.0551		mg/L		110	75 - 125	8	20
Cobalt	0.0021	J	0.500	0.556		mg/L		111	75 - 125	8	20
Manganese	0.017		0.500	0.577		mg/L		112	75 - 125	8	20
Molybdenum	<0.0021	F1	0.0500	0.0591		mg/L		118	75 - 125	8	20
Selenium	<0.016	F1	0.100	0.137	F1	mg/L		137	75 - 125	9	20
Chromium	0.072	F1	0.500	0.664		mg/L		119	75 - 125	8	20

Lab Sample ID: 410-218317-13 MSD — **Client Sample ID: 18 0.1 KMnO4**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 637376 — **Prep Batch: 636936**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.23		0.500	0.578	J	mg/L		116	75 - 125	7	20

Lab Sample ID: 410-218317-13 DU — **Client Sample ID: 18 0.1 KMnO4**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 637371 — **Prep Batch: 636936**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.016	F1	<0.016		mg/L		NC	20
Beryllium	<0.0010	F1	<0.0010		mg/L		NC	20
Cadmium	<0.0010		<0.0010		mg/L		NC	20
Cobalt	0.0021	J	<0.0015		mg/L		NC	20
Manganese	0.017		0.0172		mg/L		1	20
Molybdenum	<0.0021	F1	<0.0021		mg/L		NC	20
Selenium	<0.016	F1	<0.016		mg/L		NC	20
Chromium	0.072	F1	0.0712		mg/L		0.5	20

Lab Sample ID: 410-218317-13 DU — **Client Sample ID: 18 0.1 KMnO4**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 637376 — **Prep Batch: 636936**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	<0.23		<0.23		mg/L		NC	20

Lab Sample ID: 410-218317-3 MS — **Client Sample ID: 18 0.05 MnOOH**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 637957 — **Prep Batch: 637350**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	<0.016		0.500	0.554		mg/L		111	75 - 125
Beryllium	<0.0010		0.0500	0.0538		mg/L		108	75 - 125
Cadmium	<0.0010		0.0500	0.0490		mg/L		98	75 - 125
Cobalt	0.0018	J	0.500	0.477		mg/L		95	75 - 125
Manganese	0.034		0.500	0.557		mg/L		105	75 - 125
Molybdenum	<0.0021		0.0500	0.0428		mg/L		86	75 - 125
Selenium	<0.016	F1	0.100	0.129	F1	mg/L		129	75 - 125
Chromium	0.033		0.500	0.560		mg/L		105	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 410-218317-3 MS
Matrix: Water
Analysis Batch: 637957

Client Sample ID: 18 0.05 MnOOH
Prep Type: Dissolved
Prep Batch: 637350

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	<0.23	cn	0.500	0.476	J cn	mg/L		95	75 - 125

Lab Sample ID: 410-218317-3 MSD
Matrix: Water
Analysis Batch: 637957

Client Sample ID: 18 0.05 MnOOH
Prep Type: Dissolved
Prep Batch: 637350

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	<0.016		0.500	0.554		mg/L		111	75 - 125	0	20
Beryllium	<0.0010		0.0500	0.0526		mg/L		105	75 - 125	2	20
Cadmium	<0.0010		0.0500	0.0480		mg/L		96	75 - 125	2	20
Cobalt	0.0018	J	0.500	0.469		mg/L		93	75 - 125	2	20
Manganese	0.034		0.500	0.547		mg/L		103	75 - 125	2	20
Molybdenum	<0.0021		0.0500	0.0427		mg/L		85	75 - 125	0	20
Selenium	<0.016	F1	0.100	0.119		mg/L		119	75 - 125	8	20
Chromium	0.033		0.500	0.548		mg/L		103	75 - 125	2	20

Lab Sample ID: 410-218317-3 MSD
Matrix: Water
Analysis Batch: 637957

Client Sample ID: 18 0.05 MnOOH
Prep Type: Dissolved
Prep Batch: 637350

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lithium	<0.23	cn	0.500	0.474	J cn	mg/L		95	75 - 125	0	20

Lab Sample ID: 410-218317-3 DU
Matrix: Water
Analysis Batch: 637957

Client Sample ID: 18 0.05 MnOOH
Prep Type: Dissolved
Prep Batch: 637350

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<0.016		<0.016		mg/L		NC	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.0010		<0.0010		mg/L		NC	20
Cobalt	0.0018	J	0.00172	J	mg/L		7	20
Manganese	0.034		0.0352		mg/L		4	20
Molybdenum	<0.0021		<0.0021		mg/L		NC	20
Selenium	<0.016	F1	<0.016		mg/L		NC	20
Chromium	0.033		0.0355		mg/L		6	20

Lab Sample ID: 410-218317-3 DU
Matrix: Water
Analysis Batch: 637957

Client Sample ID: 18 0.05 MnOOH
Prep Type: Dissolved
Prep Batch: 637350

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lithium	<0.23	cn	<0.23	cn	mg/L		NC	20

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav

Lab Sample ID: MB 410-638348/20
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon	<0.50		1.0	0.50	mg/L			05/01/25 00:55	1

Lab Sample ID: MB 410-638348/47
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon	<0.50		1.0	0.50	mg/L			05/01/25 07:47	1

Lab Sample ID: MB 410-638348/7
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Carbon	<0.50		1.0	0.50	mg/L			04/30/25 21:36	1

Lab Sample ID: LCS 410-638348/18
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Carbon	25.0	23.9		mg/L		96	90 - 110

Lab Sample ID: LCS 410-638348/45
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Carbon	25.0	24.6		mg/L		98	90 - 110

Lab Sample ID: LCSD 410-638348/19
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Carbon	25.0	24.7		mg/L		99	90 - 110	3	15

Lab Sample ID: LCSD 410-638348/46
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample Dup
Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Carbon	25.0	24.7		mg/L		99	90 - 110	0	15

Lab Sample ID: MRL 410-638348/74
Matrix: Water
Analysis Batch: 638348

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Carbon	1.00	0.981	J	mg/L		98	50 - 150

Client: Terra Systems Inc
Job ID: 410-218317-1
Project/Site: WSP Plant Scherer CCR TS

Method: 5310 C-2014 - Total Organic Carbon/Persulfate - Ultrav (Continued)

Lab Sample ID: MRL 410-638348/74
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Dissolved
Analysis Batch: 638348

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Dissolved Inorganic Carbon			1.00	0.981	J	mg/L		98			

HPLC/IC

Analysis Batch: 638800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-1	18 Control	Total/NA	Water	EPA 300.0 R2.1	
410-218317-5	18 1.0 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218317-7	18 0.1 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218317-8	18 1.0 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638800/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638800/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638800/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-6	18 0.05 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218317-9	18 0.05 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218317-10	18 0.1 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218317-11	18 1.0 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218317-12	18 0.05 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
410-218317-13	18 0.1 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
410-218317-14	18 1.0 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638892/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638892/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638892/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-3	18 0.05 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638912/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638912/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638912/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 638960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-2	18 20 SB	Total/NA	Water	EPA 300.0 R2.1	
410-218317-4	18 0.1 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
MB 410-638960/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-638960/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-638960/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 635234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-1	18 Control	Dissolved	Water	Non-Digest Prep	
MB 410-635234/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-635234/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 635247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-1	18 Control	Total Recoverable	Water	3005A	
MB 410-635247/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-635247/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals

Prep Batch: 636061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-2	18 20 SB	Total Recoverable	Water	3005A	
410-218317-4	18 0.1 MnOOH	Total Recoverable	Water	3005A	
410-218317-5	18 1.0 MnOOH	Total Recoverable	Water	3005A	
410-218317-6	18 0.05 Mn2O3	Total Recoverable	Water	3005A	
410-218317-7	18 0.1 Mn2O3	Total Recoverable	Water	3005A	
410-218317-8	18 1.0 Mn2O3	Total Recoverable	Water	3005A	
MB 410-636061/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-636061/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 636077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-3	18 0.05 MnOOH	Total Recoverable	Water	3005A	
410-218317-9	18 0.05 Mn(OH)2	Total Recoverable	Water	3005A	
410-218317-10	18 0.1 Mn(OH)2	Total Recoverable	Water	3005A	
410-218317-11	18 1.0 Mn(OH)2	Total Recoverable	Water	3005A	
410-218317-12	18 0.05 KMnO4	Total Recoverable	Water	3005A	
410-218317-13	18 0.1 KMnO4	Total Recoverable	Water	3005A	
410-218317-14	18 1.0 KMnO4	Total Recoverable	Water	3005A	
MB 410-636077/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-636077/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 636753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-2	18 20 SB	Total Recoverable	Water	6010D	636061
410-218317-2	18 20 SB	Total Recoverable	Water	6010D	636061
410-218317-7	18 0.1 Mn2O3	Total Recoverable	Water	6010D	636061
410-218317-7	18 0.1 Mn2O3	Total Recoverable	Water	6010D	636061
410-218317-8	18 1.0 Mn2O3	Total Recoverable	Water	6010D	636061
MB 410-636061/1-A	Method Blank	Total Recoverable	Water	6010D	636061
LCS 410-636061/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636061

Analysis Batch: 636776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-1	18 Control	Dissolved	Water	6010D	635234
410-218317-2	18 20 SB	Total Recoverable	Water	6010D	636061
410-218317-4	18 0.1 MnOOH	Total Recoverable	Water	6010D	636061
410-218317-4	18 0.1 MnOOH	Total Recoverable	Water	6010D	636061
410-218317-5	18 1.0 MnOOH	Total Recoverable	Water	6010D	636061
410-218317-5	18 1.0 MnOOH	Total Recoverable	Water	6010D	636061
410-218317-6	18 0.05 Mn2O3	Total Recoverable	Water	6010D	636061
410-218317-6	18 0.05 Mn2O3	Total Recoverable	Water	6010D	636061
410-218317-7	18 0.1 Mn2O3	Total Recoverable	Water	6010D	636061
410-218317-8	18 1.0 Mn2O3	Total Recoverable	Water	6010D	636061
MB 410-635234/1-A	Method Blank	Total/NA	Water	6010D	635234
LCS 410-635234/2-A	Lab Control Sample	Total/NA	Water	6010D	635234

Prep Batch: 636936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-2	18 20 SB	Dissolved	Water	Non-Digest Prep	
410-218317-4	18 0.1 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218317-5	18 1.0 MnOOH	Dissolved	Water	Non-Digest Prep	

Metals (Continued)

Prep Batch: 636936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-6	18 0.05 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218317-7	18 0.1 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218317-8	18 1.0 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218317-13	18 0.1 KMnO4	Dissolved	Water	Non-Digest Prep	
410-218317-14	18 1.0 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-636936/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-636936/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-218317-13 MS	18 0.1 KMnO4	Dissolved	Water	Non-Digest Prep	
410-218317-13 MSD	18 0.1 KMnO4	Dissolved	Water	Non-Digest Prep	
410-218317-13 DU	18 0.1 KMnO4	Dissolved	Water	Non-Digest Prep	

Prep Batch: 637350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-3	18 0.05 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218317-9	18 0.05 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218317-10	18 0.1 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218317-11	18 1.0 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218317-12	18 0.05 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-637350/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-218317-3 MS	18 0.05 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218317-3 MSD	18 0.05 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218317-3 DU	18 0.05 MnOOH	Dissolved	Water	Non-Digest Prep	

Analysis Batch: 637371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-4	18 0.1 MnOOH	Dissolved	Water	6010D	636936
410-218317-5	18 1.0 MnOOH	Dissolved	Water	6010D	636936
410-218317-6	18 0.05 Mn2O3	Dissolved	Water	6010D	636936
410-218317-7	18 0.1 Mn2O3	Dissolved	Water	6010D	636936
410-218317-8	18 1.0 Mn2O3	Dissolved	Water	6010D	636936
410-218317-13	18 0.1 KMnO4	Dissolved	Water	6010D	636936
410-218317-14	18 1.0 KMnO4	Dissolved	Water	6010D	636936
MB 410-636936/1-A	Method Blank	Total/NA	Water	6010D	636936
410-218317-13 MS	18 0.1 KMnO4	Dissolved	Water	6010D	636936
410-218317-13 MSD	18 0.1 KMnO4	Dissolved	Water	6010D	636936
410-218317-13 DU	18 0.1 KMnO4	Dissolved	Water	6010D	636936

Analysis Batch: 637376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-1	18 Control	Total Recoverable	Water	6010D	635247
410-218317-2	18 20 SB	Dissolved	Water	6010D	636936
410-218317-8	18 1.0 Mn2O3	Dissolved	Water	6010D	636936
410-218317-13	18 0.1 KMnO4	Dissolved	Water	6010D	636936
MB 410-635247/1-A	Method Blank	Total Recoverable	Water	6010D	635247
LCS 410-635247/2-A	Lab Control Sample	Total Recoverable	Water	6010D	635247
410-218317-13 MS	18 0.1 KMnO4	Dissolved	Water	6010D	636936
410-218317-13 MSD	18 0.1 KMnO4	Dissolved	Water	6010D	636936
410-218317-13 DU	18 0.1 KMnO4	Dissolved	Water	6010D	636936

Metals

Analysis Batch: 637675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-4	18 0.1 MnOOH	Dissolved	Water	6010D	636936
410-218317-5	18 1.0 MnOOH	Dissolved	Water	6010D	636936
410-218317-6	18 0.05 Mn2O3	Dissolved	Water	6010D	636936
410-218317-7	18 0.1 Mn2O3	Dissolved	Water	6010D	636936
LCS 410-636936/2-A	Lab Control Sample	Total/NA	Water	6010D	636936

Analysis Batch: 637936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-3	18 0.05 MnOOH	Total Recoverable	Water	6010D	636077
410-218317-3	18 0.05 MnOOH	Total Recoverable	Water	6010D	636077
410-218317-9	18 0.05 Mn(OH)2	Total Recoverable	Water	6010D	636077
410-218317-9	18 0.05 Mn(OH)2	Total Recoverable	Water	6010D	636077
410-218317-10	18 0.1 Mn(OH)2	Total Recoverable	Water	6010D	636077
410-218317-10	18 0.1 Mn(OH)2	Total Recoverable	Water	6010D	636077
410-218317-11	18 1.0 Mn(OH)2	Total Recoverable	Water	6010D	636077
410-218317-11	18 1.0 Mn(OH)2	Total Recoverable	Water	6010D	636077
410-218317-12	18 0.05 KMnO4	Total Recoverable	Water	6010D	636077
410-218317-12	18 0.05 KMnO4	Total Recoverable	Water	6010D	636077
410-218317-13	18 0.1 KMnO4	Total Recoverable	Water	6010D	636077
410-218317-13	18 0.1 KMnO4	Total Recoverable	Water	6010D	636077
410-218317-14	18 1.0 KMnO4	Total Recoverable	Water	6010D	636077
410-218317-14	18 1.0 KMnO4	Total Recoverable	Water	6010D	636077
MB 410-636077/1-A	Method Blank	Total Recoverable	Water	6010D	636077
LCS 410-636077/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636077

Analysis Batch: 637957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-3	18 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218317-3	18 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218317-9	18 0.05 Mn(OH)2	Dissolved	Water	6010D	637350
410-218317-9	18 0.05 Mn(OH)2	Dissolved	Water	6010D	637350
410-218317-10	18 0.1 Mn(OH)2	Dissolved	Water	6010D	637350
410-218317-10	18 0.1 Mn(OH)2	Dissolved	Water	6010D	637350
410-218317-11	18 1.0 Mn(OH)2	Dissolved	Water	6010D	637350
410-218317-11	18 1.0 Mn(OH)2	Dissolved	Water	6010D	637350
410-218317-12	18 0.05 KMnO4	Dissolved	Water	6010D	637350
410-218317-12	18 0.05 KMnO4	Dissolved	Water	6010D	637350
MB 410-637350/1-A	Method Blank	Total/NA	Water	6010D	637350
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	6010D	637350
410-218317-3 MS	18 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218317-3 MS	18 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218317-3 MSD	18 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218317-3 MSD	18 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218317-3 DU	18 0.05 MnOOH	Dissolved	Water	6010D	637350
410-218317-3 DU	18 0.05 MnOOH	Dissolved	Water	6010D	637350

General Chemistry

Analysis Batch: 638348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-1	18 Control	Dissolved	Water	5310 C-2014	

General Chemistry (Continued)

Analysis Batch: 638348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218317-2	18 20 SB	Dissolved	Water	5310 C-2014	
410-218317-3	18 0.05 MnOOH	Dissolved	Water	5310 C-2014	
410-218317-4	18 0.1 MnOOH	Dissolved	Water	5310 C-2014	
410-218317-5	18 1.0 MnOOH	Dissolved	Water	5310 C-2014	
410-218317-6	18 0.05 Mn2O3	Dissolved	Water	5310 C-2014	
410-218317-7	18 0.1 Mn2O3	Dissolved	Water	5310 C-2014	
410-218317-8	18 1.0 Mn2O3	Dissolved	Water	5310 C-2014	
410-218317-9	18 0.05 Mn(OH)2	Dissolved	Water	5310 C-2014	
410-218317-10	18 0.1 Mn(OH)2	Dissolved	Water	5310 C-2014	
410-218317-11	18 1.0 Mn(OH)2	Dissolved	Water	5310 C-2014	
410-218317-12	18 0.05 KMnO4	Dissolved	Water	5310 C-2014	
410-218317-13	18 0.1 KMnO4	Dissolved	Water	5310 C-2014	
410-218317-14	18 1.0 KMnO4	Dissolved	Water	5310 C-2014	
MB 410-638348/20	Method Blank	Dissolved	Water	5310 C-2014	
MB 410-638348/47	Method Blank	Dissolved	Water	5310 C-2014	
MB 410-638348/7	Method Blank	Dissolved	Water	5310 C-2014	
LCS 410-638348/18	Lab Control Sample	Dissolved	Water	5310 C-2014	
LCS 410-638348/45	Lab Control Sample	Dissolved	Water	5310 C-2014	
LCS 410-638348/6	Lab Control Sample	Dissolved	Water	5310 C-2014	
LCSD 410-638348/19	Lab Control Sample Dup	Dissolved	Water	5310 C-2014	
LCSD 410-638348/46	Lab Control Sample Dup	Dissolved	Water	5310 C-2014	
MRL 410-638348/74	Lab Control Sample	Dissolved	Water	5310 C-2014	

Client Sample ID: 18 Control
Lab Sample ID: 410-218317-1

Date Collected: 04/18/25 08:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638800	KJQ8	ELLE	05/02/25 16:44
Dissolved	Prep	Non-Digest Prep			635234	UJL8	ELLE	04/28/25 12:11
Dissolved	Analysis	6010D		1	636776	T8CQ	ELLE	04/28/25 19:55
Total Recoverable	Prep	3005A			635247	UJL8	ELLE	04/29/25 06:00
Total Recoverable	Analysis	6010D		1	637376	T8CQ	ELLE	04/29/25 17:39
Dissolved	Analysis	5310 C-2014		1	638348	P684	ELLE	05/01/25 05:14

Client Sample ID: 18 20 SB
Lab Sample ID: 410-218317-2

Date Collected: 04/18/25 08:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638960	KJQ8	ELLE	05/03/25 05:20
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:10
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		1	636753	T8CQ	ELLE	04/28/25 19:37
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636753	T8CQ	ELLE	04/28/25 20:45
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636776	T8CQ	ELLE	04/28/25 22:42
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 05:29

Client Sample ID: 18 0.05 MnOOH
Lab Sample ID: 410-218317-3

Date Collected: 04/18/25 08:40
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638912	PYC6	ELLE	05/02/25 21:22
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 18:30
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 19:16
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		1	637936	T8CQ	ELLE	04/30/25 20:34
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 20:37
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 05:44

Client Sample ID: 18 0.1 MnOOH
Lab Sample ID: 410-218317-4

Date Collected: 04/18/25 09:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638960	KJQ8	ELLE	05/03/25 06:03

Client Sample ID: 18 0.1 MnOOH
Lab Sample ID: 410-218317-4

Date Collected: 04/18/25 09:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637675	MT26	ELLE	04/30/25 10:55
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 21:27
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		1	636776	T8CQ	ELLE	04/28/25 22:54
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636776	T8CQ	ELLE	04/28/25 22:58
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 06:30

Client Sample ID: 18 1.0 MnOOH
Lab Sample ID: 410-218317-5

Date Collected: 04/18/25 09:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		250	638800	KJQ8	ELLE	05/02/25 16:14
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637675	MT26	ELLE	04/30/25 10:52
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 21:24
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		1	636776	T8CQ	ELLE	04/28/25 22:51
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636776	T8CQ	ELLE	04/28/25 23:01
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 06:45

Client Sample ID: 18 0.05 Mn2O3
Lab Sample ID: 410-218317-6

Date Collected: 04/18/25 09:40
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 05:24
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637675	MT26	ELLE	04/30/25 10:49
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 21:21
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		1	636776	T8CQ	ELLE	04/28/25 22:13
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636776	T8CQ	ELLE	04/28/25 22:16
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 07:01

Client Sample ID: 18 0.1 Mn2O3

Lab Sample ID: 410-218317-7

Date Collected: 04/18/25 10:00

Matrix: Water

Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638800	KJQ8	ELLE	05/02/25 17:04
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637675	MT26	ELLE	04/30/25 10:45
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 21:18
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		1	636753	T8CQ	ELLE	04/28/25 20:38
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		10	636753	T8CQ	ELLE	04/28/25 20:42
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636776	T8CQ	ELLE	04/28/25 22:10
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 08:02

Client Sample ID: 18 1.0 Mn2O3

Lab Sample ID: 410-218317-8

Date Collected: 04/18/25 10:20

Matrix: Water

Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638800	KJQ8	ELLE	05/02/25 18:24
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 21:13
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 20:34
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		1	636753	T8CQ	ELLE	04/28/25 19:21
Total Recoverable	Prep	3005A			636061	UJL8	ELLE	04/28/25 06:48
Total Recoverable	Analysis	6010D		20	636776	T8CQ	ELLE	04/28/25 22:45
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 08:17

Client Sample ID: 18 0.05 Mn(OH)2

Lab Sample ID: 410-218317-9

Date Collected: 04/18/25 10:40

Matrix: Water

Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 00:34
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 20:14
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 20:25
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		1	637936	T8CQ	ELLE	04/30/25 20:28
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 20:31
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 08:32

Client Sample ID: 18 0.1 Mn(OH)2
Lab Sample ID: 410-218317-10

Date Collected: 04/18/25 11:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	638892	L4QM	ELLE	05/02/25 22:14
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 19:34
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 19:37
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		1	637936	T8CQ	ELLE	04/30/25 19:59
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 20:03
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 08:47

Client Sample ID: 18 1.0 Mn(OH)2
Lab Sample ID: 410-218317-11

Date Collected: 04/18/25 11:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 00:04
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 21:40
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 21:56
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		1	637936	T8CQ	ELLE	04/30/25 20:40
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 20:44
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 09:34

Client Sample ID: 18 0.05 KMnO4
Lab Sample ID: 410-218317-12

Date Collected: 04/18/25 11:40
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/02/25 23:34
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 21:43
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 22:00
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		1	637936	T8CQ	ELLE	04/30/25 19:50
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 19:53
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 09:49

Lab Chronicle

Client: Terra Systems Inc
Job ID: 410-218317-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 18 0.1 KMnO4
Lab Sample ID: 410-218317-13
Date Collected: 04/18/25 12:00
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/02/25 22:44
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		20	637376	T8CQ	ELLE	04/29/25 20:51
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 19:55
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		1	637936	T8CQ	ELLE	04/30/25 19:41
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 19:44
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 10:04

Client Sample ID: 18 1.0 KMnO4
Lab Sample ID: 410-218317-14
Date Collected: 04/18/25 12:20
Matrix: Water
Date Received: 04/21/25 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	638892	L4QM	ELLE	05/03/25 01:24
Dissolved	Prep	Non-Digest Prep			636936	UJL8	ELLE	04/29/25 10:00
Dissolved	Analysis	6010D		1	637371	T8CQ	ELLE	04/29/25 21:45
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		1	637936	T8CQ	ELLE	04/30/25 20:21
Total Recoverable	Prep	3005A			636077	UJL8	ELLE	04/30/25 06:55
Total Recoverable	Analysis	6010D		10	637936	T8CQ	ELLE	04/30/25 20:25
Dissolved	Analysis	5310 C-2014		250	638348	P684	ELLE	05/01/25 10:19

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-218317-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
5310 C-2014		Water	Dissolved Carbon
6010D	3005A	Water	Lithium
6010D	Non-Digest Prep	Water	Lithium

Method Summary

Client: Terra Systems Inc
Job ID: 410-218317-1
Project/Site: WSP Plant Scherer CCR TS

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6010D	Metals (ICP)	SW846	ELLE
5310 C-2014	Total Organic Carbon/Persulfate - Ultrav	SM	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Terra Systems Inc
Job ID: 410-218317-1
Project/Site: WSP Plant Scherer CCR TS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-218317-1	18 Control	Water	04/18/25 08:00	04/21/25 16:00
410-218317-2	18 20 SB	Water	04/18/25 08:20	04/21/25 16:00
410-218317-3	18 0.05 MnOOH	Water	04/18/25 08:40	04/21/25 16:00
410-218317-4	18 0.1 MnOOH	Water	04/18/25 09:00	04/21/25 16:00
410-218317-5	18 1.0 MnOOH	Water	04/18/25 09:20	04/21/25 16:00
410-218317-6	18 0.05 Mn2O3	Water	04/18/25 09:40	04/21/25 16:00
410-218317-7	18 0.1 Mn2O3	Water	04/18/25 10:00	04/21/25 16:00
410-218317-8	18 1.0 Mn2O3	Water	04/18/25 10:20	04/21/25 16:00
410-218317-9	18 0.05 Mn(OH)2	Water	04/18/25 10:40	04/21/25 16:00
410-218317-10	18 0.1 Mn(OH)2	Water	04/18/25 11:00	04/21/25 16:00
410-218317-11	18 1.0 Mn(OH)2	Water	04/18/25 11:20	04/21/25 16:00
410-218317-12	18 0.05 KMnO4	Water	04/18/25 11:40	04/21/25 16:00
410-218317-13	18 0.1 KMnO4	Water	04/18/25 12:00	04/21/25 16:00
410-218317-14	18 1.0 KMnO4	Water	04/18/25 12:20	04/21/25 16:00

Environme st/Chain of Custody

410-218317 Chain of Custody

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Acct. # _____

| | | |

Login Sample Receipt Checklist

Client: Terra Systems Inc

Job Number: 410-218317-1

Login Number: 218317

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Cyms, Carolyn M

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dr. Michael D Lee
Terra Systems Inc
130 Hickman Road
Suite 1
Claymont, Delaware 19703

Generated 5/9/2025 2:24:41 PM

JOB DESCRIPTION

WSP Plant Scherer CCR TS

JOB NUMBER

410-218514-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

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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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is 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.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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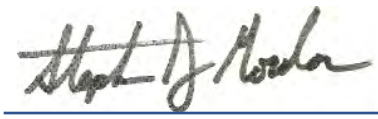


Table of Contents

Cover Page 1
Table of Contents 4
Definitions/Glossary 5
Case Narrative 6
Detection Summary 8
Client Sample Results 14
QC Sample Results 25
QC Association Summary 32
Lab Chronicle 37
Certification Summary 42
Method Summary 43
Sample Summary 44
Chain of Custody 45
Receipt Checklists 46

Definitions/Glossary

Client: Terra Systems Inc
Job ID: 410-218514-1
Project/Site: WSP Plant Scherer CCR TS

Qualifiers

Metals

Qualifier	Qualifier Description
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
cn	Refer to Case Narrative for further detail
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-218514-1

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 4/22/2025 6:12 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

Receipt Exceptions
Insufficient sample volume was provided for all samples for the 6020 (Total) analysis: recevied sample containers less than half full20 Control (410-218514-1), 20 20 SB (410-218514-2), 20 0.05 MnOOH (410-218514-3), 20 0.1 MnOOH (410-218514-4), 20 1.0 MnOOH (410-218514-5), 20 0.05 Mn2O3 (410-218514-6), 20 0.1 Mn2O3 (410-218514-7), 20 1.0 Mn2O3 (410-218514-8), 20 0.05 Mn(OH)2 (410-218514-9), 20 0.1 Mn(OH)2 (410-218514-10), 20 1.0 Mn(OH)2 (410-218514-11), 20 0.05 KMnO4 (410-218514-12), 20 0.1 KMnO4 (410-218514-13) and 20 1.0 KMnO4 (410-218514-14).

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 20 0.1 MnOOH (410-218514-4), 20 1.0 MnOOH (410-218514-5), 20 0.05 Mn2O3 (410-218514-6) and 20 1.0 Mn2O3 (410-218514-8). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 20 20 SB (410-218514-2), 20 0.05 MnOOH (410-218514-3), 20 0.1 Mn2O3 (410-218514-7), 20 1.0 Mn(OH)2 (410-218514-11) and 20 0.05 KMnO4 (410-218514-12). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: The following samples were diluted due to the nature of the sample matrix: 20 0.1 MnOOH (410-218514-4), 20 1.0 MnOOH (410-218514-5), 20 0.05 Mn2O3 (410-218514-6) and 20 1.0 Mn2O3 (410-218514-8). Elevated reporting limits (RLs) are provided.

Method 6010D - Dissolved: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 20 0.05 Mn(OH)2 (410-218514-9), 20 0.1 Mn(OH)2 (410-218514-10), 20 0.1 KMnO4 (410-218514-13) and 20 1.0 KMnO4 (410-218514-14). The reporting limits (RLs) have been adjusted proportionately.

Method 6010D - Total Recoverable: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 7: 20 1.0 KMnO4 (410-218514-14) and could not be adjusted. This does not meet regulatory requirements.

Method 6010D - Total Recoverable: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: 20 20 SB (410-218514-2), 20 0.05 MnOOH (410-218514-3), 20 0.1 MnOOH (410-218514-4), 20 1.0 MnOOH (410-218514-5), 20 0.05 Mn2O3 (410-218514-6), 20 0.1 Mn2O3 (410-218514-7) and 20 1.0 Mn2O3 (410-218514-8). The reporting limits (RLs) have been adjusted proportionately.

Method 6010D - Total Recoverable: The following samples were diluted due to the nature of the sample matrix: 20 0.05 MnOOH (410-218514-3), 20 0.05 Mn2O3 (410-218514-6), 20 0.1 Mn2O3 (410-218514-7) and 20 1.0 Mn2O3 (410-218514-8). Elevated reporting limits (RLs) are provided.

Method 6010D - Total Recoverable: Due to the matrix, the initial volume(s) used for the following sample deviated from the

standard procedure: 20 1.0 KMnO4 (410-218514-14). The reporting limits (RLs) have been adjusted proportionately.

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.

Detection Summary

Client: Terra Systems Inc
Job ID: 410-218514-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 20 Control — Lab Sample ID: 410-218514-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	250		15	5.0	mg/L	10		EPA 300.0 R2.1	Total/NA
Arsenic	0.041	J	0.050	0.016	mg/L	1		6010D	Total Recoverable
Beryllium	0.0033	J	0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Chromium	0.078		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.16		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	120		0.20	0.080	mg/L	1		6010D	Total Recoverable
Magnesium	25		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	3.0		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	7.8		1.0	0.25	mg/L	1		6010D	Total Recoverable
Sodium	53		1.0	0.40	mg/L	1		6010D	Total Recoverable
Cobalt	0.097		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.7		0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	1.8		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 20 SB — Lab Sample ID: 410-218514-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	470		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Beryllium	0.028	J	0.050	0.010	mg/L	1		6010D	Total Recoverable
Chromium	1.1		0.15	0.030	mg/L	1		6010D	Total Recoverable
Cobalt	0.81		0.050	0.015	mg/L	1		6010D	Total Recoverable
Iron	1600		2.0	0.80	mg/L	1		6010D	Total Recoverable
Magnesium	140		2.0	0.80	mg/L	1		6010D	Total Recoverable
Manganese	20		0.10	0.030	mg/L	1		6010D	Total Recoverable
Potassium	60		10	2.5	mg/L	1		6010D	Total Recoverable
Sodium	3700		10	4.0	mg/L	1		6010D	Total Recoverable
Chromium	0.0096	J	0.015	0.0031	mg/L	1		6010D	Dissolved
Cobalt	0.013		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.1		0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	4.5		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.05 MnOOH — Lab Sample ID: 410-218514-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	400		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.17		0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.12		0.025	0.0075	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 20 0.05 MnOOH (Continued) — Lab Sample ID: 410-218514-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	230		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	72		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	4.7		0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	11	J cn	25	6.3	mg/L	5		6010D	Total Recoverable
Sodium	3900	cn	25	10	mg/L	5		6010D	Total Recoverable
Chromium	0.011	J	0.015	0.0031	mg/L	1		6010D	Dissolved
Cobalt	0.0093		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.41		0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	3.9		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.1 MnOOH — Lab Sample ID: 410-218514-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	480		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Beryllium	0.015	J	0.050	0.010	mg/L	1		6010D	Total Recoverable
Chromium	0.62		0.15	0.030	mg/L	1		6010D	Total Recoverable
Cobalt	0.41		0.050	0.015	mg/L	1		6010D	Total Recoverable
Iron	890		2.0	0.80	mg/L	1		6010D	Total Recoverable
Magnesium	110		2.0	0.80	mg/L	1		6010D	Total Recoverable
Manganese	21		0.10	0.030	mg/L	1		6010D	Total Recoverable
Potassium	36		10	2.5	mg/L	1		6010D	Total Recoverable
Sodium	3900		10	4.0	mg/L	1		6010D	Total Recoverable
Cobalt	0.0039	J cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.30	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	3.9		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 1.0 MnOOH — Lab Sample ID: 410-218514-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	430		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.13		0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.11		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	190		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	71		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	4.8		0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	12		10	2.5	mg/L	2		6010D	Total Recoverable
Sodium	3700		10	4.0	mg/L	2		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 20 1.0 MnOOH (Continued) — Lab Sample ID: 410-218514-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.011	cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.97	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	3.7		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.05 Mn2O3 — Lab Sample ID: 410-218514-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	390		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Beryllium	0.0069	J	0.025	0.0050	mg/L	1		6010D	Total Recoverable
Chromium	0.16		0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.14		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	240		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	89		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	6.4		0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	18	J cn	25	6.3	mg/L	5		6010D	Total Recoverable
Sodium	3700	cn	25	10	mg/L	5		6010D	Total Recoverable
Cobalt	0.017	cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.9	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	3.6		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.1 Mn2O3 — Lab Sample ID: 410-218514-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	410		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.086		0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.076		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	130		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	68		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	4.6		0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	12	J cn	25	6.3	mg/L	5		6010D	Total Recoverable
Sodium	3400	cn	25	10	mg/L	5		6010D	Total Recoverable
Chromium	0.0050	J	0.015	0.0031	mg/L	1		6010D	Dissolved
Cobalt	0.020		0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.6		0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	4.5		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 1.0 Mn2O3 — Lab Sample ID: 410-218514-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	440		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 20 1.0 Mn2O3 (Continued) — Lab Sample ID: 410-218514-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.16		0.075	0.015	mg/L	1		6010D	Total Recoverable
Cobalt	0.11		0.025	0.0075	mg/L	1		6010D	Total Recoverable
Iron	270		1.0	0.40	mg/L	1		6010D	Total Recoverable
Magnesium	87		1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	32		0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	16	J cn	25	6.3	mg/L	5		6010D	Total Recoverable
Sodium	4500	cn	25	10	mg/L	5		6010D	Total Recoverable
Cobalt	0.015	cn	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	1.0	cn	0.21	0.062	mg/L	20		6010D	Dissolved
Dissolved Organic Carbon	6.5		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.05 Mn(OH)2 — Lab Sample ID: 410-218514-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	470		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.016		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Lithium	0.013	J	0.050	0.011	mg/L	1		6010D	Total Recoverable
Magnesium	64		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	0.0033	J	0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	7.4	J	10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	3300		10	4.0	mg/L	10		6010D	Total Recoverable
Dissolved Organic Carbon	3.9		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.1 Mn(OH)2 — Lab Sample ID: 410-218514-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	480		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Chromium	0.0060	J	0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.0080		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Magnesium	61		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	0.71		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	8.9	J	10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	3500		10	4.0	mg/L	10		6010D	Total Recoverable
Cobalt	0.012	J	0.026	0.0077	mg/L	1		6010D	Dissolved
Manganese	0.64		0.052	0.015	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	4.9		1.0	0.50	mg/L	1		5310C-2014	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Terra Systems Inc
Project/Site: WSP Plant Scherer CCR TS

Job ID: 410-218514-1

Client Sample ID: 20 1.0 Mn(OH)2 — Lab Sample ID: 410-218514-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	480		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Arsenic	4.5	J	10	3.2	mg/L	20		6010D	Total Recoverable
Beryllium	0.082		0.050	0.010	mg/L	1		6010D	Total Recoverable
Chromium	3.5		3.0	0.60	mg/L	20		6010D	Total Recoverable
Cobalt	3.1		1.0	0.30	mg/L	20		6010D	Total Recoverable
Iron	5100		40	16	mg/L	20		6010D	Total Recoverable
Magnesium	260		2.0	0.80	mg/L	1		6010D	Total Recoverable
Manganese	570		2.0	0.60	mg/L	20		6010D	Total Recoverable
Potassium	200		200	50	mg/L	20		6010D	Total Recoverable
Sodium	2700		10	4.0	mg/L	1		6010D	Total Recoverable
Chromium	0.010	J	0.015	0.0031	mg/L	1		6010D	Dissolved
Cobalt	0.0034	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.22		0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	4.3		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.05 KMnO4 — Lab Sample ID: 410-218514-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	450		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Arsenic	0.021	J	0.050	0.016	mg/L	1		6010D	Total Recoverable
Beryllium	0.0016	J	0.0050	0.0010	mg/L	1		6010D	Total Recoverable
Chromium	0.054		0.015	0.0030	mg/L	1		6010D	Total Recoverable
Cobalt	0.019		0.0050	0.0015	mg/L	1		6010D	Total Recoverable
Iron	75		0.20	0.080	mg/L	1		6010D	Total Recoverable
Magnesium	57		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	0.69		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Potassium	13	J	20	5.0	mg/L	20		6010D	Total Recoverable
Sodium	3100	^2	20	8.0	mg/L	20		6010D	Total Recoverable
Chromium	0.014	J	0.015	0.0031	mg/L	1		6010D	Dissolved
Cobalt	0.0032	J	0.0052	0.0015	mg/L	1		6010D	Dissolved
Manganese	0.053		0.010	0.0031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	4.3		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 0.1 KMnO4 — Lab Sample ID: 410-218514-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	400		150	50	mg/L	100		EPA 300.0 R2.1	Total/NA
Chromium	0.096		0.015	0.0030	mg/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 20 0.1 KMnO4 (Continued)
Lab Sample ID: 410-218514-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	67		0.20	0.080	mg/L	1		6010D	Total Recoverable
Manganese	0.023		0.010	0.0030	mg/L	1		6010D	Total Recoverable
Molybdenum	0.0041	J	0.010	0.0020	mg/L	1		6010D	Total Recoverable
Potassium	13		10	2.5	mg/L	10		6010D	Total Recoverable
Sodium	3400		10	4.0	mg/L	10		6010D	Total Recoverable
Chromium	0.093		0.077	0.015	mg/L	1		6010D	Dissolved
Manganese	0.024	J	0.052	0.015	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	4.1		1.0	0.50	mg/L	1		5310C-2014	Dissolved

Client Sample ID: 20 1.0 KMnO4
Lab Sample ID: 410-218514-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	470		38	13	mg/L	25		EPA 300.0 R2.1	Total/NA
Chromium	0.49	cn	0.075	0.015	mg/L	1		6010D	Total Recoverable
Magnesium	55	cn	1.0	0.40	mg/L	1		6010D	Total Recoverable
Manganese	89	cn	0.050	0.015	mg/L	1		6010D	Total Recoverable
Potassium	51	cn	25	6.3	mg/L	5		6010D	Total Recoverable
Selenium	0.13	J cn	0.25	0.080	mg/L	1		6010D	Total Recoverable
Sodium	2700	cn	25	10	mg/L	5		6010D	Total Recoverable
Chromium	0.50		0.15	0.031	mg/L	1		6010D	Dissolved
Manganese	78		0.10	0.031	mg/L	1		6010D	Dissolved
Dissolved Organic Carbon	6.3		1.0	0.50	mg/L	1		5310C-2014	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: 20 Control

Lab Sample ID: 410-218514-1

Date Collected: 04/21/25 12:40

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**250**		15	5.0	mg/L			05/03/25 21:58	10

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.041**	**J**	0.050	0.016	mg/L		05/01/25 06:46	05/01/25 18:53	1
Beryllium	**0.0033**	**J**	0.0050	0.0010	mg/L		05/01/25 06:46	05/01/25 18:53	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/01/25 06:46	05/01/25 18:53	1
Chromium	**0.078**		0.015	0.0030	mg/L		05/01/25 06:46	05/01/25 18:53	1
Cobalt	**0.16**		0.0050	0.0015	mg/L		05/01/25 06:46	05/01/25 18:53	1
Iron	**120**		0.20	0.080	mg/L		05/01/25 06:46	05/01/25 18:53	1
Lithium	<0.011		0.050	0.011	mg/L		05/01/25 06:46	05/01/25 18:53	1
Magnesium	**25**		0.20	0.080	mg/L		05/01/25 06:46	05/01/25 18:53	1
Manganese	**3.0**		0.010	0.0030	mg/L		05/01/25 06:46	05/01/25 18:53	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		05/01/25 06:46	05/01/25 18:53	1
Potassium	**7.8**		1.0	0.25	mg/L		05/01/25 06:46	05/01/25 18:53	1
Selenium	<0.016		0.050	0.016	mg/L		05/01/25 06:46	05/01/25 18:53	1
Sodium	**53**		1.0	0.40	mg/L		05/01/25 06:46	05/01/25 18:53	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 20:17	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 20:17	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 20:17	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 20:17	1
Cobalt	**0.097**		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 20:17	1
Lithium	<0.011		0.052	0.011	mg/L		04/30/25 09:30	04/30/25 20:17	1
Manganese	**1.7**		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 20:17	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 20:17	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 20:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**1.8**		1.0	0.50	mg/L			04/29/25 02:33	1

Client Sample ID: 20 20 SB

Lab Sample ID: 410-218514-2

Date Collected: 04/21/25 13:00

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**470**		75	25	mg/L			05/04/25 02:40	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/30/25 21:00	05/01/25 07:47	1
Beryllium	**0.028**	**J**	0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:47	1
Cadmium	<0.010		0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:47	1
Chromium	**1.1**		0.15	0.030	mg/L		04/30/25 21:00	05/01/25 07:47	1
Cobalt	**0.81**		0.050	0.015	mg/L		04/30/25 21:00	05/01/25 07:47	1
Iron	**1600**		2.0	0.80	mg/L		04/30/25 21:00	05/01/25 07:47	1

Client Sample ID: 20 20 SB

Lab Sample ID: 410-218514-2

Date Collected: 04/21/25 13:00

Matrix: Water

Date Received: 04/22/25 18:12

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.11		0.50	0.11	mg/L		04/30/25 21:00	05/01/25 07:47	1
Magnesium	**140**		2.0	0.80	mg/L		04/30/25 21:00	05/01/25 07:47	1
Manganese	**20**		0.10	0.030	mg/L		04/30/25 21:00	05/01/25 07:47	1
Molybdenum	<0.020		0.10	0.020	mg/L		04/30/25 21:00	05/01/25 07:47	1
Potassium	**60**		10	2.5	mg/L		04/30/25 21:00	05/01/25 07:47	1
Selenium	<0.16		0.50	0.16	mg/L		04/30/25 21:00	05/01/25 07:47	1
Sodium	**3700**		10	4.0	mg/L		04/30/25 21:00	05/01/25 07:47	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 19:26	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 19:26	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 19:26	1
Chromium	**0.0096**	**J**	0.015	0.0031	mg/L		05/01/25 08:11	05/01/25 19:26	1
Cobalt	**0.013**		0.0052	0.0015	mg/L		05/01/25 08:11	05/01/25 19:26	1
Lithium	<0.23	cn	1.0	0.23	mg/L		05/01/25 08:11	05/01/25 19:59	20
Manganese	**1.1**		0.010	0.0031	mg/L		05/01/25 08:11	05/01/25 19:26	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/01/25 08:11	05/01/25 19:26	1
Selenium	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 19:26	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**4.5**		1.0	0.50	mg/L			04/29/25 02:57	1

Client Sample ID: 20 0.05 MnOOH

Lab Sample ID: 410-218514-3

Date Collected: 04/21/25 13:20

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**400**		75	25	mg/L			05/03/25 22:58	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:41	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:41	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:41	1
Chromium	**0.17**		0.075	0.015	mg/L		04/30/25 21:00	05/01/25 07:41	1
Cobalt	**0.12**		0.025	0.0075	mg/L		04/30/25 21:00	05/01/25 07:41	1
Iron	**230**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:41	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 21:00	05/01/25 07:41	1
Magnesium	**72**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:41	1
Manganese	**4.7**		0.050	0.015	mg/L		04/30/25 21:00	05/01/25 07:41	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:41	1
Potassium	**11**	**J cn**	25	6.3	mg/L		04/30/25 21:00	05/01/25 08:11	5
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:41	1
Sodium	**3900**	**cn**	25	10	mg/L		04/30/25 21:00	05/01/25 08:11	5

Client Sample ID: 20 0.05 MnOOH

Lab Sample ID: 410-218514-3

Date Collected: 04/21/25 13:20

Matrix: Water

Date Received: 04/22/25 18:12

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 19:20	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 19:20	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 19:20	1
Chromium	**0.011**	**J**	0.015	0.0031	mg/L		05/01/25 08:11	05/01/25 19:20	1
Cobalt	**0.0093**		0.0052	0.0015	mg/L		05/01/25 08:11	05/01/25 19:20	1
Lithium	<0.23	cn	1.0	0.23	mg/L		05/01/25 08:11	05/01/25 19:53	20
Manganese	**0.41**		0.010	0.0031	mg/L		05/01/25 08:11	05/01/25 19:20	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/01/25 08:11	05/01/25 19:20	1
Selenium	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 19:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**3.9**		1.0	0.50	mg/L			04/29/25 04:35	1

Client Sample ID: 20 0.1 MnOOH

Lab Sample ID: 410-218514-4

Date Collected: 04/21/25 08:20

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**480**		150	50	mg/L			05/04/25 02:57	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.50	0.16	mg/L		04/30/25 21:00	05/01/25 07:50	1
Beryllium	**0.015**	**J**	0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:50	1
Cadmium	<0.010		0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:50	1
Chromium	**0.62**		0.15	0.030	mg/L		04/30/25 21:00	05/01/25 07:50	1
Cobalt	**0.41**		0.050	0.015	mg/L		04/30/25 21:00	05/01/25 07:50	1
Iron	**890**		2.0	0.80	mg/L		04/30/25 21:00	05/01/25 07:50	1
Lithium	<0.11		0.50	0.11	mg/L		04/30/25 21:00	05/01/25 07:50	1
Magnesium	**110**		2.0	0.80	mg/L		04/30/25 21:00	05/01/25 07:50	1
Manganese	**21**		0.10	0.030	mg/L		04/30/25 21:00	05/01/25 07:50	1
Molybdenum	<0.020		0.10	0.020	mg/L		04/30/25 21:00	05/01/25 07:50	1
Potassium	**36**		10	2.5	mg/L		04/30/25 21:00	05/01/25 07:50	1
Selenium	<0.16		0.50	0.16	mg/L		04/30/25 21:00	05/01/25 07:50	1
Sodium	**3900**		10	4.0	mg/L		04/30/25 21:00	05/01/25 07:50	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 23:24	1
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	05/01/25 10:58	20
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 23:24	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	05/01/25 10:58	20
Cobalt	**0.0039**	**J cn**	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 23:24	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 23:28	20
Manganese	**0.30**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	05/01/25 10:58	20
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 23:24	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 23:24	1

Client Sample ID: 20 0.1 MnOOH
Lab Sample ID: 410-218514-4

Date Collected: 04/21/25 08:20
Matrix: Water
Date Received: 04/22/25 18:12

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	3.9		1.0	0.50	mg/L			04/29/25 04:59	1

Client Sample ID: 20 1.0 MnOOH
Lab Sample ID: 410-218514-5

Date Collected: 04/21/25 08:40
Matrix: Water
Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	430		75	25	mg/L			05/03/25 23:32	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:44	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:44	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:44	1
Chromium	0.13		0.075	0.015	mg/L		04/30/25 21:00	05/01/25 07:44	1
Cobalt	0.11		0.025	0.0075	mg/L		04/30/25 21:00	05/01/25 07:44	1
Iron	190		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:44	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 21:00	05/01/25 07:44	1
Magnesium	71		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:44	1
Manganese	4.8		0.050	0.015	mg/L		04/30/25 21:00	05/01/25 07:44	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:44	1
Potassium	12		10	2.5	mg/L		04/30/25 21:00	05/01/25 08:14	2
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:44	1
Sodium	3700		10	4.0	mg/L		04/30/25 21:00	05/01/25 08:14	2

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 23:12	1
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	05/01/25 10:52	20
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 23:12	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	05/01/25 10:52	20
Cobalt	0.011	cn	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 23:12	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 23:15	20
Manganese	0.97	cn	0.21	0.062	mg/L		04/30/25 09:30	05/01/25 10:52	20
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 23:12	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 23:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	3.7		1.0	0.50	mg/L			04/29/25 05:22	1

Client Sample ID: 20 0.05 Mn2O3
Lab Sample ID: 410-218514-6

Date Collected: 04/21/25 09:00
Matrix: Water
Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	390		75	25	mg/L			05/03/25 23:50	50

Client Sample ID: 20 0.05 Mn2O3

Lab Sample ID: 410-218514-6

Date Collected: 04/21/25 09:00

Matrix: Water

Date Received: 04/22/25 18:12

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:19	1
Beryllium	**0.0069**	**J**	0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:19	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:19	1
Chromium	**0.16**		0.075	0.015	mg/L		04/30/25 21:00	05/01/25 07:19	1
Cobalt	**0.14**		0.025	0.0075	mg/L		04/30/25 21:00	05/01/25 07:19	1
Iron	**240**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:19	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 21:00	05/01/25 07:19	1
Magnesium	**89**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:19	1
Manganese	**6.4**		0.050	0.015	mg/L		04/30/25 21:00	05/01/25 07:19	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:19	1
Potassium	**18**	**J cn**	25	6.3	mg/L		04/30/25 21:00	05/01/25 07:53	5
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:19	1
Sodium	**3700**	**cn**	25	10	mg/L		04/30/25 21:00	05/01/25 07:53	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 23:18	1
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	05/01/25 10:55	20
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 23:18	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	05/01/25 10:55	20
Cobalt	**0.017**	**cn**	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 23:18	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 23:21	20
Manganese	**1.9**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	05/01/25 10:55	20
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 23:18	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 23:18	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**3.6**		1.0	0.50	mg/L			04/29/25 06:35	1

Client Sample ID: 20 0.1 Mn2O3

Lab Sample ID: 410-218514-7

Date Collected: 04/21/25 09:20

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**410**		75	25	mg/L			05/04/25 00:24	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:22	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:22	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:22	1
Chromium	**0.086**		0.075	0.015	mg/L		04/30/25 21:00	05/01/25 07:22	1
Cobalt	**0.076**		0.025	0.0075	mg/L		04/30/25 21:00	05/01/25 07:22	1
Iron	**130**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:22	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 21:00	05/01/25 07:22	1
Magnesium	**68**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:22	1
Manganese	**4.6**		0.050	0.015	mg/L		04/30/25 21:00	05/01/25 07:22	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:22	1

Client Sample ID: 20 0.1 Mn2O3

Lab Sample ID: 410-218514-7

Date Collected: 04/21/25 09:20

Matrix: Water

Date Received: 04/22/25 18:12

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**12**	**J cn**	25	6.3	mg/L		04/30/25 21:00	05/01/25 07:56	5
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:22	1
Sodium	**3400**	**cn**	25	10	mg/L		04/30/25 21:00	05/01/25 07:56	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 20:08	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 20:08	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 20:08	1
Chromium	**0.0050**	**J**	0.015	0.0031	mg/L		05/01/25 08:11	05/01/25 20:08	1
Cobalt	**0.020**		0.0052	0.0015	mg/L		05/01/25 08:11	05/01/25 20:08	1
Lithium	<0.23	cn	1.0	0.23	mg/L		05/01/25 08:11	05/01/25 20:11	20
Manganese	**1.6**		0.010	0.0031	mg/L		05/01/25 08:11	05/01/25 20:08	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/01/25 08:11	05/01/25 20:08	1
Selenium	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 20:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**4.5**		1.0	0.50	mg/L			04/29/25 06:59	1

Client Sample ID: 20 1.0 Mn2O3

Lab Sample ID: 410-218514-8

Date Collected: 04/21/25 09:40

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**440**		75	25	mg/L			05/04/25 00:41	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:35	1
Beryllium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:35	1
Cadmium	<0.0050		0.025	0.0050	mg/L		04/30/25 21:00	05/01/25 07:35	1
Chromium	**0.16**		0.075	0.015	mg/L		04/30/25 21:00	05/01/25 07:35	1
Cobalt	**0.11**		0.025	0.0075	mg/L		04/30/25 21:00	05/01/25 07:35	1
Iron	**270**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:35	1
Lithium	<0.055		0.25	0.055	mg/L		04/30/25 21:00	05/01/25 07:35	1
Magnesium	**87**		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 07:35	1
Manganese	**32**		0.050	0.015	mg/L		04/30/25 21:00	05/01/25 07:35	1
Molybdenum	<0.010		0.050	0.010	mg/L		04/30/25 21:00	05/01/25 07:35	1
Potassium	**16**	**J cn**	25	6.3	mg/L		04/30/25 21:00	05/01/25 07:59	5
Selenium	<0.080		0.25	0.080	mg/L		04/30/25 21:00	05/01/25 07:35	1
Sodium	**4500**	**cn**	25	10	mg/L		04/30/25 21:00	05/01/25 07:59	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 22:50	1
Beryllium	<0.021	cn	0.10	0.021	mg/L		04/30/25 09:30	05/01/25 10:48	20
Cadmium	<0.0010	cn	0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 22:50	1
Chromium	<0.062	cn	0.31	0.062	mg/L		04/30/25 09:30	05/01/25 10:48	20

Client Sample ID: 20 1.0 Mn2O3

Lab Sample ID: 410-218514-8

Date Collected: 04/21/25 09:40

Matrix: Water

Date Received: 04/22/25 18:12

Method: SW846 6010D - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**0.015**	**cn**	0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 22:50	1
Lithium	<0.23	cn	1.0	0.23	mg/L		04/30/25 09:30	04/30/25 22:53	20
Manganese	**1.0**	**cn**	0.21	0.062	mg/L		04/30/25 09:30	05/01/25 10:48	20
Molybdenum	<0.0021	cn	0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 22:50	1
Selenium	<0.016	cn	0.052	0.016	mg/L		04/30/25 09:30	04/30/25 22:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**6.5**		1.0	0.50	mg/L			04/29/25 07:22	1

Client Sample ID: 20 0.05 Mn(OH)2

Lab Sample ID: 410-218514-9

Date Collected: 04/21/25 10:00

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**470**		75	25	mg/L			05/03/25 22:41	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 12:11	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 12:11	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 12:11	1
Chromium	**0.016**		0.015	0.0030	mg/L		05/04/25 21:00	05/05/25 12:11	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		05/04/25 21:00	05/05/25 12:11	1
Iron	<0.080		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 12:11	1
Lithium	**0.013**	**J**	0.050	0.011	mg/L		05/04/25 21:00	05/05/25 12:11	1
Magnesium	**64**		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 12:11	1
Manganese	**0.0033**	**J**	0.010	0.0030	mg/L		05/04/25 21:00	05/05/25 12:11	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		05/04/25 21:00	05/05/25 12:11	1
Potassium	**7.4**	**J**	10	2.5	mg/L		05/04/25 21:00	05/05/25 18:48	10
Selenium	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 12:11	1
Sodium	**3300**		10	4.0	mg/L		05/04/25 21:00	05/05/25 18:48	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.082		0.26	0.082	mg/L		05/08/25 23:30	05/09/25 10:17	1
Beryllium	<0.0052		0.026	0.0052	mg/L		05/08/25 23:30	05/09/25 10:17	1
Cadmium	<0.0052		0.026	0.0052	mg/L		05/08/25 23:30	05/09/25 10:17	1
Chromium	<0.015		0.077	0.015	mg/L		05/08/25 23:30	05/09/25 10:17	1
Cobalt	<0.0077		0.026	0.0077	mg/L		05/08/25 23:30	05/09/25 10:17	1
Lithium	<0.057		0.26	0.057	mg/L		05/08/25 23:30	05/09/25 10:17	1
Manganese	<0.015		0.052	0.015	mg/L		05/08/25 23:30	05/09/25 10:17	1
Molybdenum	<0.010		0.052	0.010	mg/L		05/08/25 23:30	05/09/25 10:17	1
Selenium	<0.082		0.26	0.082	mg/L		05/08/25 23:30	05/09/25 10:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**3.9**		1.0	0.50	mg/L			04/29/25 07:46	1

Client Sample ID: 20 0.1 Mn(OH)2

Lab Sample ID: 410-218514-10

Date Collected: 04/21/25 10:20

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**480**		75	25	mg/L			05/03/25 23:15	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 12:08	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 12:08	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 12:08	1
Chromium	**0.0060**	**J**	0.015	0.0030	mg/L		05/04/25 21:00	05/05/25 12:08	1
Cobalt	**0.0080**		0.0050	0.0015	mg/L		05/04/25 21:00	05/05/25 12:08	1
Iron	<0.080		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 12:08	1
Lithium	<0.011		0.050	0.011	mg/L		05/04/25 21:00	05/05/25 12:08	1
Magnesium	**61**		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 12:08	1
Manganese	**0.71**		0.010	0.0030	mg/L		05/04/25 21:00	05/05/25 12:08	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		05/04/25 21:00	05/05/25 12:08	1
Potassium	**8.9**	**J**	10	2.5	mg/L		05/04/25 21:00	05/05/25 18:45	10
Selenium	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 12:08	1
Sodium	**3500**		10	4.0	mg/L		05/04/25 21:00	05/05/25 18:45	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.082		0.26	0.082	mg/L		05/08/25 23:30	05/09/25 09:55	1
Beryllium	<0.0052		0.026	0.0052	mg/L		05/08/25 23:30	05/09/25 09:55	1
Cadmium	<0.0052		0.026	0.0052	mg/L		05/08/25 23:30	05/09/25 09:55	1
Chromium	<0.015		0.077	0.015	mg/L		05/08/25 23:30	05/09/25 09:55	1
Cobalt	**0.012**	**J**	0.026	0.0077	mg/L		05/08/25 23:30	05/09/25 09:55	1
Lithium	<0.057		0.26	0.057	mg/L		05/08/25 23:30	05/09/25 09:55	1
Manganese	**0.64**		0.052	0.015	mg/L		05/08/25 23:30	05/09/25 09:55	1
Molybdenum	<0.010		0.052	0.010	mg/L		05/08/25 23:30	05/09/25 09:55	1
Selenium	<0.082		0.26	0.082	mg/L		05/08/25 23:30	05/09/25 09:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**4.9**		1.0	0.50	mg/L			04/29/25 08:10	1

Client Sample ID: 20 1.0 Mn(OH)2

Lab Sample ID: 410-218514-11

Date Collected: 04/21/25 10:40

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**480**		150	50	mg/L			05/03/25 11:34	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.5**	**J**	10	3.2	mg/L		05/02/25 06:38	05/02/25 20:44	20
Beryllium	**0.082**		0.050	0.010	mg/L		05/02/25 06:38	05/02/25 20:40	1
Cadmium	<0.010		0.050	0.010	mg/L		05/02/25 06:38	05/02/25 20:40	1
Chromium	**3.5**		3.0	0.60	mg/L		05/02/25 06:38	05/02/25 20:44	20
Cobalt	**3.1**		1.0	0.30	mg/L		05/02/25 06:38	05/02/25 20:44	20
Iron	**5100**		40	16	mg/L		05/02/25 06:38	05/02/25 20:44	20

Client Sample ID: 20 1.0 Mn(OH)2

Lab Sample ID: 410-218514-11

Date Collected: 04/21/25 10:40

Matrix: Water

Date Received: 04/22/25 18:12

Method: SW846 6010D - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<2.2		10	2.2	mg/L		05/02/25 06:38	05/02/25 20:44	20
Magnesium	**260**		2.0	0.80	mg/L		05/02/25 06:38	05/02/25 20:40	1
Manganese	**570**		2.0	0.60	mg/L		05/02/25 06:38	05/02/25 20:44	20
Molybdenum	<0.020		0.10	0.020	mg/L		05/02/25 06:38	05/02/25 20:40	1
Potassium	**200**		200	50	mg/L		05/02/25 06:38	05/02/25 20:44	20
Selenium	<0.16		0.50	0.16	mg/L		05/02/25 06:38	05/02/25 20:40	1
Sodium	**2700**		10	4.0	mg/L		05/02/25 06:38	05/02/25 20:40	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 20:02	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 20:02	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 20:02	1
Chromium	**0.010**	**J**	0.015	0.0031	mg/L		05/01/25 08:11	05/01/25 20:02	1
Cobalt	**0.0034**	**J**	0.0052	0.0015	mg/L		05/01/25 08:11	05/01/25 20:02	1
Lithium	<0.23	cn	1.0	0.23	mg/L		05/01/25 08:11	05/01/25 20:05	20
Manganese	**0.22**		0.010	0.0031	mg/L		05/01/25 08:11	05/01/25 20:02	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/01/25 08:11	05/01/25 20:02	1
Selenium	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 20:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**4.3**		1.0	0.50	mg/L			04/29/25 08:34	1

Client Sample ID: 20 0.05 KMnO4

Lab Sample ID: 410-218514-12

Date Collected: 04/21/25 11:00

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**450**		75	25	mg/L			05/03/25 22:07	50

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.021**	**J**	0.050	0.016	mg/L		05/02/25 06:38	05/02/25 20:00	1
Beryllium	**0.0016**	**J**	0.0050	0.0010	mg/L		05/02/25 06:38	05/02/25 20:00	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/02/25 06:38	05/02/25 20:00	1
Chromium	**0.054**		0.015	0.0030	mg/L		05/02/25 06:38	05/02/25 20:00	1
Cobalt	**0.019**		0.0050	0.0015	mg/L		05/02/25 06:38	05/02/25 20:00	1
Iron	**75**		0.20	0.080	mg/L		05/02/25 06:38	05/02/25 20:00	1
Lithium	<0.22		1.0	0.22	mg/L		05/02/25 06:38	05/02/25 20:04	20
Magnesium	**57**		0.20	0.080	mg/L		05/02/25 06:38	05/02/25 20:00	1
Manganese	**0.69**		0.010	0.0030	mg/L		05/02/25 06:38	05/02/25 20:00	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		05/02/25 06:38	05/02/25 20:00	1
Potassium	**13**	**J**	20	5.0	mg/L		05/02/25 06:38	05/02/25 20:04	20
Selenium	<0.016		0.050	0.016	mg/L		05/02/25 06:38	05/02/25 20:00	1
Sodium	**3100**	**^2**	20	8.0	mg/L		05/02/25 06:38	05/02/25 20:04	20

Client Sample ID: 20 0.05 KMnO4

Lab Sample ID: 410-218514-12

Date Collected: 04/21/25 11:00

Matrix: Water

Date Received: 04/22/25 18:12

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 19:23	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 19:23	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 19:23	1
Chromium	**0.014**	**J**	0.015	0.0031	mg/L		05/01/25 08:11	05/01/25 19:23	1
Cobalt	**0.0032**	**J**	0.0052	0.0015	mg/L		05/01/25 08:11	05/01/25 19:23	1
Lithium	<0.23	cn	1.0	0.23	mg/L		05/01/25 08:11	05/01/25 19:56	20
Manganese	**0.053**		0.010	0.0031	mg/L		05/01/25 08:11	05/01/25 19:23	1
Molybdenum	<0.041	cn	0.21	0.041	mg/L		05/01/25 08:11	05/01/25 19:56	20
Selenium	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 19:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	**4.3**		1.0	0.50	mg/L			04/29/25 11:49	1

Client Sample ID: 20 0.1 KMnO4

Lab Sample ID: 410-218514-13

Date Collected: 04/21/25 11:20

Matrix: Water

Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**400**		150	50	mg/L			05/03/25 12:26	100

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 12:24	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 12:24	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 12:24	1
Chromium	**0.096**		0.015	0.0030	mg/L		05/04/25 21:00	05/05/25 12:24	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		05/04/25 21:00	05/05/25 12:24	1
Iron	<0.080		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 12:24	1
Lithium	<0.011		0.050	0.011	mg/L		05/04/25 21:00	05/05/25 12:24	1
Magnesium	**67**		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 12:24	1
Manganese	**0.023**		0.010	0.0030	mg/L		05/04/25 21:00	05/05/25 12:24	1
Molybdenum	**0.0041**	**J**	0.010	0.0020	mg/L		05/04/25 21:00	05/05/25 12:24	1
Potassium	**13**		10	2.5	mg/L		05/04/25 21:00	05/05/25 18:51	10
Selenium	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 12:24	1
Sodium	**3400**		10	4.0	mg/L		05/04/25 21:00	05/05/25 18:51	10

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.082		0.26	0.082	mg/L		05/08/25 23:30	05/09/25 10:01	1
Beryllium	<0.0052		0.026	0.0052	mg/L		05/08/25 23:30	05/09/25 10:01	1
Cadmium	<0.0052		0.026	0.0052	mg/L		05/08/25 23:30	05/09/25 10:01	1
Chromium	**0.093**		0.077	0.015	mg/L		05/08/25 23:30	05/09/25 10:01	1
Cobalt	<0.0077		0.026	0.0077	mg/L		05/08/25 23:30	05/09/25 10:01	1
Lithium	<0.057		0.26	0.057	mg/L		05/08/25 23:30	05/09/25 10:01	1
Manganese	**0.024**	**J**	0.052	0.015	mg/L		05/08/25 23:30	05/09/25 10:01	1
Molybdenum	<0.010		0.052	0.010	mg/L		05/08/25 23:30	05/09/25 10:01	1
Selenium	<0.082		0.26	0.082	mg/L		05/08/25 23:30	05/09/25 10:01	1

Client: Terra Systems Inc
Job ID: 410-218514-1
Project/Site: WSP Plant Scherer CCR TS

Client Sample ID: 20 0.1 KMnO4
Lab Sample ID: 410-218514-13
Date Collected: 04/21/25 11:20
Matrix: Water
Date Received: 04/22/25 18:12

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	4.1		1.0	0.50	mg/L			04/29/25 12:13	1

Client Sample ID: 20 1.0 KMnO4
Lab Sample ID: 410-218514-14
Date Collected: 04/21/25 11:40
Matrix: Water
Date Received: 04/22/25 18:12

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	470		38	13	mg/L			05/03/25 16:34	25

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.080	cn	0.25	0.080	mg/L		05/04/25 21:00	05/05/25 12:27	1
Beryllium	<0.0050	cn	0.025	0.0050	mg/L		05/04/25 21:00	05/05/25 12:27	1
Cadmium	<0.0050	cn	0.025	0.0050	mg/L		05/04/25 21:00	05/05/25 12:27	1
Chromium	0.49	cn	0.075	0.015	mg/L		05/04/25 21:00	05/05/25 12:27	1
Cobalt	<0.0075	cn	0.025	0.0075	mg/L		05/04/25 21:00	05/05/25 12:27	1
Iron	<0.40	cn	1.0	0.40	mg/L		05/04/25 21:00	05/05/25 12:27	1
Lithium	<0.055	cn	0.25	0.055	mg/L		05/04/25 21:00	05/05/25 12:27	1
Magnesium	55	cn	1.0	0.40	mg/L		05/04/25 21:00	05/05/25 12:27	1
Manganese	89	cn	0.050	0.015	mg/L		05/04/25 21:00	05/05/25 12:27	1
Molybdenum	<0.010	cn	0.050	0.010	mg/L		05/04/25 21:00	05/05/25 12:27	1
Potassium	51	cn	25	6.3	mg/L		05/04/25 21:00	05/05/25 18:54	5
Selenium	0.13	J cn	0.25	0.080	mg/L		05/04/25 21:00	05/05/25 12:27	1
Sodium	2700	cn	25	10	mg/L		05/04/25 21:00	05/05/25 18:54	5

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.16		0.52	0.16	mg/L		05/08/25 23:30	05/09/25 10:23	1
Beryllium	<0.010		0.052	0.010	mg/L		05/08/25 23:30	05/09/25 10:23	1
Cadmium	<0.010		0.052	0.010	mg/L		05/08/25 23:30	05/09/25 10:23	1
Chromium	0.50		0.15	0.031	mg/L		05/08/25 23:30	05/09/25 10:23	1
Cobalt	<0.015		0.052	0.015	mg/L		05/08/25 23:30	05/09/25 10:23	1
Lithium	<0.11		0.52	0.11	mg/L		05/08/25 23:30	05/09/25 10:23	1
Manganese	78		0.10	0.031	mg/L		05/08/25 23:30	05/09/25 10:23	1
Molybdenum	<0.021		0.10	0.021	mg/L		05/08/25 23:30	05/09/25 10:23	1
Selenium	<0.16		0.52	0.16	mg/L		05/08/25 23:30	05/09/25 10:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C-2014)	6.3		1.0	0.50	mg/L			04/29/25 12:37	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-639383/5
Matrix: Water
Analysis Batch: 639383

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/03/25 07:44	1

Lab Sample ID: LCS 410-639383/3
Matrix: Water
Analysis Batch: 639383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.56		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-639383/4
Matrix: Water
Analysis Batch: 639383

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
Sulfate	7.50	7.56		mg/L		101	90 - 110	0	20

Lab Sample ID: MB 410-639388/5
Matrix: Water
Analysis Batch: 639388

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/03/25 10:52	1

Lab Sample ID: LCS 410-639388/3
Matrix: Water
Analysis Batch: 639388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	6.92		mg/L		92	90 - 110

Lab Sample ID: LCSD 410-639388/4
Matrix: Water
Analysis Batch: 639388

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
Sulfate	7.50	6.88		mg/L		92	90 - 110	1	20

Lab Sample ID: MB 410-639399/5
Matrix: Water
Analysis Batch: 639399

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.50		1.5	0.50	mg/L			05/03/25 20:33	1

Lab Sample ID: LCS 410-639399/3
Matrix: Water
Analysis Batch: 639399

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.55		mg/L		101	90 - 110

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: LCSD 410-639399/4
Matrix: Water
Analysis Batch: 639399

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
Sulfate			7.50	7.51		mg/L		100	90 - 110	1	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 410-637343/1-A
Matrix: Water
Analysis Batch: 638552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637343

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 18:52	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 18:52	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/01/25 08:11	05/01/25 18:52	1
Chromium	<0.0031		0.015	0.0031	mg/L		05/01/25 08:11	05/01/25 18:52	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		05/01/25 08:11	05/01/25 18:52	1
Lithium	<0.011		0.052	0.011	mg/L		05/01/25 08:11	05/01/25 18:52	1
Manganese	<0.0031		0.010	0.0031	mg/L		05/01/25 08:11	05/01/25 18:52	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/01/25 08:11	05/01/25 18:52	1
Selenium	<0.016		0.052	0.016	mg/L		05/01/25 08:11	05/01/25 18:52	1

Lab Sample ID: LCS 410-637343/2-A
Matrix: Water
Analysis Batch: 638552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637343

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.500	0.522		mg/L		104	90 - 115
Beryllium			0.0500	0.0540		mg/L		108	90 - 110
Cadmium			0.0500	0.0533		mg/L		107	90 - 113
Chromium			0.500	0.544		mg/L		109	90 - 112
Cobalt			0.500	0.534		mg/L		107	90 - 113
Lithium			0.500	0.519		mg/L		104	88 - 113
Manganese			0.500	0.530		mg/L		106	90 - 111
Molybdenum			0.0500	0.0522		mg/L		104	85 - 113
Selenium			0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: MB 410-637350/1-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		04/30/25 09:30	04/30/25 18:24	1
Chromium	<0.0031		0.015	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		04/30/25 09:30	04/30/25 18:24	1
Lithium	<0.011		0.052	0.011	mg/L		04/30/25 09:30	04/30/25 18:24	1
Manganese	<0.0031		0.010	0.0031	mg/L		04/30/25 09:30	04/30/25 18:24	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		04/30/25 09:30	04/30/25 18:24	1
Selenium	<0.016		0.052	0.016	mg/L		04/30/25 09:30	04/30/25 18:24	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-637350/2-A
Matrix: Water
Analysis Batch: 637957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.512		mg/L		102	90 - 115
Beryllium	0.0500	0.0533		mg/L		107	90 - 110
Cadmium	0.0500	0.0518		mg/L		104	90 - 113
Chromium	0.500	0.526		mg/L		105	90 - 112
Cobalt	0.500	0.511		mg/L		102	90 - 113
Lithium	0.500	0.505		mg/L		101	88 - 113
Manganese	0.500	0.527		mg/L		105	90 - 111
Molybdenum	0.0500	0.0430		mg/L		86	85 - 113
Selenium	0.100	0.100		mg/L		100	80 - 120

Lab Sample ID: MB 410-641676/1-A
Matrix: Water
Analysis Batch: 641911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 641676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.052	0.016	mg/L		05/08/25 23:30	05/09/25 09:05	1
Beryllium	<0.0010		0.0052	0.0010	mg/L		05/08/25 23:30	05/09/25 09:05	1
Cadmium	<0.0010		0.0052	0.0010	mg/L		05/08/25 23:30	05/09/25 09:05	1
Chromium	<0.0031		0.015	0.0031	mg/L		05/08/25 23:30	05/09/25 09:05	1
Cobalt	<0.0015		0.0052	0.0015	mg/L		05/08/25 23:30	05/09/25 09:05	1
Lithium	<0.011		0.052	0.011	mg/L		05/08/25 23:30	05/09/25 09:05	1
Manganese	<0.0031		0.010	0.0031	mg/L		05/08/25 23:30	05/09/25 09:05	1
Molybdenum	<0.0021		0.010	0.0021	mg/L		05/08/25 23:30	05/09/25 09:05	1
Selenium	<0.016		0.052	0.016	mg/L		05/08/25 23:30	05/09/25 09:05	1

Lab Sample ID: LCS 410-641676/2-A
Matrix: Water
Analysis Batch: 641911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 641676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.517		mg/L		103	90 - 115
Beryllium	0.0500	0.0502		mg/L		100	90 - 110
Cadmium	0.0500	0.0512		mg/L		102	90 - 113
Chromium	0.500	0.509		mg/L		102	90 - 112
Cobalt	0.500	0.508		mg/L		102	90 - 113
Lithium	0.500	0.493		mg/L		99	88 - 113
Manganese	0.500	0.503		mg/L		101	90 - 111
Molybdenum	0.0500	0.0507		mg/L		101	85 - 113
Selenium	0.100	0.0960		mg/L		96	80 - 120

Lab Sample ID: MB 410-636078/1-A
Matrix: Water
Analysis Batch: 638553

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		05/01/25 06:46	05/01/25 15:37	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		05/01/25 06:46	05/01/25 15:37	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/01/25 06:46	05/01/25 15:37	1
Chromium	<0.0030		0.015	0.0030	mg/L		05/01/25 06:46	05/01/25 15:37	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 410-636078/1-A
Matrix: Water
Analysis Batch: 638553

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	<0.0015		0.0050	0.0015	mg/L		05/01/25 06:46	05/01/25 15:37	1
Iron	<0.080		0.20	0.080	mg/L		05/01/25 06:46	05/01/25 15:37	1
Lithium	<0.011		0.050	0.011	mg/L		05/01/25 06:46	05/01/25 15:37	1
Magnesium	<0.080		0.20	0.080	mg/L		05/01/25 06:46	05/01/25 15:37	1
Manganese	<0.0030		0.010	0.0030	mg/L		05/01/25 06:46	05/01/25 15:37	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		05/01/25 06:46	05/01/25 15:37	1
Potassium	<0.25		1.0	0.25	mg/L		05/01/25 06:46	05/01/25 15:37	1
Selenium	<0.016		0.050	0.016	mg/L		05/01/25 06:46	05/01/25 15:37	1
Sodium	<0.40		1.0	0.40	mg/L		05/01/25 06:46	05/01/25 15:37	1

Lab Sample ID: LCS 410-636078/2-A
Matrix: Water
Analysis Batch: 638553

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.484		mg/L		97	90 - 115
Beryllium	0.0500	0.0517		mg/L		103	90 - 110
Cadmium	0.0500	0.0495		mg/L		99	90 - 113
Chromium	0.500	0.493		mg/L		99	90 - 112
Cobalt	0.500	0.493		mg/L		99	90 - 113
Iron	5.00	4.82		mg/L		96	87 - 114
Lithium	0.500	0.475		mg/L		95	88 - 113
Magnesium	5.00	4.60		mg/L		92	90 - 111
Manganese	0.500	0.494		mg/L		99	90 - 111
Molybdenum	0.0500	0.0492		mg/L		98	85 - 113
Potassium	5.00	4.73		mg/L		95	88 - 118
Selenium	0.100	0.105		mg/L		105	80 - 120
Sodium	5.00	4.75		mg/L		95	88 - 118

Lab Sample ID: MB 410-636744/1-A
Matrix: Water
Analysis Batch: 639595

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636744

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 11:46	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 11:46	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/04/25 21:00	05/05/25 11:46	1
Chromium	<0.0030		0.015	0.0030	mg/L		05/04/25 21:00	05/05/25 11:46	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		05/04/25 21:00	05/05/25 11:46	1
Iron	<0.080		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 11:46	1
Lithium	<0.011		0.050	0.011	mg/L		05/04/25 21:00	05/05/25 11:46	1
Magnesium	<0.080		0.20	0.080	mg/L		05/04/25 21:00	05/05/25 11:46	1
Manganese	<0.0030		0.010	0.0030	mg/L		05/04/25 21:00	05/05/25 11:46	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		05/04/25 21:00	05/05/25 11:46	1
Potassium	<0.25		1.0	0.25	mg/L		05/04/25 21:00	05/05/25 11:46	1
Selenium	<0.016		0.050	0.016	mg/L		05/04/25 21:00	05/05/25 11:46	1
Sodium	<0.40		1.0	0.40	mg/L		05/04/25 21:00	05/05/25 11:46	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-636744/2-A
Matrix: Water
Analysis Batch: 639595

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636744

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.498		mg/L		100	90 - 115
Beryllium	0.0500	0.0521		mg/L		104	90 - 110
Cadmium	0.0500	0.0504		mg/L		101	90 - 113
Chromium	0.500	0.510		mg/L		102	90 - 112
Cobalt	0.500	0.514		mg/L		103	90 - 113
Iron	5.00	5.08		mg/L		102	87 - 114
Lithium	0.500	0.514		mg/L		103	88 - 113
Magnesium	5.00	5.05		mg/L		101	90 - 111
Manganese	0.500	0.499		mg/L		100	90 - 111
Molybdenum	0.0500	0.0491		mg/L		98	85 - 113
Potassium	5.00	5.10		mg/L		102	88 - 118
Selenium	0.100	0.114		mg/L		114	80 - 120

Lab Sample ID: MB 410-637036/1-A
Matrix: Water
Analysis Batch: 638234

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 637036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		04/30/25 21:00	05/01/25 06:58	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		04/30/25 21:00	05/01/25 06:58	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		04/30/25 21:00	05/01/25 06:58	1
Chromium	<0.0030		0.015	0.0030	mg/L		04/30/25 21:00	05/01/25 06:58	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		04/30/25 21:00	05/01/25 06:58	1
Iron	<0.080		0.20	0.080	mg/L		04/30/25 21:00	05/01/25 06:58	1
Lithium	<0.011		0.050	0.011	mg/L		04/30/25 21:00	05/01/25 06:58	1
Magnesium	<0.080		0.20	0.080	mg/L		04/30/25 21:00	05/01/25 06:58	1
Manganese	<0.0030		0.010	0.0030	mg/L		04/30/25 21:00	05/01/25 06:58	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		04/30/25 21:00	05/01/25 06:58	1
Potassium	<0.25		1.0	0.25	mg/L		04/30/25 21:00	05/01/25 06:58	1
Selenium	<0.016		0.050	0.016	mg/L		04/30/25 21:00	05/01/25 06:58	1
Sodium	<0.40		1.0	0.40	mg/L		04/30/25 21:00	05/01/25 06:58	1

Lab Sample ID: LCS 410-637036/2-A
Matrix: Water
Analysis Batch: 638234

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.526		mg/L		105	90 - 115
Beryllium	0.0500	0.0534		mg/L		107	90 - 110
Cadmium	0.0500	0.0528		mg/L		106	90 - 113
Chromium	0.500	0.522		mg/L		104	90 - 112
Cobalt	0.500	0.522		mg/L		104	90 - 113
Iron	5.00	5.27		mg/L		105	87 - 114
Lithium	0.500	0.518		mg/L		104	88 - 113
Magnesium	5.00	5.20		mg/L		104	90 - 111
Manganese	0.500	0.525		mg/L		105	90 - 111
Molybdenum	0.0500	0.0517		mg/L		103	85 - 113
Potassium	5.00	5.24		mg/L		105	88 - 118
Selenium	0.100	0.103		mg/L		103	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-637036/2-A
Matrix: Water
Analysis Batch: 638234

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	5.00	5.12		mg/L		102	88 - 118

Lab Sample ID: MB 410-637301/1-A
Matrix: Water
Analysis Batch: 639068

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 637301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.016		0.050	0.016	mg/L		05/02/25 06:38	05/02/25 19:13	1
Beryllium	<0.0010		0.0050	0.0010	mg/L		05/02/25 06:38	05/02/25 19:13	1
Cadmium	<0.0010		0.0050	0.0010	mg/L		05/02/25 06:38	05/02/25 19:13	1
Chromium	<0.0030		0.015	0.0030	mg/L		05/02/25 06:38	05/02/25 19:13	1
Cobalt	<0.0015		0.0050	0.0015	mg/L		05/02/25 06:38	05/02/25 19:13	1
Iron	<0.080		0.20	0.080	mg/L		05/02/25 06:38	05/02/25 19:13	1
Lithium	<0.011		0.050	0.011	mg/L		05/02/25 06:38	05/02/25 19:13	1
Magnesium	<0.080		0.20	0.080	mg/L		05/02/25 06:38	05/02/25 19:13	1
Manganese	<0.0030		0.010	0.0030	mg/L		05/02/25 06:38	05/02/25 19:13	1
Molybdenum	<0.0020		0.010	0.0020	mg/L		05/02/25 06:38	05/02/25 19:13	1
Potassium	<0.25		1.0	0.25	mg/L		05/02/25 06:38	05/02/25 19:13	1
Selenium	<0.016		0.050	0.016	mg/L		05/02/25 06:38	05/02/25 19:13	1
Sodium	<0.40		1.0	0.40	mg/L		05/02/25 06:38	05/02/25 19:13	1

Lab Sample ID: LCS 410-637301/2-A
Matrix: Water
Analysis Batch: 639068

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.483		mg/L		97	90 - 115
Beryllium	0.0500	0.0541		mg/L		108	90 - 110
Cadmium	0.0500	0.0490		mg/L		98	90 - 113
Chromium	0.500	0.521		mg/L		104	90 - 112
Cobalt	0.500	0.482		mg/L		96	90 - 113
Iron	5.00	4.90		mg/L		98	87 - 114
Lithium	0.500	0.466		mg/L		93	88 - 113
Magnesium	5.00	4.65		mg/L		93	90 - 111
Manganese	0.500	0.520		mg/L		104	90 - 111
Molybdenum	0.0500	0.0481		mg/L		96	85 - 113
Potassium	5.00	4.72		mg/L		94	88 - 118
Selenium	0.100	0.0959		mg/L		96	80 - 120

Lab Sample ID: LCS 410-637301/2-A
Matrix: Water
Analysis Batch: 639081

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sodium	5.00	5.03		mg/L		101	88 - 118

Client: Terra Systems Inc
Job ID: 410-218514-1
Project/Site: WSP Plant Scherer CCR TS

Method: 5310C-2014 - Dissolved Organic Carbon/Persulfate Oxidation

Lab Sample ID: MB 410-637271/37
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.50		1.0	0.50	mg/L			04/29/25 09:22	1

Lab Sample ID: MB 410-637271/7
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Method Blank
Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.50		1.0	0.50	mg/L			04/28/25 21:11	1

Lab Sample ID: LCS 410-637271/36
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	50.0	48.7		mg/L		97	90 - 110

Lab Sample ID: LCS 410-637271/6
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	50.0	49.3		mg/L		99	90 - 110

Lab Sample ID: MRL 410-637271/3
Matrix: Water
Analysis Batch: 637271

Client Sample ID: Lab Control Sample
Prep Type: Dissolved

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.00	0.643	J	mg/L		64	50 - 150

HPLC/IC

Analysis Batch: 639383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-11	20 1.0 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
MB 410-639383/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-639383/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-639383/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 639388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-13	20 0.1 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
410-218514-14	20 1.0 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
MB 410-639388/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-639388/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-639388/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 639399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-1	20 Control	Total/NA	Water	EPA 300.0 R2.1	
410-218514-2	20 20 SB	Total/NA	Water	EPA 300.0 R2.1	
410-218514-3	20 0.05 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218514-4	20 0.1 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218514-5	20 1.0 MnOOH	Total/NA	Water	EPA 300.0 R2.1	
410-218514-6	20 0.05 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218514-7	20 0.1 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218514-8	20 1.0 Mn2O3	Total/NA	Water	EPA 300.0 R2.1	
410-218514-9	20 0.05 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218514-10	20 0.1 Mn(OH)2	Total/NA	Water	EPA 300.0 R2.1	
410-218514-12	20 0.05 KMnO4	Total/NA	Water	EPA 300.0 R2.1	
MB 410-639399/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-639399/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-639399/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 636078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-1	20 Control	Total Recoverable	Water	3005A	
MB 410-636078/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-636078/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 636744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-9	20 0.05 Mn(OH)2	Total Recoverable	Water	3005A	
410-218514-10	20 0.1 Mn(OH)2	Total Recoverable	Water	3005A	
410-218514-13	20 0.1 KMnO4	Total Recoverable	Water	3005A	
410-218514-14	20 1.0 KMnO4	Total Recoverable	Water	3005A	
MB 410-636744/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-636744/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 637036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-2	20 20 SB	Total Recoverable	Water	3005A	
410-218514-3	20 0.05 MnOOH	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 637036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-4	20 0.1 MnOOH	Total Recoverable	Water	3005A	
410-218514-5	20 1.0 MnOOH	Total Recoverable	Water	3005A	
410-218514-6	20 0.05 Mn2O3	Total Recoverable	Water	3005A	
410-218514-7	20 0.1 Mn2O3	Total Recoverable	Water	3005A	
410-218514-8	20 1.0 Mn2O3	Total Recoverable	Water	3005A	
MB 410-637036/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-637036/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 637301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-11	20 1.0 Mn(OH)2	Total Recoverable	Water	3005A	
410-218514-12	20 0.05 KMnO4	Total Recoverable	Water	3005A	
MB 410-637301/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-637301/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 637343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-2	20 20 SB	Dissolved	Water	Non-Digest Prep	
410-218514-3	20 0.05 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218514-7	20 0.1 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218514-11	20 1.0 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218514-12	20 0.05 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-637343/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-637343/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 637350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-1	20 Control	Dissolved	Water	Non-Digest Prep	
410-218514-4	20 0.1 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218514-5	20 1.0 MnOOH	Dissolved	Water	Non-Digest Prep	
410-218514-6	20 0.05 Mn2O3	Dissolved	Water	Non-Digest Prep	
410-218514-8	20 1.0 Mn2O3	Dissolved	Water	Non-Digest Prep	
MB 410-637350/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 637957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-1	20 Control	Dissolved	Water	6010D	637350
410-218514-4	20 0.1 MnOOH	Dissolved	Water	6010D	637350
410-218514-4	20 0.1 MnOOH	Dissolved	Water	6010D	637350
410-218514-5	20 1.0 MnOOH	Dissolved	Water	6010D	637350
410-218514-5	20 1.0 MnOOH	Dissolved	Water	6010D	637350
410-218514-6	20 0.05 Mn2O3	Dissolved	Water	6010D	637350
410-218514-6	20 0.05 Mn2O3	Dissolved	Water	6010D	637350
410-218514-8	20 1.0 Mn2O3	Dissolved	Water	6010D	637350
410-218514-8	20 1.0 Mn2O3	Dissolved	Water	6010D	637350
MB 410-637350/1-A	Method Blank	Total/NA	Water	6010D	637350
LCS 410-637350/2-A	Lab Control Sample	Total/NA	Water	6010D	637350

Metals

Analysis Batch: 638234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-2	20 20 SB	Total Recoverable	Water	6010D	637036
410-218514-3	20 0.05 MnOOH	Total Recoverable	Water	6010D	637036
410-218514-3	20 0.05 MnOOH	Total Recoverable	Water	6010D	637036
410-218514-4	20 0.1 MnOOH	Total Recoverable	Water	6010D	637036
410-218514-5	20 1.0 MnOOH	Total Recoverable	Water	6010D	637036
410-218514-5	20 1.0 MnOOH	Total Recoverable	Water	6010D	637036
410-218514-6	20 0.05 Mn2O3	Total Recoverable	Water	6010D	637036
410-218514-6	20 0.05 Mn2O3	Total Recoverable	Water	6010D	637036
410-218514-7	20 0.1 Mn2O3	Total Recoverable	Water	6010D	637036
410-218514-7	20 0.1 Mn2O3	Total Recoverable	Water	6010D	637036
410-218514-8	20 1.0 Mn2O3	Total Recoverable	Water	6010D	637036
410-218514-8	20 1.0 Mn2O3	Total Recoverable	Water	6010D	637036
MB 410-637036/1-A	Method Blank	Total Recoverable	Water	6010D	637036
LCS 410-637036/2-A	Lab Control Sample	Total Recoverable	Water	6010D	637036

Analysis Batch: 638242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-4	20 0.1 MnOOH	Dissolved	Water	6010D	637350
410-218514-5	20 1.0 MnOOH	Dissolved	Water	6010D	637350
410-218514-6	20 0.05 Mn2O3	Dissolved	Water	6010D	637350
410-218514-8	20 1.0 Mn2O3	Dissolved	Water	6010D	637350

Analysis Batch: 638552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-2	20 20 SB	Dissolved	Water	6010D	637343
410-218514-2	20 20 SB	Dissolved	Water	6010D	637343
410-218514-3	20 0.05 MnOOH	Dissolved	Water	6010D	637343
410-218514-3	20 0.05 MnOOH	Dissolved	Water	6010D	637343
410-218514-7	20 0.1 Mn2O3	Dissolved	Water	6010D	637343
410-218514-7	20 0.1 Mn2O3	Dissolved	Water	6010D	637343
410-218514-11	20 1.0 Mn(OH)2	Dissolved	Water	6010D	637343
410-218514-11	20 1.0 Mn(OH)2	Dissolved	Water	6010D	637343
410-218514-12	20 0.05 KMnO4	Dissolved	Water	6010D	637343
410-218514-12	20 0.05 KMnO4	Dissolved	Water	6010D	637343
MB 410-637343/1-A	Method Blank	Total/NA	Water	6010D	637343
LCS 410-637343/2-A	Lab Control Sample	Total/NA	Water	6010D	637343

Analysis Batch: 638553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-1	20 Control	Total Recoverable	Water	6010D	636078
MB 410-636078/1-A	Method Blank	Total Recoverable	Water	6010D	636078
LCS 410-636078/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636078

Analysis Batch: 639068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-11	20 1.0 Mn(OH)2	Total Recoverable	Water	6010D	637301
410-218514-11	20 1.0 Mn(OH)2	Total Recoverable	Water	6010D	637301
410-218514-12	20 0.05 KMnO4	Total Recoverable	Water	6010D	637301
410-218514-12	20 0.05 KMnO4	Total Recoverable	Water	6010D	637301
MB 410-637301/1-A	Method Blank	Total Recoverable	Water	6010D	637301
LCS 410-637301/2-A	Lab Control Sample	Total Recoverable	Water	6010D	637301

Metals

Analysis Batch: 639081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-637301/2-A	Lab Control Sample	Total Recoverable	Water	6010D	637301

Analysis Batch: 639595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-9	20 0.05 Mn(OH)2	Total Recoverable	Water	6010D	636744
410-218514-10	20 0.1 Mn(OH)2	Total Recoverable	Water	6010D	636744
410-218514-13	20 0.1 KMnO4	Total Recoverable	Water	6010D	636744
410-218514-14	20 1.0 KMnO4	Total Recoverable	Water	6010D	636744
MB 410-636744/1-A	Method Blank	Total Recoverable	Water	6010D	636744
LCS 410-636744/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636744

Analysis Batch: 639816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-9	20 0.05 Mn(OH)2	Total Recoverable	Water	6010D	636744
410-218514-10	20 0.1 Mn(OH)2	Total Recoverable	Water	6010D	636744
410-218514-13	20 0.1 KMnO4	Total Recoverable	Water	6010D	636744
410-218514-14	20 1.0 KMnO4	Total Recoverable	Water	6010D	636744

Prep Batch: 641676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-9	20 0.05 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218514-10	20 0.1 Mn(OH)2	Dissolved	Water	Non-Digest Prep	
410-218514-13	20 0.1 KMnO4	Dissolved	Water	Non-Digest Prep	
410-218514-14	20 1.0 KMnO4	Dissolved	Water	Non-Digest Prep	
MB 410-641676/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-641676/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 641911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-9	20 0.05 Mn(OH)2	Dissolved	Water	6010D	641676
410-218514-10	20 0.1 Mn(OH)2	Dissolved	Water	6010D	641676
410-218514-13	20 0.1 KMnO4	Dissolved	Water	6010D	641676
410-218514-14	20 1.0 KMnO4	Dissolved	Water	6010D	641676
MB 410-641676/1-A	Method Blank	Total/NA	Water	6010D	641676
LCS 410-641676/2-A	Lab Control Sample	Total/NA	Water	6010D	641676

General Chemistry

Filtration Batch: 635203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-1	20 Control	Dissolved	Water	Filtration	
410-218514-2	20 20 SB	Dissolved	Water	Filtration	
410-218514-3	20 0.05 MnOOH	Dissolved	Water	Filtration	
410-218514-4	20 0.1 MnOOH	Dissolved	Water	Filtration	
410-218514-5	20 1.0 MnOOH	Dissolved	Water	Filtration	
410-218514-6	20 0.05 Mn2O3	Dissolved	Water	Filtration	
410-218514-7	20 0.1 Mn2O3	Dissolved	Water	Filtration	
410-218514-8	20 1.0 Mn2O3	Dissolved	Water	Filtration	
410-218514-9	20 0.05 Mn(OH)2	Dissolved	Water	Filtration	
410-218514-10	20 0.1 Mn(OH)2	Dissolved	Water	Filtration	
410-218514-11	20 1.0 Mn(OH)2	Dissolved	Water	Filtration	

General Chemistry (Continued)

Filtration Batch: 635203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-12	20 0.05 KMnO4	Dissolved	Water	Filtration	
410-218514-13	20 0.1 KMnO4	Dissolved	Water	Filtration	
410-218514-14	20 1.0 KMnO4	Dissolved	Water	Filtration	

Analysis Batch: 637271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-218514-1	20 Control	Dissolved	Water	5310C-2014	635203
410-218514-2	20 20 SB	Dissolved	Water	5310C-2014	635203
410-218514-3	20 0.05 MnOOH	Dissolved	Water	5310C-2014	635203
410-218514-4	20 0.1 MnOOH	Dissolved	Water	5310C-2014	635203
410-218514-5	20 1.0 MnOOH	Dissolved	Water	5310C-2014	635203
410-218514-6	20 0.05 Mn2O3	Dissolved	Water	5310C-2014	635203
410-218514-7	20 0.1 Mn2O3	Dissolved	Water	5310C-2014	635203
410-218514-8	20 1.0 Mn2O3	Dissolved	Water	5310C-2014	635203
410-218514-9	20 0.05 Mn(OH)2	Dissolved	Water	5310C-2014	635203
410-218514-10	20 0.1 Mn(OH)2	Dissolved	Water	5310C-2014	635203
410-218514-11	20 1.0 Mn(OH)2	Dissolved	Water	5310C-2014	635203
410-218514-12	20 0.05 KMnO4	Dissolved	Water	5310C-2014	635203
410-218514-13	20 0.1 KMnO4	Dissolved	Water	5310C-2014	635203
410-218514-14	20 1.0 KMnO4	Dissolved	Water	5310C-2014	635203
MB 410-637271/37	Method Blank	Dissolved	Water	5310C-2014	
MB 410-637271/7	Method Blank	Dissolved	Water	5310C-2014	
LCS 410-637271/36	Lab Control Sample	Dissolved	Water	5310C-2014	
LCS 410-637271/6	Lab Control Sample	Dissolved	Water	5310C-2014	
MRL 410-637271/3	Lab Control Sample	Dissolved	Water	5310C-2014	

Client Sample ID: 20 Control
Lab Sample ID: 410-218514-1

Date Collected: 04/21/25 12:40
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		10	639399	L4QM	ELLE	05/03/25 21:58
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 20:17
Total Recoverable	Prep	3005A			636078	UJL8	ELLE	05/01/25 06:46
Total Recoverable	Analysis	6010D		1	638553	T8CQ	ELLE	05/01/25 18:53
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 02:33

Client Sample ID: 20 20 SB
Lab Sample ID: 410-218514-2

Date Collected: 04/21/25 13:00
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/04/25 02:40
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		1	638552	T8CQ	ELLE	05/01/25 19:26
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		20	638552	T8CQ	ELLE	05/01/25 19:59
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		1	638234	MT26	ELLE	05/01/25 07:47
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 02:57

Client Sample ID: 20 0.05 MnOOH
Lab Sample ID: 410-218514-3

Date Collected: 04/21/25 13:20
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/03/25 22:58
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		1	638552	T8CQ	ELLE	05/01/25 19:20
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		20	638552	T8CQ	ELLE	05/01/25 19:53
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		1	638234	MT26	ELLE	05/01/25 07:41
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		5	638234	MT26	ELLE	05/01/25 08:11
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 04:35

Client Sample ID: 20 0.1 MnOOH
Lab Sample ID: 410-218514-4

Date Collected: 04/21/25 08:20
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	639399	L4QM	ELLE	05/04/25 02:57
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	638242	MT26	ELLE	05/01/25 10:58
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 23:24
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 23:28
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		1	638234	MT26	ELLE	05/01/25 07:50
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 04:59

Client Sample ID: 20 1.0 MnOOH
Lab Sample ID: 410-218514-5

Date Collected: 04/21/25 08:40
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/03/25 23:32
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	638242	MT26	ELLE	05/01/25 10:52
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 23:12
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 23:15
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		1	638234	MT26	ELLE	05/01/25 07:44
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		2	638234	MT26	ELLE	05/01/25 08:14
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 05:22

Client Sample ID: 20 0.05 Mn2O3
Lab Sample ID: 410-218514-6

Date Collected: 04/21/25 09:00
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/03/25 23:50
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	638242	MT26	ELLE	05/01/25 10:55
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 23:18
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 23:21
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		1	638234	MT26	ELLE	05/01/25 07:19

Client Sample ID: 20 0.05 Mn2O3
Lab Sample ID: 410-218514-6

Date Collected: 04/21/25 09:00
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		5	638234	MT26	ELLE	05/01/25 07:53
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 06:35

Client Sample ID: 20 0.1 Mn2O3
Lab Sample ID: 410-218514-7

Date Collected: 04/21/25 09:20
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/04/25 00:24
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		1	638552	T8CQ	ELLE	05/01/25 20:08
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		20	638552	T8CQ	ELLE	05/01/25 20:11
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		1	638234	MT26	ELLE	05/01/25 07:22
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		5	638234	MT26	ELLE	05/01/25 07:56
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 06:59

Client Sample ID: 20 1.0 Mn2O3
Lab Sample ID: 410-218514-8

Date Collected: 04/21/25 09:40
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/04/25 00:41
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	638242	MT26	ELLE	05/01/25 10:48
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		1	637957	T8CQ	ELLE	04/30/25 22:50
Dissolved	Prep	Non-Digest Prep			637350	UJL8	ELLE	04/30/25 09:30
Dissolved	Analysis	6010D		20	637957	T8CQ	ELLE	04/30/25 22:53
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		1	638234	MT26	ELLE	05/01/25 07:35
Total Recoverable	Prep	3005A			637036	UAMX	ELLE	04/30/25 21:00
Total Recoverable	Analysis	6010D		5	638234	MT26	ELLE	05/01/25 07:59
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 07:22

Client Sample ID: 20 0.05 Mn(OH)2

Lab Sample ID: 410-218514-9

Date Collected: 04/21/25 10:00

Matrix: Water

Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/03/25 22:41
Dissolved	Prep	Non-Digest Prep			641676	UAMX	ELLE	05/08/25 23:30
Dissolved	Analysis	6010D		1	641911	MT26	ELLE	05/09/25 10:17
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		1	639595	MT26	ELLE	05/05/25 12:11
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		10	639816	T8CQ	ELLE	05/05/25 18:48
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 07:46

Client Sample ID: 20 0.1 Mn(OH)2

Lab Sample ID: 410-218514-10

Date Collected: 04/21/25 10:20

Matrix: Water

Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/03/25 23:15
Dissolved	Prep	Non-Digest Prep			641676	UAMX	ELLE	05/08/25 23:30
Dissolved	Analysis	6010D		1	641911	MT26	ELLE	05/09/25 09:55
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		1	639595	MT26	ELLE	05/05/25 12:08
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		10	639816	T8CQ	ELLE	05/05/25 18:45
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 08:10

Client Sample ID: 20 1.0 Mn(OH)2

Lab Sample ID: 410-218514-11

Date Collected: 04/21/25 10:40

Matrix: Water

Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	639383	L4QM	ELLE	05/03/25 11:34
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		1	638552	T8CQ	ELLE	05/01/25 20:02
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		20	638552	T8CQ	ELLE	05/01/25 20:05
Total Recoverable	Prep	3005A			637301	UJL8	ELLE	05/02/25 06:38
Total Recoverable	Analysis	6010D		1	639068	T8CQ	ELLE	05/02/25 20:40
Total Recoverable	Prep	3005A			637301	UJL8	ELLE	05/02/25 06:38
Total Recoverable	Analysis	6010D		20	639068	T8CQ	ELLE	05/02/25 20:44
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 08:34

Client Sample ID: 20 0.05 KMnO4
Lab Sample ID: 410-218514-12

Date Collected: 04/21/25 11:00
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		50	639399	L4QM	ELLE	05/03/25 22:07
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		1	638552	T8CQ	ELLE	05/01/25 19:23
Dissolved	Prep	Non-Digest Prep			637343	UJL8	ELLE	05/01/25 08:11
Dissolved	Analysis	6010D		20	638552	T8CQ	ELLE	05/01/25 19:56
Total Recoverable	Prep	3005A			637301	UJL8	ELLE	05/02/25 06:38
Total Recoverable	Analysis	6010D		1	639068	T8CQ	ELLE	05/02/25 20:00
Total Recoverable	Prep	3005A			637301	UJL8	ELLE	05/02/25 06:38
Total Recoverable	Analysis	6010D		20	639068	T8CQ	ELLE	05/02/25 20:04
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 11:49

Client Sample ID: 20 0.1 KMnO4
Lab Sample ID: 410-218514-13

Date Collected: 04/21/25 11:20
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		100	639388	PYC6	ELLE	05/03/25 12:26
Dissolved	Prep	Non-Digest Prep			641676	UAMX	ELLE	05/08/25 23:30
Dissolved	Analysis	6010D		1	641911	MT26	ELLE	05/09/25 10:01
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		1	639595	MT26	ELLE	05/05/25 12:24
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		10	639816	T8CQ	ELLE	05/05/25 18:51
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 12:13

Client Sample ID: 20 1.0 KMnO4
Lab Sample ID: 410-218514-14

Date Collected: 04/21/25 11:40
Matrix: Water
Date Received: 04/22/25 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		25	639388	PYC6	ELLE	05/03/25 16:34
Dissolved	Prep	Non-Digest Prep			641676	UAMX	ELLE	05/08/25 23:30
Dissolved	Analysis	6010D		1	641911	MT26	ELLE	05/09/25 10:23
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		1	639595	MT26	ELLE	05/05/25 12:27
Total Recoverable	Prep	3005A			636744	UAMX	ELLE	05/04/25 21:00
Total Recoverable	Analysis	6010D		5	639816	T8CQ	ELLE	05/05/25 18:54
Dissolved	Filtration	Filtration			635203	P684	ELLE	04/23/25 08:03
Dissolved	Analysis	5310C-2014		1	637271	P684	ELLE	04/29/25 12:37

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Terra Systems Inc
Job ID: 410-218514-1
Project/Site: WSP Plant Scherer CCR TS

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
5310C-2014		Water	Dissolved Organic Carbon
6010D	3005A	Water	Lithium
6010D	Non-Digest Prep	Water	Lithium

Method Summary

Client: Terra Systems Inc
Job ID: 410-218514-1
Project/Site: WSP Plant Scherer CCR TS

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6010D	Metals (ICP)	SW846	ELLE
5310C-2014	Dissolved Organic Carbon/Persulfate Oxidation	SM	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
Filtration	Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

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:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Terra Systems Inc
Job ID: 410-218514-1
Project/Site: WSP Plant Scherer CCR TS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-218514-1	20 Control	Water	04/21/25 12:40	04/22/25 18:12
410-218514-2	20 20 SB	Water	04/21/25 13:00	04/22/25 18:12
410-218514-3	20 0.05 MnOOH	Water	04/21/25 13:20	04/22/25 18:12
410-218514-4	20 0.1 MnOOH	Water	04/21/25 08:20	04/22/25 18:12
410-218514-5	20 1.0 MnOOH	Water	04/21/25 08:40	04/22/25 18:12
410-218514-6	20 0.05 Mn2O3	Water	04/21/25 09:00	04/22/25 18:12
410-218514-7	20 0.1 Mn2O3	Water	04/21/25 09:20	04/22/25 18:12
410-218514-8	20 1.0 Mn2O3	Water	04/21/25 09:40	04/22/25 18:12
410-218514-9	20 0.05 Mn(OH)2	Water	04/21/25 10:00	04/22/25 18:12
410-218514-10	20 0.1 Mn(OH)2	Water	04/21/25 10:20	04/22/25 18:12
410-218514-11	20 1.0 Mn(OH)2	Water	04/21/25 10:40	04/22/25 18:12
410-218514-12	20 0.05 KMnO4	Water	04/21/25 11:00	04/22/25 18:12
410-218514-13	20 0.1 KMnO4	Water	04/21/25 11:20	04/22/25 18:12
410-218514-14	20 1.0 KMnO4	Water	04/21/25 11:40	04/22/25 18:12

ınmental Analysis Request/Chain of Custody

eurofins | Lancaster Labor Environmental

410-218514 Chain of Custody

Group # _____ Sample # _____

Client: Terra Systems, Inc.			
Project Name/#: WSP Plant Scherer CCR TS	Site ID #: Juliette GA		
Project Manager: Michael D. Lee	P.O. #: 251022-4-22-25		
Sampler: Greg Maccarone	PWSID #:		
Phone #: 302-798-9553	Quote #: 41023643		
State where samples were collected: ___ GA	For Compliance: Yes ☐ No ☑		

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil ☑	Sediment ☐	Tissue ☐	Water	Potable ☐	Ground ☑	NPDES ☐	Surface ☐	Other:	Total # of Containers	Analyses Requested: Dis As, Be, Cd, Co, Cr, Li, Mn, Mo, Se (N)	Total As, Be, Cd, Co, Cr, Fe, K, Li, Mg, Mn, Mo, Na, Se (N)	DOC (f) (N)	SO4 (-)	(-)	Remarks
20 Control	4/21/2025	12:40		X				X						4	X	X		X	X	ff- field filtered
20 20 SB	4/21/2025	13:00		X				X						4	X	X		X	X	
20 0.05 MnOOH	4/21/2025	13:20		X				X						4	X	X		X	X	
20 0.1 MnOOH	4/21/2025	8:20		X				X						4	X	X		X	X	
20 1.0 MnOOH	4/21/2025	8:40		X				X						4	X	X		X	X	
20 0.05 Mn2O3	4/21/2025	9:00		X				X						4	X	X		X	X	
20 0.1 Mn2O3	4/21/2025	9:20		X				X						4	X	X		X	X	
20 1.0 Mn2O3	4/21/2025	9:40		X				X						4	X	X		X	X	
20 0.05 Mn(OH)2	4/21/2025	10:00		X				X						4	X	X		X	X	
20 0.1 Mn(OH)2	4/21/2025	10:20		X				X						4	X	X		X	X	
20 1.0 Mn(OH)2	4/21/2025	10:40		X				X						4	X	X		X	X	
20 0.05 KMnO4	4/21/2025	11:00		X				X						4	X	X		X	X	
20 0.1 KMnO4	4/21/2025	11:20		X				X						4	X	X		X	X	
20 1.0 KMnO4	4/21/2025	11:40		X				X						4	X	X		X	X	

Preservation Codes: H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

For Lab Use Only: SF #: _____ SCR #: _____

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed: 5/6/25

Rush results requested by (please check): E-Mail ☐ Phone ☐

E-mail Address: mlee@terrasystems.net

Phone: 302-798-9553

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☐ No ☐ If yes, format: _____

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Michael D Lee	4/22/25	13:40		4/22/25	13:40
2		4/22/25	19:12		Date	Time
3		Date	Time		Date	Time
4		Date	Time		Date	Time
5		Date	Time		Date	Time

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other _____

Temperature upon receipt R 0.8 C 0.8 °C

Login Sample Receipt Checklist

Client: Terra Systems Inc

Job Number: 410-218514-1

Login Number: 218514

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	False	Insufficient volume received for requested analysis.
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.



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APPENDIX F

Piezometer (PZ-70 and PZ-71) Installation Report

August 20, 2025 Project No. US-WSP-31406440.018

Mr. Joju Abraham, PG
Southern Company Services, Inc.
241 Ralph McGill Blvd NE
Atlanta, Georgia 30308

PIEZOMETER (PZ-70 AND PZ-71) INSTALLATION REPORT
GEORGIA POWER COMPANY – PLANT SCHERER ASH POND 1 (AP-1), MONROE COUNTY, GEORGIA

Dear Mr. Abraham,

WSP USA, Inc. (WSP) is submitting this *Piezometer (PZ-70 and PZ-71) Installation Report* to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power), which documents the construction of two piezometers at Ash Pond 1 (AP-1) at Plant Scherer in Monroe County, Georgia (Site). Well drilling and construction activities were performed in general accordance the most current version of the Region 4 U.S. Environmental Protection Agency (US EPA) Science and Ecosystem Support Division (SESD) *Operating Procedure SESDGUID-101-R2* (US EPA 2018) as a general guide for best practices and the *Georgia Water Wells Standards Act of 1985*. The installation of the piezometer conducted under the oversight and direction of a Georgia-registered Professional Geologist (PG).

The field activities for this investigation were performed June 3 through 26, 2025. Piezometer (PZ-70 and PZ-71) installation took place June 3 through 5, 2025. Piezometer development took place on June 10, 2025. Thompson Engineering, Inc. (Thompson) conducted a survey of the completed piezometers on June 26, 2025. Details of the piezometer installation activities are presented below. Figure 1, Site Plan and Piezometer Location Map, presents the location of the newly installed piezometers.

Piezometer Drilling and Construction Activities

Piezometers PZ-70 and PZ-71 were drilled and installed by Cascade Drilling, LP, under contract to SCS, at the facility in June 2025. Cascade had a current and valid bond with the Water Wells Standards Advisory Council for the state of Georgia at the time of drilling (Attachment A). The driller's name is provided on the boring/construction diagrams presented in Attachment B.

A professional geologist registered to practice in Georgia (Ms. Rhonda Quinn) oversaw the field geologist conducting the drilling and piezometer construction. Drilling methods employed for borehole advancement were rotosonic drilling techniques. The drilling equipment consisted of a TSI 150CC track-mounted Sonic drilling rig, equipped with 4-inch outer diameter sonic rods with an outer-casing sleeve. During the drilling, continuous core samples were logged in the field for lithologic and geotechnical properties.

Prior to use, downhole equipment was steam cleaned. The boring (lithologic) logs and piezometer construction records for the newly installed piezometers are included in Attachment B. The construction data are summarized in Table 1, and the locations of the piezometer are provided on Figure 1.

Each piezometer was constructed within the borehole using factory-cleaned and sealed Schedule 40 polyvinyl chloride (PVC) products with flush-threaded fittings. Specifically, each piezometer was constructed with a 10-foot section of 4-inch outer diameter (OD) and 2-inch inner diameter (ID), flush-threaded, 0.010-inch factory-slotted PVC, U-Pack screen. The drillers filled the annulus of the U-Pack screen section with GP-1 filter sand. The screen was placed at the bottom of the borehole, with the remainder of the piezometer constructed from 10-foot sections of 2-inch ID, flush-threaded, PVC casing riser. A flush-threaded PVC end cap was placed on the bottom of the piezometer to provide a sump/sediment trap, and the top of the piezometer to extend to approximately 3 feet above grade. Construction details for the piezometer are shown on the boring/construction logs in Attachment B. The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated.

Following placement of the screen and casing, the annular space in the boreholes adjacent to the screen were filled with US Standard Sieve size No. 1 filter pack sand as appropriate for the formation. The filter pack sand was placed into the boreholes and extended a minimum of 2 feet above the depth of the top of the screen. Immediately following placement of the filter pack, the piezometers were pumped using a portable submersible pump until visibly clear water was discharged. A filter pack seal, composed of approximately 3 feet of 3/8” coated bentonite pellets, was then placed on top of the filter pack by slowly pouring the material down the borehole and tamping it into place. The bentonite was hydrated using water from the borehole and allowed to cure for approximately two hours prior to grouting the piezometer.

Following hydration of the bentonite, the remaining annular space was grouted with an AquaGuard® bentonite grout mixture to approximately 3 feet below ground surface using a tremie method. Based on information provided by the product manufacturer, AquaGuard® is a bentonite grout consisting of bentonite and additives that allow for a mixture of 30% solids by weight to facilitate grouting via tremie pipe, with additives that slow the bentonite curing so that proper placement can be achieved. The piezometer surface completion consists of a locking, anodized aluminum post-type protective casing and a 4-foot by 4-foot by 4-inch concrete pad with an engraved tag showing the piezometer name. The annular space of the protective casing was filled with pea gravel to approximately 2 inches from top of PVC. A weep hole was drilled into the lower side of the protective casing.

Piezometer Development Activities

The newly installed piezometers were developed on June 10, 2025, in general accordance with the *Groundwater Monitoring Plan* (September 2024), and the *US EPA Science and Ecosystem Support Division Design and Installation of Monitoring Wells* (January 2018). The piezometers were surged using a Reclaimer pump system. During development, water quality measurements of pH, temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen (DO), and turbidity were measured and recorded using field-calibrated water quality equipment. Development activities were conducted utilizing an In-Situ AquaTroll® multimeter and a Hach 2100Q turbidimeter for monitoring water quality measurements. Equipment calibration forms and development forms for the June 10 development are included in Attachment C with development details summarized in Table 2. As presented on Table 2, during development approximately 30-gallons water were removed from each piezometer, PZ-70 and PZ-71. During development, a turbidity value below 10 nephelometric turbidity units

(NTUs) was achieved for PZ-70. While a turbidity value below 10 NTU was not achieved during the June 10 development of PZ-71, the entire water column for PZ-71 was evacuated three times during development and was allowed approximately 30 minutes after each evacuation for recharge. Additional purging for groundwater sampling was conducted on July 29, 2025 and a turbidity of 3.84 NTU was achieved. The July 29, 2025 purge forms are included in Attachment C. Water level measurements were collected using a decontaminated electronic water level indicator, referenced to a permanent marking at the top of the casing and recorded to within 0.01 foot.

Piezometer Survey

The newly installed piezometers were surveyed on June 26, 2025, by Thompson Engineering. The survey was completed using a Trimble R12 RTK GPS and Trimble Dini digital level with closures meeting First Order, Class I level classification. The top of the PVC casing, top of survey nail, and ground surface adjacent to the well pad were surveyed to 0.5 foot horizontal and 0.01-foot vertical tolerances. A point was marked on top of the PVC to use for reference during future measurements.

Surveyed coordinates and elevations are presented on the boring/construction diagrams and on Table 1. The certified surveyor's report is provided in Attachment D.

Closing

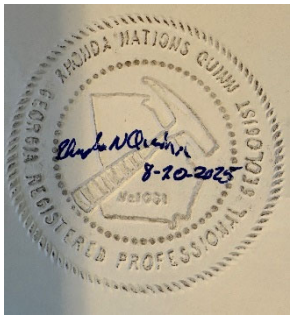
We appreciate the opportunity to assist SCS and Georgia Power with this project. Should you have any questions or require additional information, please contact the undersigned at (770) 496-1893.

Sincerely,

WSP USA Inc.

Dawn L. Prell
Technical Principal, Hydrogeologist

I certify that I am a qualified ground-water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction. We certify that the information included is to the best of our knowledge and belief, true, accurate and complete. In preparing this report, we have relied on information provided by Southern Company Services and Georgia Power.



Rhonda N. Quinn, P.G.
Senior Geologist
Georgia Registered Professional Geologist No. 1031

bs/dlp/km

CC: File
Mr. Ben Hodges, Georgia Power Company

Attachments:
Figure 1: Site Plan and Piezometer Location Map
Table 1: Summary of Piezometer Construction Details
Table 2: Summary of Piezometer Development
Attachment A: Cascade Drilling Bond
Attachment B: Record of Borehole / Piezometer Construction Diagrams
Attachment C: Development and Calibration Records
Attachment D: Certified Well Survey

Figures and Tables



LEGEND

- SCHERER ASH POND-CCR MONITORING WELL
- PAC ASH LANDFILL MONITORING WELL
- PIEZOMETER
- ASSESSMENT MONITORING WELL
- TEMPORARY WELL LOCATION
- STREAM
- EXISTING TOPOGRAPHY

NOTE(S)
1. ALL LOCATIONS AND BOUNDARIES ARE APPROXIMATE.
2. PIEZOMETERS PZ-70 AND PZ-71 WERE INSTALLED IN JUNE 2025.

REFERENCE(S)
1. COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST FIPS 1002 FEET.
2. MONITORING WELL/PIEZOMETER LOCATIONS SURVEYED BY JORDAN ENGINEERING, INC.
3. SITE IMAGERY: IMAGERY PROVIDED BY CLIENT 03/2025.
4. BACKGROUND IMAGERY: GOOGLE IMAGERY SERVICE. COPYRIGHT GOOGLE 2023. IMAGERY CAPTURED 12/17/2022.

0 150 300 600
Feet

CLIENT
GEORGIA POWER COMPANY
PLANT SCHERER
MONROE COUNTY, GEORGIA

Georgia Power

PROJECT
PIEZOMETER (PZ-70 AND PZ-71) INSTALLATION REPORT

TITLE
SITE PLAN AND PIEZOMETER LOCATION MAP

CONSULTANT
wsp

YYYY-MM-DD	2025-08-05
DESIGNED	AR
PREPARED	AR
REVIEWED	RNQ
APPROVED	RNQ

PROJECT NO.
31406440.018

FIGURE
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
1 in
0

TABLE 1
SUMMARY OF PIEZOMETER CONSTRUCTION DETAILS
Georgia Power Company - Plant Scherer Ash Pond 1
Monroe County, GA

Borehole ID	Latitude	Longitude	NAD 83 Northing	NAD 83 Easting	Top of PVC Casing Elevation (feet NAVD88)	Ground Surface Elevation (feet NAVD88)	Ground Surface Elevation at Concrete Pad (feet NAVD88)[1]	Total Depth (feet bgs)	Depth to Bedrock (feet bgs)	Screened Interval (feet bgs)	Top of Screen Elevation (feet NAVD88)	Bottom of Screen Elevation (feet NAVD88)	Lithology Screened	Casing Material	Casing Diameter (inch)	Date Installed
PZ-70	33.08129700	-83.80838100	1120974.87	2406323.71	476.298	472.41	473.36	69.06	53.3	59.06 - 69.06	413.35	403.35	Bedrock	Schedule 40 PVC	2	6/5/2025
PZ-71	33.08120800	-83.80815000	1120942.87	2406394.55	479.801	475.56	476.06	35.20	N/A	25.20 - 35.20	450.36	440.36	Saprolite	Schedule 40 PVC	2	6/5/2025

Notes:
1. Ground surface at concrete pad measured at the survey nail in the concrete pad.
2. Survey performed by Thompson Engineering on June 26, 2025.
3. Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
4. Total well depth accounts for sump if data provided on well construction logs.

NAD 83 - North American Datum 1983
NAVD88 - North American Vertical Datum 1988
bgs - Below ground surface
bTOC - Below Top of Casing
N/A - not applicable
ID - Identification
PVC - polyvinyl choride

TABLE 2
SUMMARY OF PIEZOMETER DEVELOPMENT
Georgia Power Company - Plant Scherer Ash Pond 1
Monroe County, GA

Piezometer ID	Date Started	Time Started (hr:min)	Date Completed	Elapsed Time (hr:min)	Development Method	Measured Total Depth of Well (feet bTOC)	Initial Water level (feet bTOC)	Final Water Level (feet bTOC)	Volume of Casing (gal)	Total Volume Removed (gal)	pH (SU)	Specific Conductance (uS/cm)	Temperature (°C)	Turbidity (NTU)	ORP (mV)	DO (mg/L)
PZ-70	6/10/2025	9:05	6/10/2025	1:00	Reclaimer Pump	72.06	9.75	28.20	10.2	30	6.43	394.40	17.06	3.3	-192.6	1.19
PZ-71	6/10/2025	9:45	6/10/2025	2:23	Reclaimer Pump	38.12	14.65	35.72	3.8	30	6.73	559.44	18.68	276	85.6	11.51

Notes:
hr:min - hours:minutes
bTOC - feet below Top of Casing
gal - gallons
SU - Standard Units
uS/cm - microSiemens per centimeter
°C - degrees Celcius
NTU - nephelometric turbidity units
mV - millivolts
mg/L - milligrams per liter
ORP - oxygen reduction potential
DO - dissolved oxygen
ID - Identification

ATTACHMENT A

Cascade Drilling Bond

CONTINUATION CERTIFICATE

Atlantic Specialty Insurance Company , Surety upon

a certain Bond No. 800033976

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

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

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

does hereby continue said bond in force for the further period

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

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

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

Description of bond Performance Bond for Water Well Contractors

Premium:

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

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

Atlantic Specialty Insurance Company

By _____
ATTORNEY-IN-FACT Carlos A. Albelo

intact INSURANCE

Power of Attorney

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

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

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

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

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

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

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Sarah A. Kolar, General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

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

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

_____
Notary Public

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

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

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

This Power of Attorney expires
January 31, 2025

_____
Kara Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

ATTACHMENT B

Record of Borehole / Piezometer Construction Diagrams

RECORD OF BOREHOLE: PZ-70

CLIENT:	Southern Company	START DATE:	June 02, 2025	ELEVATION:	472.410 ft (Ground)
PROJECT:	Plant Scherer Well Installation	END DATE:	June 05, 2025	COORDINATES:	N: 1120974.872 ft E: 2406323.714 ft
PROJECT NO:	31406440.018			COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Juliette, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 VERT DATUM: NAVD88 (ft)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	REC %	CONSTRUCTION AND INSTALLATION DETAILS	GROUNDWATER OBSERVATIONS
1–25	Terra Sonic	Rotosonic	(CL) silty CLAY; reddish orange; residuum; moist; stiff (overburden)	CL		0.0	0' - 10'	Rotosonic	19	**WELL COMPLETION** Pad Dimensions: 4' x 4' x 4" Total Bollards: 4 Protective Casing Length: 5' Protective Casing Fill: Pea Gravel **WELL CASING** Interval: 0' - 59.06' Material: Schedule 40 PVC Diameter: 2" Joint Type: Flush-threaded **WELL SCREEN WITH END CAP** Interval: 59.06' - 69.06' Type: PVC U-Pack® Screen Material: Schedule 40 PVC Screen-Packed Material: #1 Silica Sand Diameter: 3" OD x 2" ID Slot Width: 0.010" Joint Type: Flush-threaded **SURFACE SEAL** Interval: 0' - 3' Type: 4,000 psi Concrete **FINISHING SEAL** Interval: 3' - 6' Type: Pel-Plug® Non-coated Bentonite Pellets Pellet Size: 3/8" Hydration Period: 2-hr minimum **ANNULAR FILL** Interval: 6' - 52.3' Type: AquaGuard® Bentonite Cement Grout **ANNULAR SEAL** Interval: 52.3' - 55.8' Type: Halliburton HOLEPLUG® Coarse Grade Wyoming Sodium Bentonite Chips Chip Size: 3/8" Hydration Period: 2-hr minimum **FILTER PACK** Interval: 55.8' - 69.06' Type: Southern Products & Silica Co. #1 Silica Sand	05Jun25 12:36 ▽ 8.46'
			9.00 ft: Residuum; saturated			463.4 9.0					
			(SM) silty SAND; mottled reddish yellow; intact foliation; saprolite; moist; stiff	SM		459.4 13.0	10' - 20'	Rotosonic	84		
							20' - 30'	Rotosonic	100		

WELL DIAGRAM

TOC Elev: 476.298 ft
Nail Elev: 473.363 ft
GS Elev: 472.410 ft

ALUMINUM PROTECTIVE CASING AND CONCRETE WELL PAD

Pea Gravel

Surface Seal: Concrete

Finishing Seal: Pel-Plug® Non-coated Bentonite Pellets

SCHEDULE 40 PVC RISER

Annular Fill: AquaGuard® Bentonite Cement Grout

Continued on Next Page

REV: 1

LOGGED BY: A. Sanders, PG

CHECKED BY: K. Minkara, PG

DATE: July 15, 2025

RECORD OF BOREHOLE: PZ-70

CLIENT:	Southern Company	START DATE:	June 02, 2025	ELEVATION:	472.410 ft (Ground)
PROJECT:	Plant Scherer Well Installation	END DATE:	June 05, 2025	COORDINATES:	N: 1120974.872 ft E: 2406323.714 ft
PROJECT NO:	31406440.018			COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Juliette, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 VERT DATUM: NAVD88 (ft)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %	CONSTRUCTION AND INSTALLATION DETAILS	GROUNDWATER OBSERVATIONS	WELL DIAGRAM
26	Terra Sonic	Rotosonic	(SM) silty SAND; mottled reddish yellow; intact foliation; saprolite; moist; stiff	SM		446.2						TOC Elev: 476.298 ft Nail Elev: 473.363 ft GS Elev: 472.410 ft
27			26.17 ft: Mottled grayish olive saprolite; oriented mineral foliation planes, residual quartz-biotite-mica; orange staining (possible oxidation) in bedding planes from 27-ft to 29-ft; wet to moist; loose			26.2						
28												
29												
30						442.4						
31			(CL) silty CLAY; moist; cohesive	CL		30.0						
32			(SM) silty SAND; moist; loose	SM		441.4 31.0						**SCHEDULE 40 PVC RISER**
33												
34												
35			35.00 ft: Grayish olive saprolite; residual quartz-biotite, foliated mica; loose to very loose			437.4 35.0	30' - 40'	Rotosonic	100			*Annular Fill: AquaGuard® Bentonite Cement Grout*
36												
37												
38												
39												
40												
41												
42												
43												
44												
45							40' - 50'	Rotosonic	100			
46												
47												
48												
49												
50						422.4 50.0						

Continued on Next Page

GS - Ground Surface
ID - Inside Diameter
OD - Outside Diameter
psi - pounds per square inch
PVC - Polyvinyl Chloride
TOC - Top of Casing

REV: 1

LOGGED BY: A. Sanders, PG
CHECKED BY: K. Minkara, PG
DATE: July 15, 2025

Golder Log Imperial / Soil-Simple 3 w Samp Desc and Well / Golder - 3 Imperial US / ASTM D2487 Auto (most common ASTM) / 2025-07-10

RECORD OF BOREHOLE: PZ-70

CLIENT:	Southern Company	START DATE:	June 02, 2025	ELEVATION:	472.410 ft (Ground)
PROJECT:	Plant Scherer Well Installation	END DATE:	June 05, 2025	COORDINATES:	N: 1120974.872 ft E: 2406323.714 ft
PROJECT NO:	31406440.018			COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Juliette, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 VERT DATUM: NAVD88 (ft)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %	CONSTRUCTION AND INSTALLATION DETAILS	GROUNDWATER OBSERVATIONS
51–53	Terra Sonic	Rotosonic	50.00 ft: Grayish olive saprolite; residual quartz-biotite, foliated mica; loose to very loose; increasing presence of rock fragments with depth	SM		419.1 / 53.3					
54–69			BIOTITE GNEISS (bedrock); foliated dark and light compositional banding between feldspar and biotite				50' - 60'	Rotosonic	100		
							60' - 69.06'	Rotosonic	100		
69			Boring completed at 69.06 ft.			403.4					
70–75											

WELL DIAGRAM

TOC Elev: 476.298 ft
Nail Elev: 473.363 ft
GS Elev: 472.410 ft

- *Annular Fill: AquaGuard® Bentonite Cement Grout*
- *Annular Seal: HOLEPLUG® Bentonite Chips*
- **SCHEDULE 40 PVC RISER**
- *Filter Pack: #1 Silica Sand*
- **#1 SILICA SAND-FILLED U-PACK® SCHEDULE 40 PVC 0.010" SLOTTED SCREEN**
- **END CAP**

GS - Ground Surface
ID - Inside Diameter
OD - Outside Diameter
psi - pounds per square inch
PVC - Polyvinyl Chloride
TOC - Top of Casing

REV: 1

LOGGED BY: A. Sanders, PG
CHECKED BY: K. Minkara, PG
DATE: July 15, 2025

Golder Log Imperial / Soil-Simple 3 w Samp Desc and Well / Golder - 3 Imperial US / ASTM D2487 Auto (most common ASTM) / 2025-07-10

RECORD OF BOREHOLE: PZ-71

CLIENT:	Southern Company	START DATE:	June 04, 2025	ELEVATION:	475.560 ft (Ground)
PROJECT:	Plant Scherer Well Installation	END DATE:	June 05, 2025	COORDINATES:	N: 1120942.871 ft E: 2406394.553 ft
PROJECT NO:	31406440.018			COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Juliette, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 VERT DATUM: NAVD88 (ft)

DRILL RIG: Terra Sonic
DRILL METHOD: Rotosonic

DEPTH (ft)	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %
0	(CL) silty CLAY, reddish orange; residuum; moist; stiff (overburden)	CL		0.0	0' - 10'	Rotosonic	53
8				467.6			
8	(ML) SILT; orange-tan; residuum; moist; loose	ML		8.0			
10	10.00 ft: Mottling begins at 10-ft with black nodules; saturated			465.6 10.0	10' - 20'	Rotosonic	62
18				457.6			
18	(CL) CLAY; orange; moist; cohesive; soft	CL		18.0			
19				456.6			
19	(SM) silty SAND; weathered brown saprolite; foliated; moist; loose	SM		19.0			
20				455.6			
20	(ML) clayey SILT; brown; residuum; no foliation; moist; soft	ML		20.0			
24				451.6			
24	(SM) silty SAND; weathered brown saprolite; foliated; moist; loose	SM		24.0	20' - 30'	Rotosonic	100
25							

Continued on Next Page

CONSTRUCTION AND INSTALLATION DETAILS

WELL COMPLETION
Pad Dimensions: 4' x 4' x 4"
Total Bollards: 2
Protective Casing Length: 5'
Protective Casing Fill: Pea Gravel

WELL CASING
Interval: 0' - 25.2'
Material: Schedule 40 PVC
Diameter: 2"
Joint Type: Flush-threaded

WELL SCREEN WITH END CAP
Interval: 25.2' - 35.2'
Type: PVC U-Pack®
Screen Material: Schedule 40 PVC
Screen-Packed Material: #1 Silica Sand
Diameter: 3" OD x 2" ID
Slot Width: 0.010"
Joint Type: Flush-threaded

SURFACE SEAL
Interval: 0' - 3'
Type: 4,000 psi Concrete

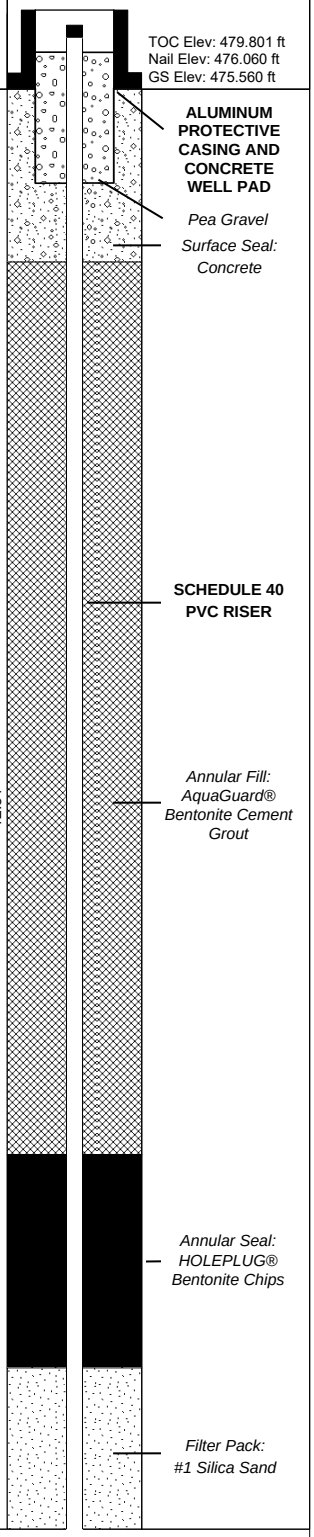
ANNULAR FILL
Interval: 3' - 18.5'
Type: AquaGuard® Bentonite Cement Grout

ANNULAR SEAL
Interval: 18.5' - 22.2'
Type: Halliburton HOLEPLUG® Coarse Grade Wyoming Sodium Bentonite Chips
Chip Size: 3/8"
Hydration Period: 2-hr minimum

FILTER PACK
Interval: 22.2' - 35.2'
Type: Southern Products & Silica Co. #1 Silica Sand

GROUNDWATER OBSERVATIONS: 05Jun25 12:41 ▽ 12:51'

WELL DIAGRAM



GS - Ground Surface
ID - Inside Diameter
OD - Outside Diameter
psi - pounds per square inch
PVC - Polyvinyl Chloride
TOC - Top of Casing

REV: 1

LOGGED BY: A. Sanders, PG
CHECKED BY: K. Minkara, PG
DATE: July 15, 2025

RECORD OF BOREHOLE: PZ-71

CLIENT:	Southern Company	START DATE:	June 04, 2025	ELEVATION:	475.560 ft (Ground)
PROJECT:	Plant Scherer Well Installation	END DATE:	June 05, 2025	COORDINATES:	N: 1120942.871 ft E: 2406394.553 ft
PROJECT NO:	31406440.018			COORD SYS:	SP GA West FIPS 1002 ft
LOCATION:	Juliette, GA	CONTRACTOR:	Cascade Environmental, LLC	HORZ DATUM:	NAD83 VERT DATUM: NAVD88 (ft)

DEPTH (ft)	DRILL RIG	DRILL METHOD	MATERIAL PROFILE: DESCRIPTION	USCS	STRATA PLOT	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: REC %	CONSTRUCTION AND INSTALLATION DETAILS	GROUNDWATER OBSERVATIONS	WELL DIAGRAM
26	Terra Sonic	Rotosonic	(SM) silty SAND; brown weathered saprolite; foliated; moist; loose	SM		445.6						SCHEDULE 40 PVC RISER
27												
28												*Filter Pack: #1 Silica Sand*
29												
30			(ML) SILT; gray; residuum; moist; soft	ML		30.0	30' - 34.79'	Rotosonic	123			#1 SILICA SAND-FILLED U-PACK® SCHEDULE 40 PVC 0.010" SLOTTED SCREEN
31						443.6						
32			(SM) silty SAND; gray; weathered saprolite; rock fragments; moist; loose	SM		32.0						
33												
34												
35						440.4						END CAP
36			Boring completed at 35.2 ft.									
37												
38												
39												
40												
41												
42												
43												
44												
45												
46												
47												
48												
49												
50												

WELL DIAGRAM: TOC Elev: 479.801 ft; Nail Elev: 476.060 ft; GS Elev: 475.560 ft

GS - Ground Surface
ID - Inside Diameter
OD - Outside Diameter
psi - pounds per square inch
PVC - Polyvinyl Chloride
TOC - Top of Casing

REV: 1

LOGGED BY: A. Sanders, PG
CHECKED BY: K. Minkara, PG
DATE: July 15, 2025

ATTACHMENT C

Development and Calibration Records

Well Development Field Record

PROJECT NAME: SCS Scherer

STARTED DEVEL.: 6/10/25 (DATE) / 0905 (TIME)

COMPLETED DEVEL.: 6/10/25 (DATE) / 1005 (TIME)

W.L. BEFORE DEVEL.: 11.20 (WL) / 6/10/25 (DATE) / 0830 (TIME)

W.L. AFTER DEVEL.: 19.51 (WL) / 6/10/25 (DATE) / 1005 (TIME)

WELL ID: SCH-PZ-70 WELL DIA.: 2 in Screen Length: 10 ft

DEVELOPED BY: Doug Bloomfield

WELL DEPTH: BEFORE DEVEL: 72.06 ft

WELL DEPTH: AFTER DEVEL.: 72.06 ft

STANDING WATER COLUMN: 60.86 ft

STANDING WELL VOLUME: 9.92 gal

DATE/TIME	VOLUME REMOVED (gal)	PUMPING RATE (gpm)	DTW (ft)	FIELD PARAMETERS pH (s.u.)	Sp. Cond. (mS/cm)	TEMP. (°C)	Turbidity (NTU)	Color	RDO (mg/L)	ORP (mV)	TOP OF PUMP (ft bgs)	REMARKS
0905	0	0.5	9.75	7.51	Over	21.02	147	brn	7.49	78.2	~72	cloudy
0915	5	0.5	24.25	6.515	388.6	17.34	17.6	clr	1.556	-186.4	"	bubbly d.schange
0925	10	|	23.75	6.474	398.5	17.42	10.2	clr	1.409	-236.0	"	N/A
0935	15	|	25.73	6.461	398.7	17.17	2.49	clr	1.283	-243.0	"	"
0945	20	|	26.59	6.455	399.1	17.09	4.79	"	1.233	-273.9	"	"
0955	25	|	27.59	6.408	398.7	17.07	4.70	"	1.166	-223.9	"	"
1005	30	|	28.20	6.426	394.4	17.06	3.30	"	1.189	-192.6	"	"

Low-Flow Test Report:

Test Date / Time: 6/10/2025 9:05:30 AM
Project: Plant Scherer
Operator Name: DCB

Location Name: SCH-PZ-70 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 62.06 ft** **Total Depth: 72.06 ft** **Initial Depth to Water: 9.75 ft**	**Pump Type: Reclaimer** **Tubing Type: HDPE** **Pump Intake From TOC: 70 ft** **Estimated Total Volume Pumped: 30 gal** **Flow Cell Volume: 90 ml** **Final Flow Rate: 0.5 gal/min** **Final Draw Down: 18.45 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1177603**

Test Notes:

Weather Conditions:
Cloudy 75

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	+/- 5	+/- 10	+/- 5	
6/10/2025 9:05 AM	00:00	7.509 pH	21.02 °C	0.000 µS/cm	7.495 mg/L	147.0 NTU	78.2 mV	9.750 ft	0.500 gal/min
6/10/2025 9:15 AM	10:00	6.515 pH	17.34 °C	388.6 µS/cm	1.556 mg/L	17.60 NTU	-186.4 mV	24.25 ft	0.500 gal/min
6/10/2025 9:25 AM	20:00	6.474 pH	17.42 °C	398.5 µS/cm	1.409 mg/L	10.20 NTU	-236.0 mV	24.75 ft	0.500 gal/min
6/10/2025 9:35 AM	30:00	6.461 pH	17.17 °C	398.7 µS/cm	1.283 mg/L	2.490 NTU	-243.0 mV	25.73 ft	0.500 gal/min
6/10/2025 9:45 AM	40:00	6.455 pH	17.09 °C	392.1 µS/cm	1.233 mg/L	4.790 NTU	-273.9 mV	26.59 ft	0.500 gal/min
6/10/2025 9:55 AM	50:00	6.408 pH	17.07 °C	393.7 µS/cm	1.166 mg/L	4.700 NTU	-223.9 mV	27.59 ft	0.500 gal/min
6/10/2025 10:05 AM	01:00:00	6.426 pH	17.06 °C	394.4 µS/cm	1.189 mg/L	3.300 NTU	-192.6 mV	28.20 ft	0.500 gal/min

Samples

Sample ID:	Description:

Well Development Field Record

PROJECT NAME: SCH-PZ-71

STARTED DEVEL: 06/10/25 (DATE) 0945 (TIME)

COMPLETED DEVEL: 06/10/25 (DATE) 1208 (TIME)

W.L. BEFORE DEVEL: 14.65 (WL) 06/10/25 (DATE) 0940 (TIME)

W.L. AFTER DEVEL: 06/10/25 (WL DATE) (TIME)

WELL ID: PZ-71 WELL DIA. 2 in Screen Length 10 ft

DEVELOPED BY: EEA

WELL DEPTH BEFORE DEVEL: 38.12 ft

WELL DEPTH AFTER DEVEL: 38.12 ft

STANDING WATER COLUMN: 14.65 ft

STANDING WELL VOLUME: 3.826 gal

DATE/TIME	VOLUME REMOVED (gal)	PUMPING RATE (gpm)	DTW (ft)	FIELD PARAMETERS pH (s.u.)	Sp. Cond (mS/cm)	TEMP (°C)	Turbidity (NTU)	Color	RDO (mg/L)	ORP (mV)	TOP OF PUMP (ft bgs)	REMARKS
06/10/25		.5gl/m										
0947	~~start~~ 0	~~.5gl/m~~	14.65	6.15	354.94	22.43	285	Slight brown	7.66	184.6	35.12	
0957	~~start~~ 5	.5gl/m	35	5.97	398.03	18.23	480	orange	6.30	-33.9	35.12	Significant drop in WL
1007	~~start~~ 10	.5gl/m	35	6.82	424.71	18.18	999	orange	12.01	103.9	35.12	purged dry; wait ~~30~~ min
				PURGED	DRY;	Wait	80	min				
1041	10	.5gl/m	24.32	6.88	474.98	21.39	129	clear	8.82	-1.2	~~35.15~~ EA 35.15	Pump lowered slightly
1051	15	.5gl/m	35.12	6.51	557.34	18.36	906	orange	10.77	100.2	35.15	Dry
				Purged	DRY;	Wait	30	min				
1138	15	.5gl/m	24.62	5.76	539.64	19.98	101	clear	8.76	-92.3	35.15	
1148	20	.5gl/m	33.14	6.26	341.86	18.23	620	orange	11.85	138.9	35.8	Pump lowered
1158	25	.5gl/m	35.6	6.67	453.27	18.90	280	clear	11.41	90.6	35.8	↓
1208	30	.5gl/m	35.72	6.73	559.44	18.68	276	clear	11.31	85.6	35.8	
				PURGED		DRY						

= TOTAL VOLUME REMOVED (gal.)

DEVELOPMENT METHOD: Reclaimer Pump

NOTES:

Calibration Report

Instrument	Aqua TROLL 400
Serial Number	1177603
Created	6/10/2025

Sensor	**RDO**
Serial Number	1178045
Last Calibrated	6/10/2025

Calibration Details

Slope	0.9832851
Offset	-0.000 mg/L

Calibration point 100%

Concentration	8.111 mg/L
Temperature	23.50 °C
Barometric Pressure	1,001 mbar

Sensor	**Conductivity**
Serial Number	1177603
Last Calibrated	6/10/2025

Calibration Details

Offset	0.000 µS/cm
Cell Constant	0.999
Reference Temperature	25.00 °C
TDS Conversion Factor (ppm)	0.65

Sensor	**Level**
Serial Number	1177546
Last Calibrated	Factory Defaults

Sensor	**pH/ORP**
Serial Number	21480
Last Calibrated	6/10/2025

Calibration Details

Total Calibration Points	3

Calibration Point 1

pH of Buffer	4.000 pH
pH mV	180.9 mV
Temperature	23.31 °C

Calibration Point 2

pH of Buffer	7.000 pH
pH mV	10.6 mV

Temperature	23.49 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-158.1 mV
Temperature	23.53 °C

Slope and Offset 1

Slope	-56.74 mV/pH
Offset	10.6 mV

Slope and Offset 2

Slope	-56.26 mV/pH
Offset	10.6 mV

ORP

ORP Solution	Zobell's
Offset	6.7 mV
Temperature	23.48 °C

Low-Flow Test Report:

Test Date / Time: 7/29/2025 12:49:50 PM
Project: SCH-PZ-70
Operator Name: EEA

Location Name: PZ-70 **Latitude: 33.066256286961405** **Longitude: -83.8070378759597** **Well Diameter: 2 in** **Casing Type: Pvc** **Screen Length: 10 ft** **Top of Screen: 62.06 ft** **Total Depth: 72.06 ft** **Initial Depth to Water: 13.8 ft**	**Pump Type: Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 65 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:

Weather Conditions:
Sunny 90

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	Record Only °C	+/- 5 %	+/- 10 %	≤ 5 NTU	Record Only	+/- 0.3	100-500 mL/ min (low-flow)
7/29/2025 12:49 PM	00:00	6.414 pH	33.12 °C	338.5 µS/cm	2.614 mg/L	12.40 NTU	-57.8 mV	14.10 ft	200.0 ml/min
7/29/2025 12:54 PM	05:00	6.363 pH	23.15 °C	365.1 µS/cm	1.299 mg/L	3.950 NTU	-35.2 mV	14.51 ft	200.0 ml/min
7/29/2025 12:59 PM	10:00	6.374 pH	22.52 °C	367.5 µS/cm	0.895 mg/L	3.670 NTU	-37.8 mV	14.71 ft	200.0 ml/min
7/29/2025 1:04 PM	15:00	6.380 pH	22.38 °C	365.9 µS/cm	0.630 mg/L	1.720 NTU	-69.3 mV	14.90 ft	200.0 ml/min
7/29/2025 1:09 PM	20:00	6.382 pH	22.12 °C	365.9 µS/cm	0.486 mg/L	1.790 NTU	-72.6 mV	14.95 ft	200.0 ml/min
7/29/2025 1:14 PM	25:00	6.402 pH	22.10 °C	373.3 µS/cm	0.392 mg/L	2.160 NTU	-60.8 mV	14.95 ft	200.0 ml/min
7/29/2025 1:19 PM	30:00	6.419 pH	22.22 °C	374.5 µS/cm	0.328 mg/L	1.900 NTU	-42.9 mV	14.95 ft	200.0 ml/min
7/29/2025 1:24 PM	35:00	6.423 pH	22.10 °C	374.2 µS/cm	0.271 mg/L	1.950 NTU	-30.9 mV	14.95 ft	200.0 ml/min
7/29/2025 1:29 PM	40:00	6.427 pH	22.13 °C	371.4 µS/cm	0.224 mg/L	1.760 NTU	-22.4 mV	14.95 ft	200.0 ml/min

Samples

Sample ID:	Description:

SCH-PZ-70	Sampled at 1330 with FD-4

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 2:36:03PM
Project: SCH-PZ-71
Operator Name: EEA

Location Name: PZ-71 **Latitude: 33.066256286961405** **Longitude: -83.8070378759597** **Well Diameter: 2 in** **Casing Type: Pvc** **Screen Length: 10 ft** **Top of Screen: 28.12 ft** **Total Depth: 38.12 ft** **Initial Depth to Water: 17.22 ft**	**Pump Type: Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 12000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 7.3 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1080306**

Test Notes:

Weather Conditions:
Sunny 100

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	Record Only °C	+/- 5 %	+/- 10 %	≤ 5 NTU	Record Only	+/- 0.3	100-500 mL/ min (low-flow)
7/29/2025 2:36 PM	00:00	5.954 pH	26.42 °C	540.6 µS/cm	2.889 mg/L	58.10 NTU	15.6 mV	17.65 ft	200.0 ml/min
7/29/2025 2:41 PM	05:00	5.965 pH	20.66 °C	551.3 µS/cm	2.724 mg/L	63.60 NTU	27.0 mV	18.95 ft	200.0 ml/min
7/29/2025 2:46 PM	10:00	5.921 pH	20.17 °C	536.4 µS/cm	2.629 mg/L	82.90 NTU	37.2 mV	20.80 ft	200.0 ml/min
7/29/2025 2:51 PM	15:00	5.861 pH	20.20 °C	517.2 µS/cm	2.512 mg/L	93.70 NTU	42.7 mV	22.60 ft	200.0 ml/min
7/29/2025 2:56 PM	20:00	5.782 pH	20.28 °C	496.7 µS/cm	2.254 mg/L	37.30 NTU	48.7 mV	23.10 ft	200.0 ml/min
7/29/2025 3:01 PM	25:00	5.719 pH	20.25 °C	488.1 µS/cm	2.086 mg/L	18.90 NTU	51.9 mV	23.60 ft	200.0 ml/min
7/29/2025 3:06 PM	30:00	5.714 pH	20.49 °C	491.0 µS/cm	1.836 mg/L	9.700 NTU	52.7 mV	24.15 ft	200.0 ml/min
7/29/2025 3:11 PM	35:00	5.707 pH	20.61 °C	491.7 µS/cm	1.553 mg/L	7.080 NTU	52.8 mV	24.52 ft	200.0 ml/min
7/29/2025 3:16 PM	40:00	5.730 pH	21.05 °C	496.4 µS/cm	1.430 mg/L	5.340 NTU	52.0 mV	24.52 ft	200.0 ml/min
7/29/2025 3:21 PM	45:00	5.704 pH	21.49 °C	493.8 µS/cm	1.271 mg/L	5.040 NTU	54.4 mV	24.52 ft	200.0 ml/min
7/29/2025 3:26 PM	50:00	5.681 pH	21.36 °C	486.7 µS/cm	1.121 mg/L	4.770 NTU	55.1 mV	24.52 ft	200.0 ml/min
7/29/2025 3:31 PM	55:00	5.669 pH	21.02 °C	492.0 µS/cm	1.032 mg/L	4.800 NTU	56.3 mV	24.52 ft	200.0 ml/min
7/29/2025 3:36 PM	01:00:00	5.654 pH	20.71 °C	492.3 µS/cm	0.970 mg/L	3.840 NTU	56.7 mV	24.52 ft	200.0 ml/min

Samples

Sample ID:	Description:
SCH-PZ-71	Sampled at 1536

Created using VuSitu from In-Situ, Inc.

Site Name: Plant Scherer

Field Instrumentation Calibration Form

Date: 7/29/25

Calibrated By: EEA

Field Conditions: Sunny 85°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll	680306
Turbidity Meter	HACH	1S040C046490

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	240194218	1/26	AIR
pH (SU)	4.00	" "		
pH (SU)	7.00	240194266		
pH (SU)	10.00	240194537		
D.O. (%)	N/A			
ORP (mV)	228.0	224901662		

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4312	22.65	± 10% of standard	EPA 2023
pH (SU)	4.00	4.014	22.68	± 0.1	GWMP
pH (SU)	7.00	6.97	22.64	± 0.1	GWMP
pH (SU)	10.00	10.06	22.63	± 0.1	GWMP
D.O. (%)	N/A	98.419	22.57	± 10%	NA
ORP (mV)	228.0	237	22.68	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	9.46	± 10% of standard	EPA 2023
	20	19.8		
	100	98.5		
	800	804		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4380	26.2	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	26.2	± 0.1	GWMP
pH (SU)	7.00	7.07	26.3	± 0.1	GWMP
pH (SU)	10.00	10.01	25.9	± 0.1	GWMP

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	10	10.4	± 10% of standard	EPA 2023
	20	19.9		
	300	99.1		
	800	798		

Notes:

ATTACHMENT D

Certified Well Survey

Georgia Power Plant Scherer Juliette, Georgia									
Monitoring Well Survey									
Well ID	Casing	Casing	Casing	Casing	Top of Casing	Control Nail	Control Nail	Control Nail	Ground
	Latitude	Longitude	Northing	Easting	Elevation	Northing	Easting	Elevation	Elevation
PZ-70	N33°04'52.67"	W83°48'30.17"	1120974.872	2406323.714	476.298	1120974.112	2406322.638	473.363	472.410
PZ-71	N33°04'52.35"	W83°48'29.34"	1120942.871	2406394.553	479.801	1120942.153	2406393.869	476.060	475.560

Benchmark		Northing	Easting	Elevation
SGWC-14 Control Nail		1120965.540	2406329.110	473.520
SGWC-15 Control Nail		1120191.240	2407092.940	479.760

Coordinates and elevation are based upon existing control set by others. Control Nail for existing well SGWC-14 was used and control nail for existing well SGWC-15 was used as a checkpoint. A Trimble R12 RTK GPS and Trimble Dini level were used to collect horizontal position and elevation data. Elevations for each point were established by running closed level loops with Trimble Dini level.



6/26/2025

Johnny E. Holley — date

Georgia Registration Number LS003550

Thompson Engineering Certificate of Authorization LSF-1151





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